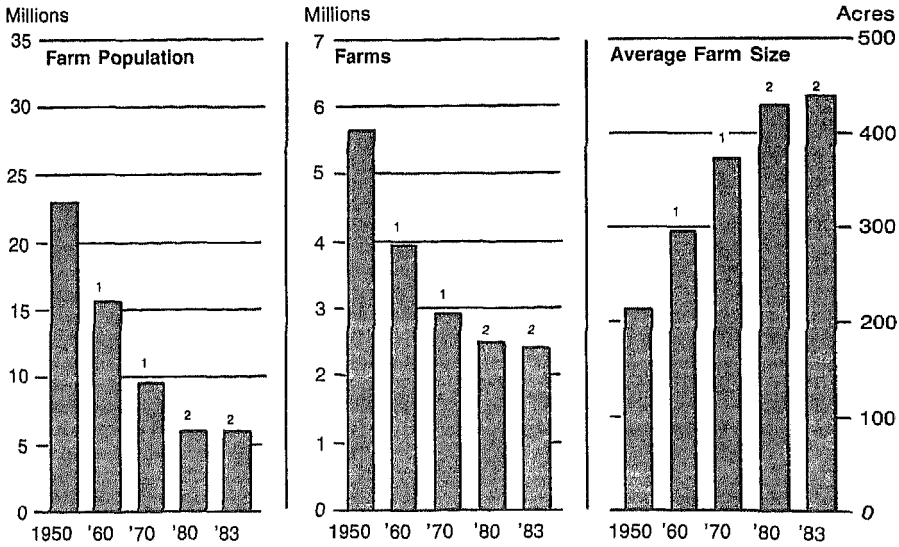
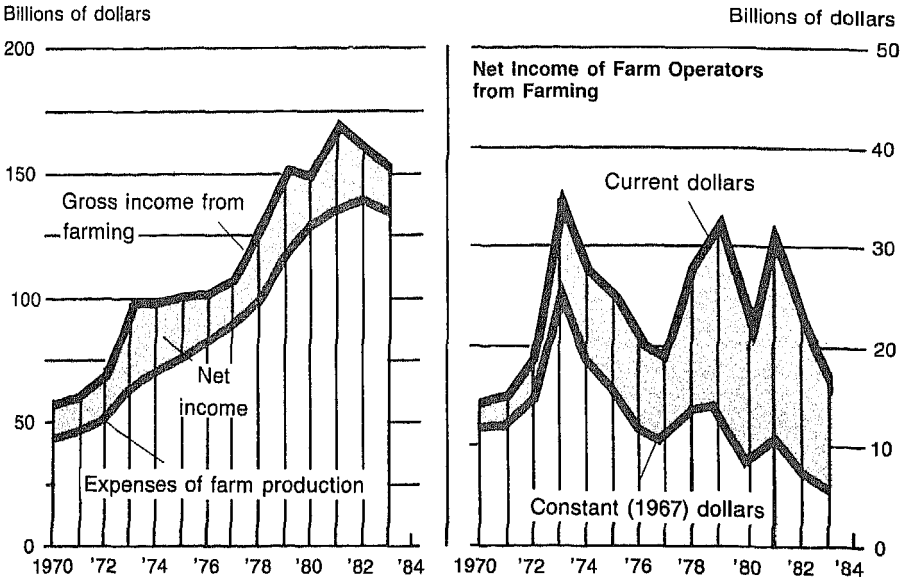
Figure 24.1
Changes in Farming: 1950 to 1983



[1] 1969 definition, [2] 1974 definition.

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1105 and 1109.

Figure 24.2
Farm Income and Expenses: 1970 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1133.

1985

Section 24

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketings; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources of these data are the reports issued by the U.S. Bureau of the Census and by the Statistical Reporting Service (SRS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and roughly every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with the economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics,* a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector.* This series comprises five reports: *Income and Balance Sheet Statistics, State Income and Balance Sheet Statistics, Production and Efficiency Statistics, Costs of Production,* and *Farm Sector Review.* Situation reports issued periodically by the ERS present current data on a variety of crops. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States,* published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country,* and *U.S. Exports, Schedule B, Commodity by Country.*

Agricultural statistics have been issued by the Department of Agriculture for over 100 years. The 44 field offices of the SRS collect data on crops, livestock products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Crop Reporting Board of SRS which reviews the estimates and issues reports containing State and national data. Among these reports are two annual summaries, *Crop Production* and *Crop Values.*

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data shown from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the Census of Agriculture for 1974, 1978, and 1982, a farm was defined as any place from which $1,000 or more of agricultural products were sold, or would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. Volume I census reports for 1978 and 1982 provide an explanation of the definition. The effect of the change in definition must be considered when comparing coverage estimates for all farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1969 census, as well as the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least $250, and places of 10 or more acres if such sales amounted to at least $50. In the 1950 and 1954 censuses, places of 3 or more acres were counted as farms if the annual value of agricultural products, exclusive of homegarden products, amounted to $150 or more; places of less than 3 acres were counted as farms only if the annual sales amounted to $150 or more. For definitions used in earlier censuses, see *U.S. Census of Agriculture: 1978, Vol. 5, Part 4, Procedural History.*

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Currently included as farms are such diverse enterprises as nurseries, greenhouses, sod farms, mushroom operations, cranberry bogs, feedlots, fish farms, and hatcheries; excluded are business enterprises exclusively engaged in forest production and in production of fish, oysters, fowl, etc., from the ocean, game preserves, parks, and the like, when not grown in captivity. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm.

Farmland refers to all land under the control of a farm operator and considered as part of his farm, including land not actually under cultivation or not used for pasture or grazing. Rent-free land was included as part of the farm only if the operator had sole use of it. Land used for pasture or grazing on a per head basis that was neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

State totals for 1982 are not directly comparable with totals for 1978 or earlier censuses because of changes in the procedures of collecting data. For details, see 1982 census reports. Coverage estimates for 1982 indicate about 9.1 percent of all farms were not included in census totals. Coverage evaluation studies for the 1978 census indicated that 3.4 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent of the land in farms. For more explanation about data comparability, see Appendixes A and C, *1982 Census of Agriculture, volume I reports and Coverage Evaluation, Volume 2, Part 2.*

Farm population.—Farm population consists of all persons living on farms in rural areas. Data prior to 1960 are based on self-identification by respondents as to whether they live on a farm, and are not based on any criterion for the definition of a farm. Except as noted, farm population data shown for 1960 to 1977 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the bases of both the 1969 and 1974 census farm definitions and are so indicated.

Irrigation.—Irrigated land is defined by the Bureau of the Census as the acreage in farms to which water is artificially applied during the census year. In addition to collecting information on irrigation from individual farms in the census of agriculture, the Bureau of the Census collects data on the operation of irrigation water supply organizations at 10-year intervals. In 1978, irrigation information was collected from both individual farms and irrigation organizations.

Farm income.—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the SRS Crop Reporting Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities direct from producers. In some cases, the price information is obtained directly from the producers. Season average prices received by farmers are calculated by weighting monthly prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins.

Crops.—Estimates of crop acreage and production by the SRS are based on current sample survey data obtained from individual reporters and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Price supports.—Under law, farm income from many commodities is supported through two basic Government-supported mechanisms available to producers of eligible commodities: (1) *a market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period (currently nine months), forfeit the commodity as full payment of the loan; (2) *a farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods. The U.S. Census of Agriculture numbers of livestock are the result of field enumeration of farm and ranch operators up until 1969. The 1969 and later censuses were taken by mail and include adjustments for nonresponse. The 1978 census includes the results of an area sample to account for farms and ranches not on the mailing list.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

No. 1105. Farm Population, 1930 to 1983, and Farm Employment, by Type, 1930 to 1984

[In thousands, except percent. For definition of farm population, see text, p 630. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-176]

Year	Farm population [1] Total	Farm population [1] Percent of total population [2]	Year	Farm population [1] Total	Farm population [1] Percent of total population [2]	Year	Farm employment [3] Total	Farm employment [3] Family members [4]	Farm employment [3] Hired workers [5]
1930	30,529	24.9	1969 DEFINITION—Con.			1930	12,497	9,307	3,190
1935	32,161	25.3				1935	12,733	9,855	2,878
1940	30,547	23.2	1970	9,712	4.8	1940	10,979	8,300	2,679
1945	24,420	17.5	1971	9,425	4.6	1945	10,000	7,881	2,119
1950	23,048	15.3	1972	9,610	4.6	1950	9,926	7,597	2,329
			1973	9,472	4.5				
1955	19,078	11.6	1974	9,264	4.4	1955	8,381	6,345	2,036
1956	18,712	11.2	1975	8,864	4.2	1960	7,057	5,172	1,885
1957	17,656	10.4				1965	5,610	4,128	1,482
1958	17,128	9.9	1976	8,253	3.8	1970	4,523	3,348	1,175
1959	16,592	9.4	1977	7,806	3.6				
			1978	8,005	3.7	1971	4,436	3,275	1,161
1969 DEFINITION			1979	7,553	3.4	1972	4,373	3,228	1,146
			1980	7,241	3.3	1973	4,337	3,169	1,168
1960	15,635	8.7	1981	6,942	3.1	1974	4,389	3,075	1,314
1961	14,803	8.1	1982	6,870	3.0				
1962	14,313	7.7	1983	7,029	3.0	1975	4,342	3,025	1,317
1963	13,367	7.1				1976	4,374	2,997	1,377
1964	12,954	6.8	1974 DEFINITION			1977	4,170	2,863	1,307
						1978	3,957	2,689	1,268
1965	12,363	6.4	1978	6,501	3.0				
1966	11,595	5.9	1979	6,241	2.8	1979	3,774	2,501	1,273
1967	10,875	5.5	1980	6,051	2.7	1980	3,705	2,402	1,303
1968	10,454	5.3	1981	5,790	2.6	1981	3,330	2,236	1,094
1969	10,307	5.1	1982	5,620	2.4	1982	4,043	2,494	1,549
			1983	5,787	2.5	1983	3,749	2,271	1,478
						1984	3,750	2,315	1,435

[1] As of April 1 except, beginning 1960, April-centered annual averages. Prior to 1959, excludes Alaska, and 1960, Hawaii. [2] Includes Armed Forces abroad. [3] Prior to 1974, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1974-1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982-1984, based on July survey. [4] Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. [5] Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population Estimates, 1910-70; Farm Population Estimates*, annual and *Farm Labor*, quarterly through April 1981 and annual beginning July 1982. Population data also published by U.S. Bureau of the Census in *Current Population Reports*, series P-27, No. 57, and earlier reports.

No. 1106. Farm Population, by Characteristics: 1960 to 1983

[1960, as of April; beginning 1970, April-centered annual averages. For definition of farm population, see text, p. 630]

Characteristic	Farm population (1,000) 1969 definition 1960	1970	1980	1974 definition 1980	1983 Total	1983 Male	1983 Female	Percent distribution 1969 definition 1960	1970	1974 definition 1980	1983
Total	**15,669**	**9,712**	**7,241**	**6,051**	**5,787**	**3,030**	**2,757**	**100.0**	**100.0**	**100.0**	**100.0**
White	13,092	8,775	6,828	5,714	5,563	2,917	2,645	83.6	90.4	94.4	96.1
Black and other races	2,577	938	413	337	225	113	112	16.4	9.7	5.6	3.9
Under 14 years of age	4,995	2,490	1,391	1,146	1,128	605	523	31.9	25.6	18.9	19.5
14 years of age and over	10,674	7,222	5,851	4,905	4,659	2,425	2,235	68.1	74.4	81.1	80.5
14-19 years	1,868	1,316	926	790	644	359	285	11.9	13.6	13.1	11.1
20-24 years	763	502	502	444	436	242	194	4.9	5.2	7.3	7.5
25-34 years	1,461	770	735	606	634	338	296	9.3	7.9	10.0	11.0
35-44 years	1,803	1,061	862	712	714	360	354	11.5	10.9	11.8	12.3
45-64 years	3,453	2,452	1,892	1,607	1,459	735	724	22.0	25.2	26.6	25.2
65 years and over	1,326	1,122	934	746	773	391	382	8.5	11.6	12.3	13.4
In labor force [1]	6,266	4,293	3,682	3,139	2,969	1,931	1,038	58.7	59.4	64.0	63.7
Employed, agriculture	4,025	2,333	1,722	1,642	1,571	1,253	318	37.7	32.3	33.5	33.7
Percent of total	64.2	54.3	46.8	52.3	52.9	64.9	30.6	(x)	(x)	(x)	(x)
Self-employed	2,405	1,411	1,083	1,034	991	861	130	22.5	19.5	21.1	21.3
Wage and salary workers	782	395	344	326	373	312	61	7.3	5.5	6.6	8.0
Unpaid family workers	838	526	295	282	207	80	127	7.9	7.3	5.7	4.4
Employed, nonagriculture	2,064	1,878	1,853	1,415	1,291	616	675	19.3	26.0	28.8	27.7
Self-employed	(NA)	159	210	161	143	85	58	(NA)	2.2	3.3	3.1
Wage and salary workers	(NA)	1,698	1,624	1,239	1,140	530	610	(NA)	23.5	25.3	24.5
Unpaid family workers	(NA)	21	19	16	8	1	7	(NA)	.3	.3	.2
Unemployed	177	82	106	82	108	62	46	1.7	1.1	1.7	2.3
Not in labor force [1]	4,408	2,929	2,169	1,766	1,690	493	1,196	41.3	40.6	36.0	36.3

NA Not available. X Not applicable. [1] 14 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 57 and earlier reports, and unpublished data.

No. 1107. Characteristics of Farm and Nonfarm Families: 1970 to 1983

[As of **March**. 1970 based on 1969 census farm definition, 1980 and 1983 based on 1974 definition; see text, p. 630. Based on Current Population Survey, see text, pp.1 and 2 and Appendix III. 1970, 1980 and 1983 data are based on population controls from 1960, 1970 and 1980 censuses respectively; see text, p. 2]

Characteristic	1970			1980			1983		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000)	51,237	2,457	48,781	58,426	1,666	56,760	61,393	1,617	59,777
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.26	3.30	3.26
With own children under 18 (1,000)	28,665	1,169	27,496	30,517	745	29,772	30,818	692	30,126
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.87	2.05	1.86
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	78.9	73.8	79.0
3 or 4 children	28.5	29.3	28.5	20.4	24.8	20.3	19.1	22.4	19.0
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	2.0	3.6	2.0
Percent distribution:									
Married couple	86.7	90.5	86.5	82.5	92.3	82.2	81.3	91.8	81.0
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.3	3.1	3.3
Female householder, no husband present	10.9	5.3	11.2	14.6	4.4	14.9	15.4	5.0	15.7
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	39.7	42.0	39.7
3-to-5 person families	52.7	46.4	53.1	53.7	47.1	53.9	54.1	50.2	54.2
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	6.2	7.9	6.2

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218, and series P-27, Nos. 54 and 57.

No. 1108. Money Income of Farm and Nonfarm Families, by Race: 1975 to 1982

[*Number of families as of* **March 1983**. *1975 data are based on population controls from 1970 census; 1980 and 1982 data are based on population controls from 1980 census. 1975 based on 1969 census farm definition, later data based on 1974 census farm definition.* See headnote, table 742. For definition of median, see Guide to Tabular Presentation]

Race	Median family income (constant 1982 dollars)			Number of families, 1983 (1,000)	Percent families with 1982 income of—				
	1975	*1980*	*1982*		Under $10,000	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000 or more
All families	24,594	24,627	23,433	61,393	16.6	12.5	12.1	12.3	46.4
Farm	19,450	18,455	18,756	1,617	24.9	14.0	14.1	13.5	33.5
Nonfarm	24,801	24,776	23,585	59,777	16.4	12.4	12.1	12.3	46.8
White	25,586	25,658	24,603	53,407	13.9	12.1	12.3	12.6	49.1
Farm	20,155	18,832	19,042	1,568	24.3	13.8	14.3	13.6	33.9
Nonfarm	25,809	25,841	24,799	51,839	13.6	12.0	12.2	12.6	49.5
Black	15,743	14,847	13,599	6,530	37.9	15.7	11.2	10.7	24.5
Farm	8,864	(B)	(B)	40	(B)	(B)	(B)	(B)	(B)
Nonfarm	15,910	14,877	13,648	6,490	37.8	15.6	11.3	10.7	24.6

B *Base less than 75,000.*

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 57.

No. 1109. Farms—Number and Acreage: 1950 to 1984

[Estimated. Prior to 1959, excludes Alaska and Hawaii. *For definition of farms and farmland, see text, pp. 629 and 630.* 1950 and 1954, farms and farmlands as defined in census year shown; beginning 1959, based on census year definition indicated. Data for *census years (indicated by italics)* have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (–) *indicates decrease. See also Historical Statistics, Colonial Times to 1970*, series K 4-7]

Year	Farms		Land in farms	
	Number (1,000)	Annual change [1] (1,000)	Total (mil. acres)	Average per farm (acres)
1950	5,648	–64	1,202	213
1954	4,798	–213	1,206	251
1969 DEFINITION				
1959	4,105	–139	1,183	288
1960	3,963	–142	1,176	297
1964	3,457	–127	1,146	332
1965	3,356	–101	1,140	340
1969	3,000	–89	1,108	369
1970	2,949	–51	1,102	374
1971	2,902	–47	1,097	378
1972	2,860	–42	1,092	382
1973	2,823	–37	1,088	385
1974	2,795	–28	1,084	388
1975	2,767	–28	1,081	391
1969 DEFINITION—Con.				
1976	2,738	–29	1,078	394
1977	2,706	–32	1,075	397
1978	2,672	–34	1,072	401
1974 DEFINITION				
1975	2,521	(X)	1,059	420
1976	2,497	–24	1,054	422
1977	2,456	–41	1,048	427
1978	2,436	–20	1,045	429
1979	2,432	–4	1,042	428
1980	2,433	–1	1,039	427
1981	2,434	1	1,034	425
1982	*2,401*	*–33*	*1,028*	*428*
1983	2,370	–31	1,024	432
1984, prel.	2,333	–37	1,020	437

X *Not applicable.* [1] Average annual change from preceding year shown. For 1950, change from 1945.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Number of Farms, 1910–1959; Land in Farms 1950–1969, by States* (Statistical Bulletin No. 316); *Number of Farms and Land in Farms, 1959–70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969–75* (Statistical Bulletin No. 594); *Farm Numbers, 1975–80; and Crop Production* (August 1984 release).

No. 1110. Farm Population, by State: 1960 to 1980

[As of **April 1** except **1960** and **1970, April-centered** annual averages, **1960** and **1970,** based on **1969** census farm definition; **1980** based on **1974** census farm definition. See text, p. 648. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970,* series K 17–81]

REGION, DIVISION, AND STATE	1960 (1,000)	1970 (1,000)	1980 Total (1,000)	1980 Percent of total population
U.S.	**15,635**	**9,712**	**5,618**	**2.48**
Regions:				
Northeast	1,119	699	357	.73
Midwest	5,836	4,305	2,878	4.89
South	7,160	3,754	1,777	2.36
West	1,520	954	605	1.40
New England	**232**	**128**	**57**	**.46**
Maine	61	30	14	1.24
New Hampshire	22	11	7	.72
Vermont	*56*	*32*	*18*	*3.53*
Massachusetts	50	28	10	.17
Rhode Island	6	4	1	.12
Connecticut	36	23	7	.24
Mid. Atlantic	**887**	**571**	**300**	**.82**
New York	387	239	123	.70
New Jersey	71	47	19	.26
Pennsylvania	*428*	*284*	*158*	*1.33*
East No. Central	**2,821**	**2,053**	**1,322**	**3.17**
Ohio	581	415	272	2.51
Indiana	539	416	276	5.03
Illinois	621	473	314	2.75
Michigan	466	305	178	1.92
Wisconsin	594	445	283	6.01
West No. Central	**3,015**	**2,252**	**1,556**	**9.06**
Minnesota	624	482	315	7.74
Iowa	703	544	391	13.42
Missouri	695	395	282	5.74
North Dakota	207	154	104	15.92
South Dakota	217	172	113	16.34
Nebraska	329	253	178	11.35
Kansas	*340*	*252*	*173*	*7.91*

DIVISION AND STATE	1960 (1,000)	1970 (1,000)	1980 Total (1,000)	1980 Percent of total population
South Atlantic	**2,838**	**1,357**	**619**	**1.67**
Delaware	27	15	10	1.72
Maryland	132	79	45	1.07
Virginia	467	238	113	2.12
West Virginia	155	78	29	1.47
North Carolina	950	463	186	3.20
South Carolina	433	144	54	1.72
Georgia	515	228	121	2.22
Florida	157	113	59	.60
East So. Central	**2,494**	**1,329**	**593**	**4.04**
Kentucky	618	452	245	6.68
Tennessee	677	384	176	3.83
Alabama	519	216	68	2.25
Mississippi	680	277	85	3.36
West So. Central	**1,828**	**1,069**	**565**	**2.38**
Arkansas	415	228	108	4.71
Louisiana	313	160	59	1.40
Oklahoma	294	209	130	4.29
Texas	806	471	269	1.89
Mountain	**678**	**446**	**264**	**2.32**
Montana	115	90	58	7.42
Idaho	148	102	69	7.32
Wyoming	47	33	19	4.13
Colorado	143	94	59	2.05
New Mexico	72	45	20	1.54
Arizona	*74*	*34*	*14*	*.51*
Utah	65	38	18	1.26
Nevada	13	9	6	.69
Pacific	**842**	**508**	**342**	**1.07**
Washington	199	133	82	1.98
Oregon	165	119	78	2.96
California	463	249	176	.75
Alaska	3	2	1	.20
Hawaii	12	6	5	.47

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population Estimates, 1910–70* (Statistical Bulletin No. 523), and U.S. Bureau of the Census, *1980 Census of Population,* vol. I, chapter C (PC80–1–C).

No. 1111. Farms—Number and Acreage, by State: 1980 and 1984

[1984 data preliminary. Based on 1974 census definition of farms and farmland; see text, p. 629. See also *Historical Statistics, Colonial Times to 1970,* series K 4–7]

STATE	FARMS (1,000) 1980	FARMS (1,000) 1984	ACREAGE (mil.) 1980	ACREAGE (mil.) 1984	ACREAGE PER FARM 1980	ACREAGE PER FARM 1984
U.S	**2,433**	**2,333**	**1,039**	**1,020**	**427**	**437**
Alabama	59	54	12	12	207	213
Alaska	(z)	1	2	2	3,378	2,400
Arizona	6	8	38	38	5,080	4,518
Arkansas	59	55	17	16	280	293
California	*81*	*78*	*34*	*33*	*417*	*423*
Colorado	27	27	36	35	1,358	1,281
Connecticut	4	4	(z)	1	117	116
Delaware	4	4	1	1	186	183
Florida	39	40	13	13	344	325
Georgia	59	51	15	14	254	265
Hawaii	4	5	2	2	458	433
Idaho	*24*	*25*	*15*	*15*	*623*	*598*
Illinois	107	96	29	29	269	299
Indiana	87	82	17	16	193	200
Iowa	119	113	34	34	284	297
Kansas	75	74	48	48	644	649
Kentucky	102	101	15	15	143	144
Louisiana	37	36	10	10	273	281
Maine	*8*	*8*	*2*	*2*	*195*	*195*
Maryland	18	18	3	3	157	152
Massachusetts	6	6	1	1	116	111
Michigan	65	63	11	11	175	181
Minnesota	104	101	30	30	291	301
Mississippi	55	50	15	14	265	284

STATE	FARMS (1,000) 1980	FARMS (1,000) 1984	ACREAGE (mil.) 1980	ACREAGE (mil.) 1984	ACREAGE PER FARM 1980	ACREAGE PER FARM 1984
Missouri	120	117	31	31	261	265
Montana	24	24	62	61	2,601	2,546
Nebraska	65	60	48	47	734	787
Nevada	3	3	9	9	3,100	3,296
New Hampshire	3	4	1	1	160	157
New Jersey	9	9	1	1	109	103
New Mexico	14	14	47	46	3,467	3,271
New York	47	48	9	9	200	196
North Carolina	93	79	12	11	126	139
North Dakota	40	36	42	41	1,043	1,139
Ohio	95	90	16	16	171	176
Oklahoma	72	74	35	33	481	446
Oregon	35	37	18	18	517	486
Pennsylvania	*62*	*58*	*9*	*9*	*145*	*150*
Rhode Island	1	1	(z)	(z)	87	97
South Carolina	34	28	6	6	188	200
South Dakota	39	37	45	45	1,169	1,203
Tennessee	96	95	14	13	142	141
Texas	189	187	136	137	731	732
Utah	14	14	12	12	919	843
Vermont	*8*	*7*	*2*	*2*	*226*	*233*
Virginia	56	57	10	10	169	170
Washington	38	38	16	16	429	424
West Virginia	22	22	4	4	191	173
Wisconsin	93	86	19	18	200	209
Wyoming	9	9	35	35	3,846	3,824

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production* (August 1984 release).

No. 1112. Farms—Number, 1959 to 1982, and Acreage, 1978 and 1982, by Size of Farm

[See *Historical Statistics, Colonial Times to 1970*, series K 162-173]

Size of farm	Number of farms (1,000)					Land in farms (mil. acres)		Cropland harvested (mil. acres)		Percent distribution, 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Number of farms	All land in farms	Cropland harvested
Total	**3,711**	**2,730**	**2,314**	**2,258**	**2,241**	**1,014.8**	**986.8**	**317.1**	**326.3**	**100.0**	**100.0**	**100.0**
Under 10 acres	244	162	128	151	188	.6	.7	.2	.3	8.4	.1	.1
10-49 acres	*613*	*473*	*380*	*392*	*449*	*10.9*	*12.1*	*4.5*	*4.5*	*20.0*	*1.2*	*1.4*
50-99 acres	658	460	385	356	344	25.9	24.8	10.2	9.5	15.4	2.5	2.9
100-179 acres	773	542	443	403	368	55.0	49.9	23.3	21.2	16.4	5.1	6.5
180-259 acres	414	307	253	234	211	50.6	45.7	23.7	21.7	9.4	4.6	6.7
260-499 acres	472	419	363	348	315	124.6	113.0	64.5	60.5	14.1	11.5	18.5
500-999 acres	200	216	207	213	204	146.7	140.5	75.2	77.6	9.1	14.2	23.8
1,000-1,999 acres	79	91	93	98	97	133.0	132.4	58.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	60	62	63	65	467.4	467.5	57.3	66.6	2.9	47.4	20.4

No. 1113. Farms—Number and Acreage, by Tenure of Operator: 1959 to 1982

[*Full owners* own all the land they operate. *Part owners* own a part, and rent from others the rest of the land they operate. See also *Historical Statistics, Colonial Times to 1970*, series K 109-113 and 142-146]

Item and year	Unit	Total	Full owner	Part owner	Tenant	Percent distribution: Total	Full owner	Part owner	Tenant
Number of farms:									
1959	1,000	[1] 3,711	2,119	811	760	[1] 100.0	57.1	21.9	20.5
1969	1,000	2,730	1,706	672	353	100.0	62.5	24.6	12.9
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978	1,000	2,258	1,298	681	279	100.0	57.5	30.1	12.4
1982 [2]	1,000	2,241	1,326	656	259	100.0	59.2	29.3	11.5
Under 50 acres	1,000	637	505	68	63	100.0	79.3	10.7	9.9
50-179 acres	1,000	711	489	144	79	100.0	68.7	20.2	11.1
180-499 acres	1,000	526	232	221	73	100.0	44.1	42.0	13.8
500-999 acres	1,000	204	57	120	27	100.0	27.9	58.8	13.2
1,000 acres or more	1,000	161	41	103	17	100.0	25.4	64.0	10.6
Land in farms:									
1959	Mil. acres	[1] 1,124	349	498	167	[1] 100.0	31.0	44.3	14.9
1969	Mil. acres	1,063	375	550	138	100.0	35.2	51.8	13.0
1974	Mil. acres	1,017	359	535	122	100.0	35.4	52.6	12.0
1978	Mil. acres	1,015	332	561	122	100.0	32.7	55.3	12.0
1982	Mil. acres	987	342	531	114	100.0	34.7	53.8	11.6

[1] Includes managers, not shown separately. In subsequent censuses, managers were included under other tenure categories.
[2] Data by size of farm exclude abnormal farms; see footnote 2, table 1119.

No. 1114. Farm Operators—Tenure and Characteristics: 1978 and 1982

[**In thousands, except as indicated.** See also *Historical Statistics, Colonial Times to 1970*, series K 82-113]

Tenure and characteristic	All farms 1978	All farms 1982	Farms with sales of $10,000 and over 1978	Farms with sales of $10,000 and over 1982
Total operators	**2,258**	**2,241**	**1,180**	**1,143**
White	2,200	2,187	1,163	1,127
Black and other	58	54	17	16
Operators of Spanish origin [1]	18	16	(NA)	6
Female	113	122	(NA)	37
Under 25 years old	67	62	(NA)	39
25-34 years old	285	294	(NA)	173
35-44 years old	434	443	(NA)	223
45-54 years old	549	505	(NA)	264
55-64 years old	552	536	(NA)	288
65 years old and over	371	400	(NA)	156
Average age (years)	50.3	50.5	(NA)	49.1
Full owner	1,298	1,326	485	482
Part owner	681	656	514	491
Tenant	279	259	180	170

Characteristic	All farms 1978	All farms 1982	Farms with sales of $10,000 and over 1978	Farms with sales of $10,000 and over 1982
Principal occupation:				
Farming	1,269	1,235	934	901
Other	988	1,006	246	242
Place of residence: [2]				
On farm operated	1,586	1,581	876	833
Not on farm operated	422	429	197	202
Years on present farm: [2]				
2 years or less	(NA)	127	(NA)	53
3-4 years	(NA)	193	(NA)	83
5-9 years	(NA)	360	(NA)	167
10 years or more	(NA)	1,097	(NA)	638
Days worked off farm: [2]				
None	943	862	654	591
Less than 100 days	252	224	164	141
100-199 days	181	189	79	77
200 days or more	770	775	214	213

NA Not available. [1] Operators of Spanish origin may be of any race. [2] Excludes not reported.

Source of tables 1112-1114: U.S. Bureau of the Census, *Census of Agriculture: 1959* and *1969*, vol. II; *1974* vol. I and II; and *1982*, vol. 1.

No. 1115. Farms—Number, Acreage, and Value, by State: 1974 to 1982

[For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18]

Region, division, and state	Number of farms (1,000)			All land in farms (mil. acres)			Average acreage per farm			Total value [1] (mil. dol.)		
	1974	1978	1982	1974	1978	1982	1974	1978	1982	1974	1978	1982
U.S.	**2,314**	**2,258**	**2,241**	**1,017.0**	**1,014.8**	**986.8**	**440**	**449**	**440**	**342,099**	**631,433**	**774,158**
Region:												
Northeast	128	131	131	23.4	23.7	23.0	183	181	175	15,460	24,079	28,272
Midwest	1,017	975	932	362.9	362.5	354.2	357	372	380	150,978	304,720	339,761
South	930	897	896	305.7	305.1	293.8	329	340	328	110,362	186,098	236,638
West	239	254	280	325.1	323.4	315.7	1,360	1,274	1,129	65,299	116,536	169,487
N.E	**23**	**24**	**26**	**4.8**	**4.8**	**4.6**	**206**	**196**	**178**	**2,915**	**4,339**	**5,385**
Maine	6	7	7	1.5	1.5	1.5	237	221	210	519	800	1,053
New Hampshire	2	3	3	.5	.5	.5	210	193	170	286	426	555
Vermont	6	6	6	1.7	1.6	1.6	282	279	249	770	1,065	1,305
Massachusetts	4	5	5	.6	.6	.6	134	125	113	578	907	1,111
Rhode Island	1	1	1	.1	.1	.1	102	98	86	92	159	173
Connecticut	3	4	4	.4	.5	.4	129	130	118	671	983	1,188
M.A	**104**	**107**	**106**	**18.6**	**19.0**	**18.4**	**178**	**177**	**174**	**12,545**	**19,740**	**22,887**
New York	44	43	42	9.4	9.5	9.2	215	220	218	4,800	6,315	7,509
New Jersey	7	8	8	1.0	1.0	1.0	130	124	111	1,737	2,549	2,840
Pennsylvania	53	56	56	8.2	8.5	8.3	154	152	149	6,008	10,877	12,538
E.N.C.	**445**	**423**	**403**	**90.0**	**90.9**	**88.6**	**202**	**215**	**220**	**61,406**	**130,814**	**134,967**
Ohio	92	89	87	15.7	15.8	15.4	170	177	177	11,056	23,495	23,287
Indiana	88	82	77	16.8	16.8	16.3	191	204	211	12,078	26,658	26,128
Illinois	*111*	*105*	*98*	*29.1*	*29.4*	*28.7*	*262*	*282*	*292*	*24,628*	*54,931*	*53,061*
Michigan	64	60	59	10.8	11.0	10.9	169	183	187	5,989	10,585	13,389
Wisconsin	89	87	82	17.6	17.8	17.2	197	206	210	7,656	15,146	19,102
W.N.C	**573**	**552**	**529**	**272.9**	**271.6**	**265.6**	**477**	**492**	**502**	**89,572**	**173,906**	**204,793**
Minnesota	99	99	94	27.6	28.5	27.7	280	288	294	11,855	25,762	32,326
Iowa	126	121	115	33.0	33.3	32.6	262	274	283	23,754	51,829	54,349
Missouri	116	115	112	29.8	30.1	29.3	258	262	260	11,811	21,972	25,094
North Dakota	43	40	36	42.4	41.7	40.2	992	1,039	1,104	8,268	14,565	17,609
South Dakota	43	39	37	46.0	44.4	43.8	1,074	1,147	1,179	6,656	11,466	15,429
Nebraska	68	64	60	46.2	46.1	45.0	683	723	746	13,017	24,417	31,910
Kansas	79	74	73	47.9	47.5	47.1	605	640	642	14,211	23,895	28,076
S.A	**296**	**282**	**274**	**60.9**	**59.8**	**57.2**	**206**	**212**	**209**	**34,987**	**57,395**	**69,752**
Delaware	3	3	3	.6	.7	.7	185	197	196	612	964	1,218
Maryland	15	16	16	2.6	2.6	2.6	174	168	158	2,791	4,645	5,378
Virginia	53	50	52	9.7	9.5	9.4	184	189	182	5,396	8,572	10,622
West Virginia	17	17	19	3.5	3.5	3.6	207	202	190	1,050	2,082	2,421
North Carolina	91	82	73	11.2	11.0	10.3	123	135	142	6,634	11,560	13,669
South Carolina	29	27	25	6.2	6.0	5.6	211	226	224	2,887	4,581	5,193
Georgia	55	51	50	13.9	13.4	12.3	253	261	248	6,576	10,291	11,166
Florida	32	36	36	13.2	13.0	12.8	407	360	353	9,041	14,700	20,085
E.S.C	**306**	**284**	**283**	**53.7**	**51.6**	**49.2**	**175**	**182**	**174**	**22,006**	**39,460**	**46,466**
Kentucky	102	102	102	14.4	14.6	14.2	141	143	140	6,158	12,705	14,661
Tennessee	*94*	*87*	*91*	*13.1*	*12.7*	*12.5*	*140*	*146*	*138*	*6,117*	*10,684*	*12,592*
Alabama	57	51	48	11.9	11.1	10.2	209	220	211	4,310	7,021	8,290
Mississippi	54	44	42	14.3	13.2	12.4	267	300	293	5,421	8,849	10,923
W.S.C	**328**	**331**	**340**	**191.0**	**193.7**	**187.3**	**582**	**586**	**551**	**53,369**	**89,243**	**120,420**
Arkansas	51	52	51	14.6	15.0	14.7	287	291	291	6,135	11,445	14,460
Louisiana	33	31	32	9.1	9.3	8.9	275	296	282	4,679	9,111	12,070
Oklahoma	70	72	73	33.1	33.7	32.4	475	467	446	9,992	17,038	22,556
Texas	174	175	185	134.2	135.6	131.3	771	773	710	32,563	51,649	71,334
Mt	**112**	**117**	**122**	**253.0**	**252.6**	**246.1**	**2,262**	**2,168**	**1,857**	**32,028**	**56,761**	**76,179**
Montana	23	24	24	62.2	61.7	61.0	2,665	2,618	2,568	6,952	12,084	15,866
Idaho	24	24	25	14.3	14.7	13.9	603	606	563	4,833	8,449	11,353
Wyoming	8	8	9	34.3	33.6	33.5	4,274	4,182	3,781	2,751	4,813	6,484
Colorado	26	27	27	35.9	35.3	33.5	1,408	1,310	1,237	6,734	11,220	15,228
New Mexico	11	12	13	47.0	48.0	47.1	4,170	3,894	3,493	3,649	6,634	8,322
Arizona	6	6	7	37.9	38.5	37.8	6,539	6,114	5,148	4,197	7,550	10,972
Utah	*12*	*13*	*14*	*10.6*	*10.5*	*9.8*	*871*	*820*	*699*	*1,998*	*4,087*	*5,445*
Nevada	2	2	3	10.6	10.4	10.0	5,209	4,346	3,671	915	1,922	2,509
Pac	**127**	**137**	**158**	**72.0**	**70.8**	**69.6**	**567**	**515**	**441**	**33,271**	**59,775**	**93,307**
Washington	29	31	36	16.7	16.7	16.5	567	540	456	5,828	11,114	15,271
Oregon	27	29	34	18.2	18.1	17.7	682	633	520	4,552	8,588	12,665
California	68	73	82	33.4	32.7	32.2	493	447	390	21,793	38,152	61,532
Alaska	(z)	(z)	(z)	1.6	1.3	1.3	5,612	3,359	2,323	69	140	264
Hawaii	3	4	5	2.1	2.0	2.0	702	461	426	1,029	1,784	3,575

Z Less than 500. [1] Value of land and buildings. For 1978 and 1982, based on reports for a sample of farms.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1982*, vol. I.

No. 1116. Farms—Number, Acreage, and Value, by Type of Organization: 1978 and 1982

[Excludes abnormal farms, see footnote 2, table 1119]

Item	Unit	Total [1]	Individual or family	Partnership	Corporation	Percent distribution: Total [1]	Percent distribution: Individual or family	Percent distribution: Partnership	Percent distribution: Corporation
ALL FARMS									
Number of farms: 1978	1,000	2,255	1,966	233	50	100.0	87.2	10.3	2.2
1982	1,000	2,239	1,946	223	60	100.0	86.9	10.0	2.7
Land in farms: 1978	Mil. acres	959	673	158	120	100.0	70.2	16.5	12.5
1982	Mil. acres	932	642	152	127	100.0	68.9	16.3	13.6
Value of land and buildings: 1978	Bil. dol	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Bil. dol	763	547	119	90	100.0	71.7	15.6	11.8
Value of farm products sold: 1978	Mil. dol	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Mil. dol	131,590	77,907	21,520	31,480	100.0	59.2	16.4	23.9
FARMS WITH SALES OF $10,000 AND OVER									
Number of farms: 1978	1,000	1,180	976	155	45	100.0	82.7	13.1	3.8
1982	1,000	1,143	934	152	52	100.0	81.7	13.3	4.5
Land in farms: 1978	Mil. acres	829	557	147	118	100.0	67.2	17.7	14.2
1982	Mil. acres	811	536	141	124	100.0	66.1	17.4	15.3

NA Not available. [1] Include other types, not shown separately.

Source: U.S. Bureau of the *Census, 1982 Census of Agriculture*, vol. 1.

No. 1117. Characteristics of Individual and Family Farms: 1982

[Excludes abnormal farms; see footnote 2, table 1119]

Size of farm and value of sale	Individual and family farms: Number (1,000)	Individual and family farms: Percent distribution	Individual and family farms: Percent of all farms	Item	Unit	All farms	Individual and family farms: Amount	Individual and family farms: Percent of all farms
Farms, total	**1,946**	**100.0**	**86.9**	**Land in farms**	**Mil. acres**	**932**	**642**	**68.9**
Under 50 acres	579	29.8	91.0	Average size of farm	Acres	416	330	(x)
50-179 acres	639	32.9	89.9					
180-499 acres	450	23.1	85.6	**Value of land and bldgs.**	**Bil. dol**	**763.2**	**547.0**	**71.7**
500-999 acres	163	8.4	80.0	Average per farm	$1,000	341	281	(x)
1,000 acres or more	*114*	*5.8*	*70.5*	*Average per acre*	*Dollars*	*819*	*852*	(x)
Less than $2,500	503	25.8	93.8	**Value of farm products sold**	**Bil. dol**	**131.6**	**77.9**	**59.2**
$2,500-$4,999	256	13.2	92.0	Average per farm	$1,000	56.8	40.0	(x)
$5,000-$9,999	253	13.0	89.9	Crops [1] [2]	Bil. dol	61.9	37.7	60.8
$10,000-$19,999	227	11.7	87.8	Grains	Bil. dol	36.4	26.4	72.4
$20,000-$39,999	214	11.0	86.0	Livestock, poultry and their products [2]	Bil dol	69.4	40.2	58.0
$40,000-$99,999	281	14.4	84.4	Cattle, calves	Bil. dol	31.5	15.3	48.6
$100,000-$249,999	165	8.5	76.4	Dairy products	Bil. dol	16.3	11.2	68.7
$250,000-$499,999	35	1.8	60.1	Poultry, poultry products	Bil. dol	9.8	5.8	59.2
$500,000 and over	11	.6	39.7	*Hogs and pigs*	*Bil. dol*	*9.8*	*6.8*	*69.3*

X Not applicable. [1] Includes nursery and greenhouse products. [2] Includes other commodities, not shown separately.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1118. Characteristics of Corporate Farms, by Type: 1982

Item	Unit	All corporations	Family held corporations: Total	Family held corporations: 1-10 stockholders	Family held corporations: 11 or more stockholders	Other corporations: Total	Other corporations: 1-10 stockholders	Other corporations: 11 or more stockholders
Farms	Number	59,792	52,652	50,842	1,810	7,140	5,997	1,143
Percent distribution	Percent	100.0	88.1	85.0	3.0	11.9	10.0	1.9
Land in farms	Mil. acres	127.3	112.9	100.7	12.2	14.5	8.5	6.0
Average per farm	Acres	2,129	2,143	1,980	6,737	2,024	1,413	5,231
Value of—								
Land and buildings [1]	Bil. dol	89.9	76.1	70.1	6.0	13.8	7.7	6.1
Average per farm [1]	$1,000	1,520.0	1,455	1,389	3,221	2,028	1,363	5,185
Farm products sold	*Bil. dol*	*31.5*	*22.9*	*20.7*	*2.3*	*8.6*	*5.5*	*3.1*
Average per farm	$1,000	527	435	406	1,244	1,201	911	2,723

[1] Based on a sample of farms.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

NO. 1119. FARMS—NUMBER, ACREAGE, AND VALUE OF SALES, BY SIZE OF SALES: 1982

ECONOMIC CLASS OF FARM (value of farm products sold)	Farms (1,000)	ACREAGE		VALUE OF SALES		PERCENT DISTRIBUTION		
		Total (mil.)	Average per farm	Total (mil. dol.)	Average per farm ($1,000)	Farms	Acreage, total	Value of sales, total
Sales less than $20,000	1,355	186	137	7,260	5,356	100.0	100.0	100.0
Occupation—Farming [1]	481	92	191	3,474	7,220	35.5	49.5	47.9
Occupation—Other than farming [1]	874	94	108	3,786	4,331	64.5	50.5	52.1
Less than $2,500	536	45	83	558	1.0	39.6	24.2	7.7
$2,500-$4,999	278	31	111	999	3.6	20.5	16.7	13.8
$5,000-$9,999	282	45	161	2,008	7.1	20.8	24.2	27.7
$10,000-$19,999	259	65	251	3,694	14.3	19.1	34.9	50.9
Sales of $20,000 or more	884	746	844	124,329	141	100.0	100.0	100.0
$20,000-$39,999	249	101	407	7,142	29	28.2	13.5	5.7
$40,000-$99,999	333	214	642	21,642	65	37.7	28.6	17.4
$100,000-$249,999	216	222	1,027	32,930	153	24.4	29.8	26.5
$250,000-$499,999	59	106	1,807	19,851	338	6.7	14.2	16.0
$500,000 and over	28	104	3,726	42,764	1,538	3.0	13.9	34.4
Abnormal farms [2]	2	55	32,638	311	185	100.0	100.0	100.0

[1] Occupation determined by 50 percent or more of work time on farm or other occupation.
[2] Represents institutional farms, experimental and research farms, Indian reservations, etc.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

NO. 1120. FARMS—NUMBER, BY VALUE OF PRODUCTS SOLD, BY STATE: 1982

[For composition of regions, see fig. I, inside front cover]

REGION, DIVISION AND STATE	With sales less than $10,000	WITH SALES OF—			
		$10,000-$39,999	$40,000-$99,999	$100,000-$249,999	$250,000 or more
U.S.	**1,096,337**	**507,832**	**332,751**	**215,912**	**86,468**
Region:					
Northeast	66,438	23,650	22,318	14,717	4,720
Midwest	320,199	253,641	200,557	122,337	35,703
South	565,458	175,795	75,167	53,038	26,667
West	144,242	54,746	34,709	25,820	19,378
N. Eng	**14,263**	**3,994**	**3,878**	**2,801**	**975**
ME	4,127	982	978	642	269
NH	1,839	364	277	191	74
VT	2,698	832	1,444	1,154	179
MA	2,983	1,054	706	431	210
RI	457	130	72	47	22
CT	2,159	632	401	336	221
Mid. Atl	**52,175**	**19,656**	**18,440**	**11,916**	**3,745**
NY	19,239	7,259	8,313	5,791	1,573
NJ	4,601	1,716	849	713	380
PA	28,335	10,681	9,278	5,412	1,792
E. No. Cent	**158,764**	**103,186**	**76,895**	**50,024**	**14,461**
OH	43,203	22,966	11,933	6,876	1,919
IN	32,609	20,467	12,310	8,621	3,144
IL	27,618	24,930	22,468	18,013	5,438
MI	30,210	14,579	7,233	4,706	1,914
WI	25,124	20,244	22,951	11,808	2,046
W. No. Cent	**161,435**	**150,455**	**123,662**	**72,313**	**21,242**
MN	27,406	25,962	23,957	13,656	3,391
IA	21,857	30,694	33,030	22,929	6,859
MO	61,236	28,455	13,602	7,224	1,902
ND	6,516	12,258	11,317	5,215	1,100
SD	7,618	12,401	10,904	4,892	1,237
NE	11,417	17,548	16,573	10,753	3,918
KS	25,385	23,137	14,279	7,644	2,835
So. Atl	**164,774**	**51,742**	**25,290**	**20,370**	**11,457**
DE	1,158	718	440	601	421
MD	8,058	3,378	1,965	1,795	969
VA	33,909	10,390	3,640	2,652	1,238
WV	15,938	1,842	488	299	155
NC	39,523	15,852	8,398	6,239	2,739
SC	16,352	4,248	1,985	1,475	856
GA	28,276	8,454	5,149	5,036	2,683
FL	21,560	6,860	3,225	2,273	2,396
E. So. Cent	**186,653**	**59,555**	**19,781**	**11,826**	**5,159**
KY	59,555	29,225	8,703	3,212	928
TN	65,096	17,233	4,712	2,565	934
AL	33,262	7,088	3,542	3,205	1,321
MS	28,740	6,009	2,824	2,844	1,976
W. So. Cent	**214,031**	**64,498**	**30,096**	**20,842**	**10,051**
AR	29,686	7,657	5,013	5,528	2,620
LA	20,108	4,488	3,054	2,638	1,300
OK	43,033	17,178	7,232	3,823	1,215
TX	121,204	35,175	14,797	8,853	4,916
Mt	**55,368**	**27,725**	**18,983**	**12,474**	**6,718**
MT	8,004	6,068	5,155	3,268	978
ID	9,980	5,684	4,319	2,940	1,687
WY	3,445	2,434	1,613	934	394
CO	12,034	6,380	4,274	2,773	1,602
NM	8,219	2,489	1,299	863	551
AZ	4,116	1,030	607	576	925
UT	8,213	3,062	1,368	890	399
NV	1,357	578	348	232	182
Pac	**88,874**	**27,021**	**15,726**	**13,346**	**12,660**
WA	20,426	5,431	4,020	3,814	2,356
OR	22,274	5,304	2,669	2,397	1,395
CA	42,899	15,142	8,677	6,925	8,740
AK	462	65	17	18	8
HI	2,813	1,079	343	192	161

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1121. Farms—Number, Acreage, and Value of Sales, by Type of Farm: 1982

[Farms were classified in a particular group if its sales for that product group amounted to 50 percent or more of the total value of farm products sold. The Standard Industrial Classification (SIC) code for each farm type is shown in parentheses. Excludes abnormal farms]

ITEM	Unit	Total	Cash grain[1] (011)	Cotton (0131)	Tobacco (0132)	Livestock[2] (021)	Dairy (024)	Poultry, eggs (025)	Fruit and nut (017)	Vegetable (016)	All other
Number of farms	1,000	2,239	576	21	131	906	164	42	84	31	283
With sales under $10,000	Percent	48.9	28.5	17.2	59.4	65.5	3.5	20.3	55.4	52.0	63.6
With sales between $10,000 and $39,999	Percent	22.7	31.7	27.4	28.1	18.7	21.5	8.0	21.0	23.1	17.4
With sales of $40,000 or more	Percent	28.4	39.8	55.4	12.5	15.8	75.0	71.7	23.6	24.9	19.0
Land in farms	Mil. acres	932	287	17	14	476	50	5	9	5	69
Products sold, value	Mil. dol.	131,590	33,723	3,141	2,782	39,849	18,129	10,081	5,782	3,922	14,181
Percent distribution:											
Number of farms	Percent	100.0	25.7	.9	5.9	40.5	7.3	1.9	3.8	1.4	12.7
Land in farms	Percent	100.0	30.8	1.8	1.5	51.0	5.3	.5	1.0	.6	7.5
Products sold, value	Percent	100.0	25.6	2.3	2.1	30.2	13.7	7.6	4.3	2.9	10.7

[1] Includes wheat, rice, corn for grain, soybeans, and other cash grains not elsewhere classified. [2] Excludes dairy, poultry, and animal specialty farms.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1122. Sales of Farm Products—Number of Farms Selling Specified Commodities and Value of Sales: 1978 and 1982

COMMODITY	Farms selling commodity: Number (1,000)		Farms selling commodity: Percent distribution		Value of sales: Amount (mil. dol.)		Value of sales: Percent distribution	
	1978	1982	1978	1982	1978	1982	1978	1982
Total	**[1] 2,258**	**[1] 2,241**	**[1] 100.0**	**[1] 100.0**	**107,073**	**131,900**	**100.0**	**100.0**
Crops	[1] 1,487	[1] 1,357	[1] 65.9	[1] 60.6	48,203	62,256	45.0	47.2
Grains [2]	[1] 1,024	[1] 951	[1] 45.3	[1] 42.4	26,747	36,409	25.0	27.6
Corn for grain	(NA)	505	(NA)	22.5	(NA)	13,516	(NA)	10.2
Wheat	(NA)	436	(NA)	19.5	(NA)	7,754	(NA)	5.9
Soybeans	(NA)	508	(NA)	22.7	(NA)	10,382	(NA)	7.9
Cotton and cottonseed	52	38	2.3	1.7	3,101	3,233	2.9	2.5
Tobacco	188	179	8.3	8.0	2,319	2,774	2.2	2.1
Hay, silage, and field seeds	407	300	18.0	13.4	2,275	2,312	2.1	1.8
Vegetables, sweet corn, and melons	73	69	3.2	3.1	3,239	4,145	3.0	3.1
Fruits, nuts, and berries	94	90	4.2	4.0	4,601	5,846	4.3	4.4
Nursery and greenhouse products	35	36	1.6	1.6	2,836	3,821	2.6	3.0
Other crops	61	54	2.7	2.4	3,084	3,716	2.9	2.8
Livestock, poultry, and their products	[1] 1,569	[1] 1,517	[1] 69.5	[1] 67.7	58,870	69,644	55.0	52.8
Poultry and poultry products	122	114	5.4	5.1	8,463	9,797	7.9	7.4
Dairy products	217	200	9.6	8.9	11,229	16,320	10.5	12.4
Cattle and calves	1,320	1,279	58.5	57.1	29,611	31,635	27.7	24.0
Hogs and pigs	424	315	18.8	14.1	8,072	9,868	7.5	7.5
Sheep, lambs, and wool	89	99	3.9	4.4	645	608	.6	.5
Other livestock and livestock products	109	122	4.8	5.4	851	1,415	.8	1.1

NA Not available. [1] The sum of components is larger than the total because some farms sell more than one commodity. [2] Includes other grains not shown separately.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1123. Irrigation of Agricultural Land—Summary: 1959 to 1982

[See also *Historical Statistics, Colonial Times to 1970*, series J 85-91]

ITEM	Unit	17 WESTERN STATES AND LA.					ALL STATES		
		1959	1969	1974	1978	1982	1974	1978	1982
Approximate land area	Mil. acres	1,189	1,187	1,187	1,187	1,186	2,266	2,266	2,265
Farms, total	1,000	1,044	850	745	745	771	2,314	2,258	2,241
Irrigated	1,000	267	210	197	223	220	237	281	278
Percent irrigated of total farms	Percent	25.6	24.7	26.4	29.9	28.5	10.2	12.4	12.4
Land in farms, total	Mil. acres	715	700	680	679	661	1,017	1,015	987
In irrigated farms	Mil. acres	213	218	211	227	220	229	252	247
Land irrigated, total	Mil. acres	31	35	37	44	42	41	50	49
Percent irrigated of total land in farms	Percent	4.3	5.0	5.4	6.5	6.4	4.0	5.0	5.0

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969*, and *1982*.

No. 1124. Federal Irrigation Projects, by Type of Service: 1960 to 1982

ITEM	Unit	1960	1965	1970	1975	1978	1979	1980	1981	1982
All projects: Irrigable acreage	1,000	8,171	9,612	10,198	10,930	11,409	12,236	11,944	11,941	12,592
Irrigated acreage	1,000	6,900	8,012	8,570	9,309	9,576	10,234	10,093	10,122	10,635
Gross crop value	Mil. dol	1,158	1,557	1,882	4,419	4,993	6,909	7,438	6,744	7,323
Full service:[1] Irrigable acreage	1,000	4,326	4,540	4,844	4,925	5,012	5,076	5,082	5,089	5,085
Irrigated acreage	1,000	3,488	3,731	4,037	4,213	4,222	4,254	4,275	4,290	4,249
Gross crop value	Mil. dol	581	675	847	1,858	2,036	2,348	2,668	2,553	2,514
Supplemental and temporary service:[2]										
Irrigable acreage	1,000	3,845	5,072	5,354	6,005	6,397	7,160	6,862	6,852	7,507
Irrigated acreage	1,000	3,412	4,281	4,533	5,096	5,354	5,980	5,818	5,832	6,386
Gross crop value	Mil. dol	577	882	1,035	2,561	2,957	4,561	4,770	4,191	4,809

[1] Applies to irrigable land receiving its sole irrigation supply through Bureau of Reclamation-constructed facilities and to previously irrigated land in non-Federal projects where a substantial part of the facilities was constructed, rehabilitated, or replaced by the Bureau. [2] Applies to irrigable land receiving irrigation water through Bureau projects in addition to supply from non-project sources and to land for which water is delivered under temporary arrangements.

Source: U.S. Bureau of Reclamation, *Annual Report*.

No. 1125. Foreign Ownership of U.S. Agricultural Land: 1983

[**In thousands of acres, except percent.** Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of U.S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" because another "foreign person" holds at least a 5 percent or more interest in the entity. Therefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1983]

CHARACTERISTIC	ACREAGE OWNED[1]		ACREAGE ACQUIRED[2]	
	Total	Percent	Total	Percent
Total[3]	**13,740**	**100.0**	**332**	**100.0**
Type of owner:				
Corporation	11,357	82.6	39	11.7
Partnership	1,277	9.3	252	75.9
Individual	916	6.7	40	12.1
Other	190	1.4	1	.3
Size of holding:				
Less than 100 acres	122	.9	5	1.5
100-299 acres	*276*	2.0	17	5.1
300-999 acres	835	6.0	45	13.6
1,000 acres or more	12,507	91.1	265	79.8
Land use:				
Cropland	1,914	13.9	69	20.8
Pasture	2,770	20.2	61	18.4
Forest	7,813	56.9	168	50.6
Other agriculture	566	4.1	17	5.1
Other nonagriculture	677	4.9	17	5.1
Country of foreign owner:				
Canada	1,471	10.7	13	3.9
Germany, Fed. Rep	705	5.1	32	9.6
Hong Kong	176	1.3	-	-
Mexico	214	1.6	1	.3
Netherlands Antilles	540	3.9	9	2.7
Switzerland	249	1.8	7	2.1
United Kingdom	402	2.9	6	1.8
Through U.S. interest:[4]				
Canada	2,855	20.6	40	12.0
France	328	2.4	2	.6
Germany, Fed. Rep	491	3.6	7	2.1
Hong Kong	1,692	12.3	-	-
Netherlands	341	2.5	19	5.7
Netherlands Antilles	237	1.7	9	2.7
United Kingdom	1,527	11.1	15	4.5

- Represents zero. [1] Landholdings by foreign interests as of Dec. 31. [2] Acquisitions by foreign interests from Jan. 1-Dec. 31, 1983. [3] Includes other countries not shown separately. [4] Reports filed by U.S. corporations with foreign shareholders.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31, 1983* (Economic Research Service Staff Report AGES 840328), 1984.

No. 1126. Farm Real Estate—Summary: 1970 to 1984

[Through 1975, value data as of Mar. 1; 1977–1981, as of Feb. 1; 1982–1984, as of April 1. Excludes Alaska and Hawaii. 1970 value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, p. 629. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For intercensal years, estimates are made using indexes of average value per acre. Indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Total value	Bil. dol.	215.0	358.6	495.0	553.0	653.1	753.6	826.1	816.3	767.0	762.3
Land	Bil. dol.	175.5	300.5	419.6	471.1	559.7	649.8	713.4	706.9	665.1	662.1
Buildings	Bil. dol.	39.5	58.1	75.4	81.9	93.4	103.8	112.7	109.4	101.8	100.3
Average value per acre [1]	Dollars	196	340	474	531	628	725	795	789	743	739
Index	1977=100	42	75	100	109	125	145	158	157	148	146
Average value, operating unit	$1,000	73.0	142.5	201.9	227.4	269.3	311.0	340.0	340.9	324.3	322.3

[1] Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Real Estate Market Developments*, annual.

No. 1127. Farm Real Estate—Value of Land and Buildings, by State: 1980 to 1984

[See headnote, table 1126. See also *Historical Statistics, Colonial Times to 1970*, series K 16]

STATE	Value of land and buildings (mil. dol.)				Average value of land and buildings, per acre				Indexes of average value per acre (1977=100)			
	1980	1982	1983	1984	1980	1982	1983	1984	1980	1982	1983	1984
U.S	753,608	816,323	766,962	762,320	$725	$789	$743	$739	145	157	148	146
Alabama	10,055	11,341	10,600	10,382	792	922	876	858	149	174	165	162
Arizona	10,260	11,466	10,853	11,087	264	294	279	285	[1] 167	[2] 186	[2] 177	[2] 181
Arkansas	15,201	18,106	15,925	15,293	921	1,104	993	944	163	196	174	167
California	48,345	64,198	64,873	64,873	1,426	1,905	1,925	1,925	166	221	223	223
Colorado	13,737	15,000	14,673	15,101	376	419	411	423	147	164	161	166
Connecticut	1,173	1,291	1,343	1,431	2,395	2,634	2,687	2,862	[3] 135	[3] 149	[3] 152	[3] 162
Delaware	1,141	1,095	1,078	1,100	1,755	1,659	1,659	1,692	151	143	143	146
Florida	18,112	18,616	18,701	19,072	1,352	1,432	1,461	1,490	[4] 141	[4] 149	152	155
Georgia	13,460	12,798	12,255	12,015	868	842	817	801	132	128	124	122
Idaho	10,301	11,370	10,570	10,570	669	753	700	700	134	151	140	140
Illinois	57,976	55,678	49,565	48,560	2,013	1,940	1,727	1,692	135	131	117	115
Indiana	30,791	28,983	25,066	24,814	1,833	1,715	1,492	1,477	150	140	122	121
Iowa	61,207	60,908	52,842	47,045	1,811	1,802	1,568	1,396	139	139	121	108
Kansas	27,685	28,372	26,384	25,608	573	585	544	528	134	136	126	122
Kentucky	13,942	14,442	14,007	13,441	955	996	966	927	147	154	149	143
Louisiana	13,007	15,412	14,958	14,958	1,288	1,511	1,481	1,481	169	199	195	195
Maine	934	992	1,012	1,078	579	636	649	691	[3] 135	[3] 149	[3] 152	[3] 162
Maryland	6,190	6,644	5,870	6,045	2,251	2,416	2,174	2,239	166	178	160	165
Massachusetts	1,055	1,075	1,045	1,112	1,552	1,707	1,741	1,854	[3] 135	[3] 149	[3] 152	[3] 162
Michigan	12,331	13,708	12,754	12,754	1,082	1,192	1,109	1,109	138	152	141	141
Minnesota	31,832	36,389	32,376	30,096	1,061	1,197	1,065	990	154	174	155	144
Mississippi	12,050	14,500	13,156	13,814	825	1,000	920	966	156	189	174	183
Missouri	27,660	27,381	23,833	23,833	878	872	759	759	154	153	133	133
Montana	14,230	15,773	14,656	14,966	229	254	236	241	142	157	146	149
Nebraska	28,623	29,798	26,799	23,562	600	626	563	495	137	143	129	114
Nevada	2,276	2,510	2,385	2,430	253	282	268	273	[1] 178	[2] 198	[2] 188	[2] 192
New Hampshire	539	587	599	638	988	1,087	1,109	1,181	[3] 135	[3] 149	[3] 152	[3] 162
New Jersey	2,984	3,212	3,148	3,242	2,926	3,118	3,056	3,148	120	128	125	129
New Mexico	8,870	10,001	9,400	9,588	190	211	200	204	[1] 166	[2] 185	[2] 176	[2] 180
New York	6,656	7,467	7,315	7,533	708	786	770	793	119	132	129	133
North Carolina	14,221	14,252	14,008	14,710	1,215	1,284	1,297	1,362	141	149	150	158
North Dakota	16,627	18,181	17,264	17,264	399	436	414	414	136	149	142	142
Ohio	27,347	23,879	20,882	20,044	1,678	1,474	1,297	1,245	156	137	121	116
Oklahoma	20,899	23,873	22,474	22,474	604	696	661	661	143	164	156	156
Oregon	10,067	11,120	10,556	10,447	556	611	580	574	132	145	138	137
Pennsylvania	12,633	11,722	11,127	12,015	1,404	1,332	1,279	1,381	140	133	128	138
Rhode Island	191	224	229	244	2,548	2,804	2,860	3,046	[3] 135	[3] 149	[3] 152	[3] 162
South Carolina	5,627	5,600	5,092	4,991	879	918	863	846	130	136	128	125
South Dakota	12,271	12,949	12,060	11,703	273	291	271	263	141	150	140	136
Tennessee	12,959	13,025	12,368	12,743	953	972	923	951	136	138	131	135
Texas	62,120	79,718	82,012	89,342	448	576	593	646	144	185	191	208
Utah	6,660	7,257	6,900	7,036	530	590	561	572	[1] 169	[2] 188	[2] 179	[2] 183
Vermont	1,235	1,328	1,355	1,443	710	781	797	849	[3] 135	[3] 149	[3] 152	[3] 162
Virginia	9,891	10,192	10,290	10,192	1,009	1,040	1,050	1,040	139	143	144	143
Washington	11,671	14,474	14,474	14,914	725	888	888	915	124	152	152	157
West Virginia	2,959	3,565	3,565	3,457	704	829	829	804	150	177	177	172
Wisconsin	18,232	19,850	18,546	17,436	980	1,073	1,019	958	159	174	165	155
Wyoming	5,357	6,001	5,719	5,824	153	170	162	165	126	[2] 140	[2] 133	[2] 136

[1] Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.
[2] Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.
[3] Estimated by combining survey data to obtain an average rate of change for New England States.
[4] Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Real Estate Market Developments*, annual.

No. 1128. Balance Sheet of the Farming Sector: 1970 to 1984

[In billions of dollars, except percent. As of January 1. Includes farm households. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 204-219, for data before revisions]

Item	Current dollars						Constant (1972) dollars [1]					
	1970	1975	1980	1982	1983	1984, prel.	1970	1975	1980	1982	1983	1984, prel.
Assets	**314.9**	**502.6**	**1,005.5**	**1,083.5**	**1,045.2**	**1,031.1**	**362.8**	**436.7**	**615.4**	**555.2**	**505.2**	**478.2**
Annual percent change [2]	5.3	9.8	14.9	3.8	–3.5	–1.3	1.6	3.8	7.1	–5.0	–9.0	–5.4
Physical assets:												
Real estate	215.8	359.7	755.9	818.9	769.2	764.5	248.6	312.5	462.6	419.6	371.8	354.5
Non-real estate:												
Livestock and poultry [3]	23.5	24.5	61.4	53.6	53.0	49.8	27.1	21.3	37.6	27.5	25.6	23.1
Machinery, motor vehicles	32.3	54.7	96.8	108.8	111.0	108.2	37.2	47.5	59.2	55.8	53.7	50.2
Crops stored [4]	10.9	23.3	33.5	36.3	41.3	33.7	12.6	20.2	20.5	18.6	20.0	15.6
Household furnishings, equipment	9.6	11.2	17.2	20.8	23.0	24.8	11.1	9.7	10.5	10.7	11.1	11.5
Financial assets:												
Deposits and currency	11.9	14.0	15.9	16.7	17.4	18.2	13.7	12.2	9.7	8.6	8.4	8.4
United States savings bonds	3.7	3.8	4.0	3.6	3.5	3.6	4.3	3.3	2.4	1.8	1.7	1.7
Investments in cooperatives	7.2	11.4	20.8	25.0	27.2	28.6	8.3	9.9	12.7	12.8	13.1	13.2
Claims	**314.9**	**502.6**	**1,005.5**	**1,083.5**	**1,045.2**	**1,031.1**	**362.8**	**436.7**	**615.4**	**555.2**	**505.2**	**478.2**
Liabilities	53.0	81.6	165.8	201.7	216.3	214.7	61.1	70.9	101.5	103.4	104.6	99.6
Real estate debt	29.2	44.6	85.4	105.5	109.9	111.6	33.6	38.7	52.3	54.1	53.5	52.9
Non-real estate debt to—												
Commodity Credit Corp. [5]	2.7	.3	5.1	8.0	15.4	10.8	3.1	.3	3.1	4.1	7.5	5.0
Other reporting agencies [6]	15.8	29.1	58.7	69.3	71.8	73.3	18.2	25.3	35.9	35.5	34.7	34.0
Non-reporting creditors [7]	5.3	7.5	16.6	18.8	19.5	18.9	6.1	6.5	10.2	9.6	9.4	8.8
Proprietors' equities	261.9	421.0	839.7	881.9	828.8	816.4	301.7	365.8	513.9	451.9	400.6	378.6

[1] Constant dollar figures are based on gross national product implicit price deflators for preceding year as published in the *Economic Report of the President, 1984* by Council of Economic Advisers. [2] Average change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Tabular Presentation. [3] Excludes horses and mules. [4] Includes all crops held on farms and crops held off farms by farmers as security for CCC loans. [5] Nonrecourse CCC loans secured by crops owned by farmers are included as assets in this balance sheet. [6] Loans of all operating banks, production credit associations, and Farmers Home Administration, and discounts of Federal intermediate credit banks for agricultural credit corporations and livestock loan companies. [7] Loans and credits extended by dealers, merchants, finance companies, individuals, and others. Estimates based on fragmentary data.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual, and unpublished data.

No. 1129. Gross Farm Product—Summary: 1970 to 1983

[In billions of dollars. For definition of gross product, see text, pp. 427-429. Minus sign (–) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series K 220-239, for single-year figures prior to minor revisions issued in 1981]

Item	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
CURRENT DOLLARS											
Total value of farm output [1]	**54.9**	**97.8**	**99.5**	**101.1**	**106.8**	**124.2**	**149.9**	**149.0**	**165.6**	**158.1**	**142.0**
Farm marketings cash receipts [2]	50.4	92.7	88.1	94.5	96.0	112.5	131.7	140.5	142.6	144.3	137.4
Farm products consumed [3]	.8	1.3	1.3	1.3	1.2	1.2	1.3	1.1	1.1	1.0	1.0
Change in farm inventories	.1	–1.8	3.5	–2.0	1.1	1.1	5.7	–5.3	7.8	–2.1	–10.4
Gross rental value of farm housing	3.0	4.7	5.4	6.0	7.3	8.2	9.8	11.1	12.2	12.9	12.4
Less: Intermediate products purchased	29.1	50.1	50.7	55.2	58.4	65.5	78.4	81.3	84.8	83.0	80.5
Equals: Gross farm product	**25.8**	**47.7**	**48.9**	**45.9**	**48.4**	**58.7**	**71.6**	**67.7**	**80.8**	**75.1**	**61.5**
Less: Capital consumption allowances [4]	5.9	8.5	10.1	11.1	12.6	14.2	16.3	18.9	20.6	21.9	22.4
Indirect business taxes	2.0	2.3	2.5	2.7	2.8	2.8	3.0	3.4	3.3	3.4	3.5
Plus: Subsidies to farm operators	3.3	.5	.7	.6	1.6	2.7	1.2	1.2	1.8	3.3	8.8
Equals: Income	**21.2**	**37.4**	**37.0**	**32.7**	**34.6**	**44.4**	**53.4**	**46.6**	**58.8**	**53.1**	**44.4**
CONSTANT (1972) DOLLARS											
Total value of farm output [1]	**63.1**	**65.1**	**65.9**	**66.7**	**69.6**	**71.2**	**74.4**	**71.9**	**76.2**	**74.7**	**67.9**
Farm marketings cash receipts [2]	57.6	60.4	59.8	63.7	65.4	67.0	67.9	70.6	69.3	72.8	69.4
Farm products consumed [3]	.8	1.0	1.0	1.0	.8	.7	.7	.6	.6	.5	.5
Change in farm inventories	.4	–.3	1.2	–1.9	–.3	–	2.4	–2.3	3.4	–1.2	–4.2
Gross rental value of farm housing	3.7	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.1	1.8	1.6
Less: Intermediate products purchased	32.0	33.3	32.3	34.6	36.5	38.6	40.3	36.9	35.9	35.7	34.1
Equals: Gross farm product	**31.1**	**31.8**	**33.6**	**32.1**	**33.1**	**32.6**	**34.2**	**35.0**	**40.3**	**38.9**	**33.8**

– Represents zero. [1] Includes other farm income not shown separately. [2] Includes net CCC loans. [3] In households where raised. [4] With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July issues.

No. 1130. Farm Debt Outstanding, by Type of Lender: 1970 to 1984

[In billions of dollars, except percent. As of Jan. 1. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 361-367 and K 376-380]

LENDER	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Farm debt, total	**53.0**	**73.3**	**81.6**	**91.5**	**103.9**	**122.7**	**140.8**	**165.8**	**182.0**	**201.7**	**216.3**	**214.7**
Annual percent change [1]	7.6	8.4	11.3	12.1	13.6	18.1	14.8	17.8	9.8	10.8	7.3	—.9
Farm debt/asset ratio (percent)	16.8	15.3	16.2	15.9	15.6	16.7	16.1	16.5	16.7	18.6	20.7	20.8
Real estate debt	29.2	39.5	44.6	49.6	55.2	63.3	71.4	85.4	95.5	105.5	109.5	111.6
Federal land banks	6.7	10.9	13.4	15.9	18.5	21.4	24.6	29.6	35.9	43.6	47.2	47.9
Life insurance companies	5.7	6.0	6.3	6.7	7.4	8.8	10.5	12.2	12.9	13.1	12.8	12.7
Commercial and savings banks	3.5	5.5	6.0	6.3	6.8	7.8	8.6	8.6	8.7	8.4	8.4	9.3
Farmers Home Administration [2]	2.3	3.0	3.2	3.4	3.7	4.0	4.1	7.1	7.7	8.7	9.1	9.3
Individuals and others [3]	11.0	14.2	15.8	17.3	18.9	21.3	23.6	27.9	30.2	31.8	32.0	32.3
Non-real estate debt	23.8	33.8	37.0	41.9	48.7	59.4	69.4	80.4	86.4	96.1	106.8	103.0
Commercial and savings banks	10.3	17.2	18.2	20.2	23.3	25.7	28.3	31.0	31.6	32.9	36.1	39.0
Production credit associations [4]	4.7	8.1	9.9	11.1	12.5	13.8	15.4	18.7	20.4	21.9	20.9	19.7
Farmers Home Administration	.8	.9	1.0	1.8	1.9	3.1	5.8	9.0	11.8	14.5	14.8	14.6
Individuals and others [5]	5.3	6.9	7.5	8.6	10.0	12.2	14.3	16.6	17.7	18.8	19.5	18.9
Commodity Credit Corporation	2.7	.8	.3	.4	1.0	4.5	5.7	5.1	5.0	8.0	15.4	10.8

[1] Annual change from prior year shown; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. [3] Includes seller and other individual financing of farm real estate sales and unclassified credit sources. [4] Also includes Federal intermediate credit bank loans to financial groups other than production credit associations. [5] Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

No. 1131. Indicators of Financial Stress in Agriculture, 1979 to 1983, and by Farm Region, 1983

[In percent. For years ending in June, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

FINANCIAL STRESS INDICATOR	1979	1980	1981	1982	1983					
					Total	Northeast [1]	Corn Belt [2]	South [3]	Plains [4]	West [5]
Average delinquency rate [6] [7]	2.9	(NA)	(NA)	3.9	3.7	3.5	3.5	4.3	3.5	4.5
Farm borrowers who had bank financing discontinued	3.8	4.5	2.9	3.3	2.9	2.7	2.5	4.4	3.0	3.3
Farm borrowers loaned-up to practical limit [7] [8]	29	27	(NA)	32	28	27	26	40	27	32
Farmers in bank lending area who went out of business	(NA)	2.1	(NA)	2.2	2.3	2.0	2.2	3.1	2.4	2.3
Farmers in bank lending area who went through bankruptcy	(NA)	(NA)	(NA)	.8	1.1	1.0	1.0	1.9	.9	1.2

NA Not available. [1] ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. [2] OH, IN, IL, IA, and MO. [3] VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. [4] ND, SD, NE, KS, OK, and TX. [5] MT, ID, WY, CO, NM, AZ, UT, NV, WA, OR, CA, AK, and HI.
[6] Percentage of dollar farm loan volume 30 days or more delinquent. [7] As of June of year shown. [8] Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, November 1983, and prior issues.

No. 1132. Cash Sources and Uses of Funds for the Farm Sector: 1970 to 1983

[In billions of dollars. Excludes funds from sale of real estate to nonfarm sector. Gross farm operating expenses have been deducted from gross farm income. Changes in the definition of "farm" starting in 1977 caused a significant reduction in the level of nonfarm income of farm firms]

SOURCE AND USE	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Total funds	**39.9**	**67.7**	**72.1**	**72.7**	**88.3**	**105.2**	**98.3**	**97.2**	**88.1**	**93.7**
Sources:										
Net cash farm and nonfarm income	37.6	57.8	60.4	57.3	71.4	79.6	82.0	80.5	80.9	89.9
Net flow of real estate loans	1.1	5.0	5.6	8.2	8.1	14.0	10.1	10.1	3.9	2.4
Net flow of non-real estate loans [1]	1.2	4.9	6.1	7.2	8.8	11.6	6.2	6.6	3.3	1.4
Uses:										
Personal consumption, and purchases of real estate [2]	30.4	51.4	54.5	52.8	61.9	79.3	73.9	75.4	67.5	74.6
Annual capital formation—										
Purchases of machinery and motor vehicles	4.9	8.7	10.0	10.6	12.7	14.3	12.8	12.1	10.0	10.0
Capital improvement to real estate assets	2.4	4.7	5.0	5.9	6.9	6.7	6.9	5.9	5.4	5.2
Other capital purchases [3]	2.2	2.9	2.6	3.4	6.8	4.9	4.7	3.8	5.2	3.9

[1] Excludes CCC loans. [2] Purchases of real estate are from discontinuing proprietors. Includes other cash uses and nonfarm investment. [3] Includes net additions to household furnishings, commercial bank deposits and currency, and purchases of breeding livestock.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Finance Outlook*, annual.

No. 1133. Farm Income and Expenses: 1970 to 1983

[In billions of dollars, except as indicated. See also *Historical Statistics, Colonial Times to 1970,* series K 192, K 259-260, K 264-285, and K 326]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Gross income from farming	**58.8**	**99.0**	**98.3**	**100.6**	**102.9**	**108.7**	**127.2**	**150.4**	**150.2**	**167.9**	**161.8**	**151.4**
Marketings, cash receipts	50.5	86.9	92.4	88.9	95.4	96.2	112.9	131.8	140.5	142.6	144.8	138.7
Crops	21.0	41.1	51.1	45.8	49.0	48.6	53.7	63.2	72.7	73.3	74.6	69.5
Net CCC loans [1]	−.1	−.9	−.2	.2	1.0	3.6	(z)	−.9	.5	2.0	9.1	−.7
Livestock	29.5	45.8	41.3	43.1	46.3	47.6	59.2	68.6	67.8	69.2	70.1	69.2
Government payments	3.7	2.6	.5	.8	.7	1.8	3.0	1.4	1.3	1.9	3.5	9.3
Value of home consumption	.8	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.1	1.1	1.1	1.0
Rental value of dwellings	3.3	4.1	4.9	5.4	6.1	7.3	8.1	9.4	11.3	12.5	13.1	12.7
Other farm income	.6	.8	.8	1.0	1.0	1.2	1.2	1.6	1.5	1.9	2.0	1.5
Value of change in inventories [2]	(z)	3.4	−1.6	3.4	−1.5	1.1	.8	4.9	−5.5	7.9	−2.6	−11.7
Expenses of farm production	**44.5**	**64.6**	**71.0**	**75.0**	**82.7**	**88.9**	**99.5**	**118.1**	**128.9**	**136.9**	**139.5**	**135.3**
Intermediate products	25.6	38.6	42.0	43.1	47.9	50.6	57.2	68.6	73.3	75.4	73.7	72.2
Farm origin	13.3	22.9	21.6	20.0	22.6	23.5	27.3	33.2	32.6	31.7	30.5	31.2
Feed	8.0	13.2	14.5	12.9	14.4	14.0	14.5	17.7	18.8	18.8	16.9	19.0
Livestock	4.3	8.1	5.1	5.0	5.9	7.1	10.2	12.6	10.4	9.0	9.7	8.8
Seed [3]	.9	1.6	1.9	2.1	2.4	2.5	2.6	3.0	3.4	3.9	4.0	3.5
Manufactured inputs	5.4	7.2	10.8	12.4	13.4	13.9	15.3	18.5	22.9	24.5	22.9	20.9
Fertilizer and lime	2.4	3.5	6.1	6.7	6.5	6.5	6.6	7.5	9.9	10.1	8.8	7.4
Pesticides	1.0	1.4	1.5	1.8	2.1	1.9	2.7	3.1	3.3	3.6	3.6	3.5
Fuel and oil	1.7	1.9	2.7	3.3	4.0	4.4	4.6	6.2	7.9	8.9	8.3	7.7
Electricity	.3	.4	.5	.6	.9	1.1	1.4	1.6	1.8	2.0	2.1	2.3
Repairs and operation [4]	2.8	3.4	4.0	4.5	5.1	5.8	6.6	7.3	8.1	8.1	8.2	8.2
Machine hire, custom work, and contract labor	1.3	1.8	1.9	2.2	2.3	2.5	2.6	3.2	3.3	3.8	4.1	3.3
Other	2.8	3.4	3.9	4.1	4.4	5.0	5.5	6.3	6.5	7.3	8.0	8.6
Interest	3.4	4.7	5.7	6.4	7.4	8.5	10.2	13.1	16.3	19.9	22.2	21.2
Real estate	1.8	2.4	2.8	3.3	3.8	4.3	5.1	6.2	7.5	9.1	10.5	10.9
Non-real estate	1.6	2.3	2.9	3.1	3.6	4.2	5.2	6.9	8.7	10.7	11.7	10.4
Wages paid hired farm labor [5]	3.9	4.7	5.5	6.0	6.8	7.2	7.5	8.6	9.2	9.1	10.8	10.5
Net rent to nonoperator landlords	2.1	4.8	4.1	4.0	3.5	3.4	4.0	4.8	4.8	4.9	4.8	3.7
Capital consumption [6]	6.9	8.9	10.5	12.4	13.8	15.5	17.0	19.2	21.4	23.4	23.6	23.1
Business taxes	2.6	2.9	3.1	3.2	3.5	3.7	3.6	3.9	3.9	4.2	4.4	4.6
Net income of farm operators from farming	**14.4**	**34.4**	**27.3**	**25.6**	**20.1**	**19.8**	**27.7**	**32.3**	**21.2**	**31.0**	**22.3**	**16.1**
In constant (1967) dollars	12.4	25.9	18.5	15.9	11.8	10.9	14.2	14.9	8.6	11.4	7.7	5.4
Avg. income per farm [7] *($1,000)*	4.9	12.2	9.8	10.1	8.1	8.1	11.4	13.3	8.7	12.7	9.3	6.8
In constant (1967) dollars	4.2	9.2	6.6	6.3	4.7	4.4	5.8	6.1	3.5	4.7	3.2	2.3

Z Less than $50 million. [1] Commodity Credit Corporation (CCC) loans made minus loans repaid. [2] Minus sign (−) indicates decrease in inventories.
[3] Includes bulbs, plants, and trees. [4] Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. [5] Includes social security payments and perquisites. [6] *Depreciation and accidental damage.* [7] 1970–1974 based on 1969 census farm definition; beginning 1975, based on 1974 census definition. See text, p. 629.

No. 1134. Personal Income of the Farm Population: 1970 to 1983

[In billions of dollars, except as indicated. Through 1974 based on 1969 census farm definition; beginning 1975 based on 1974 census definition. See text, p. 629. See *Historical Statistics, Colonial Times to 1970,* series K 256–258 and K 261–263, for data prior to revisions]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Net income of farm operators [1]	**14.4**	**34.4**	**27.3**	**25.6**	**20.1**	**19.8**	**27.7**	**32.3**	**21.2**	**31.0**	**22.3**	**16.1**
Less: Net income of nonresident operators	2.3	6.2	5.1	4.9	3.9	3.9	5.6	6.6	4.3	6.3	4.5	3.3
Plus: Wages, salaries, and other labor income of workers [2]	1.3	1.4	1.6	1.7	1.6	2.1	1.9	1.8	1.9	1.9	2.2	2.2
Less: Contributions of operators and workers to social insurance [2]	.4	.7	.7	.7	.7	.7	.8	1.0	1.0	1.2	1.2	1.3
Equals: Personal income of farm population from farm sources	12.9	28.9	23.1	21.6	17.1	17.2	23.1	26.6	17.9	25.3	18.8	13.6
Plus: Personal income of farm population from nonfarm sources	14.5	19.7	22.0	18.9	19.4	20.5	24.5	26.5	28.5	29.9	30.4	33.3
Equals: Personal income of farm population	27.5	48.6	45.1	40.5	36.5	37.8	47.5	53.1	46.4	55.2	49.2	46.9
Per capita personal income:												
From all sources (dol.)	2,828	5,136	4,873	5,605	5,512	6,095	7,312	8,505	7,667	9,532	8,756	8,109
From farm sources (dol.)	1,333	3,054	2,495	2,994	2,582	2,781	3,551	4,256	2,950	4,376	3,354	2,357
From nonfarm sources (dol.)	1,495	2,082	2,378	2,611	2,930	3,314	3,761	4,249	4,717	5,156	5,402	5,752
Per capita disposable personal income:												
Of farm population (dol.)	2,421	4,401	4,162	4,854	4,735	5,199	6,222	7,196	6,471	8,007	7,390	6,917
Of nonfarm population (dol.)	3,439	4,311	4,691	5,083	5,501	5,989	6,634	7,336	8,074	8,906	9,446	10,057
Percent farm of nonfarm	70.4	102.1	88.7	95.5	86.1	86.8	93.8	98.1	80.1	89.9	78.2	68.8

[1] Income from farming; includes government payments. [2] Farm residents only.

Source of tables 1133 and 1134: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics,* annual.

No. 1135. Government Payments to Farms by Program, and by Value of Farm Sales: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970,* series K 326-329]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983
Total [1]	**Mil. dol**	**3,717**	**807**	**1,819**	**3,030**	**1,375**	**1,286**	**1,932**	**3,492**	**9,294**
Feed grain [2]	Mil. dol	1,504	279	187	1,172	494	382	243	713	1,346
Wheat [2]	Mil. dol	871	77	887	963	114	211	625	652	864
Cotton [2]	Mil. dol	919	138	89	127	185	172	222	800	662
Conservation	Mil. dol	208	193	328	239	197	214	201	179	188
Rice [2]	Mil. dol	(x)	(x)	130	3	59	2	2	156	278
Grain Reserve Extended Storage	Mil. dol	(x)	(x)	(x)	(x)	(x)	160	310	908	555
Emergency Livestock Feed	Mil. dol	(x)	(x)	57	164	59	87	267	12	(z)
Wool	Mil. dol	49	13	5	27	33	28	35	46	84
Payments to farms with sales of: [3]										
Less than $2,500	Mil. dol	355	37	55	63	22	18	27	46	130
$2,500-$4,999	Mil. dol	227	38	53	65	27	25	37	65	176
$5,000-$9,999	Mil. dol	400	54	96	136	57	52	77	138	372
$10,000-$19,999	Mil. dol	671	82	126	159	64	56	83	147	401
$20,000-$39,999	Mil. dol	826	140	279	397	157	138	205	359	985
$40,000-$99,999	Mil. dol	708	230	618	1,059	466	431	646	1,161	3,106
$100,000-$199,999	Mil. dol	266	105	305	601	298	288	436	799	2,096
$200,000-$499,999	Mil. dol	140	64	184	377	195	191	289	533	1,391
$500,000 and over	Mil. dol	124	57	103	173	89	87	132	244	637
Avg. payment per farm [3]	**Dollar**	**1,260**	**320**	**741**	**1,244**	**566**	**530**	**794**	**1,455**	**3,922**
Farms with sales of—										
Less than $2,500	Dollar	251	46	74	96	39	35	52	93	257
$2,500-$4,999	Dollar	631	123	172	205	84	75	111	199	547
$5,000-$9,999	Dollar	1,074	174	311	430	175	156	232	416	1,146
$10,000-$19,999	Dollar	1,855	260	415	539	219	196	291	521	1,437
$20,000-$39,999	Dollar	2,734	445	923	1,360	553	494	734	1,316	3,626
$40,000-$99,999	Dollar	4,305	729	1,914	3,053	1,243	1,109	1,647	2,954	6,143
$100,000-$199,999	Dollar	7,331	1,091	2,800	4,439	1,806	1,612	2,395	4,295	11,837
$200,000-$499,999	Dollar	10,555	1,665	4,043	6,299	2,564	2,287	3,399	6,094	16,798
$500,000 and over	Dollar	29,795	5,193	7,944	10,051	4,091	3,650	5,423	9,725	26,805

X Not applicable. Z Less than $500,000. [1] Includes cropland adjustment and miscellaneous programs, not shown separately. Data for 1983 also include PIK (payment in kind) program. [2] Covers deficiency, disaster, and voluntary acreage diversion payments. [3] 1970 based on 1969 census definition; beginning 1975 based on 1974 census definition.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics,* annual.

No. 1136. Farm Income—Cash Receipts From Farm Marketings: 1970 to 1983

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970,* series K 286-302]

ITEM	Farm marketings (mil. dol.)									Percent		
	1970	1975	1977	1978	1979	1980	1981	1982	1983	1970	1980	1983
Total	**50,509**	**88,902**	**96,235**	**112,870**	**131,768**	**140,507**	**142,557**	**144,762**	**138,719**	**100.0**	**100.0**	**100.0**
All crops	20,977	45,813	48,600	53,708	63,174	72,707	73,342	74,623	69,516	41.5	51.7	50.1
Cotton lint, seed	1,254	2,311	3,470	3,465	4,305	4,478	4,551	4,948	4,283	2.5	3.2	3.1
Tobacco	1,388	2,155	2,331	2,604	2,271	2,674	3,250	3,342	2,831	2.7	1.9	2.0
Food grains	2,542	8,195	6,055	5,839	9,047	10,386	11,616	11,548	9,956	5.0	7.4	7.2
Wheat	2,067	7,026	5,077	4,689	7,823	8,837	9,848	9,990	9,018	4.1	6.3	6.5
Oilbearing crops	3,591	7,480	9,722	13,023	14,326	15,497	13,857	13,961	13,300	7.1	11.0	9.6
Soybeans	3,164	6,637	8,669	11,822	12,964	14,246	12,247	12,661	12,008	6.3	10.2	8.7
Feed crops	5,109	12,183	11,906	11,427	14,042	18,318	17,144	18,274	16,808	10.1	13.0	12.1
Corn	3,326	8,530	8,629	8,246	10,283	13,966	12,790	13,543	12,193	6.6	9.9	8.8
Vegetables [1]	2,814	5,346	5,609	5,941	6,454	7,285	8,743	8,064	8,233	5.6	5.2	6.0
Fruits, tree nuts [1]	2,071	3,563	4,603	5,764	6,436	6,532	6,561	6,726	6,153	4.1	4.6	4.4
Other [2]	2,208	4,579	4,904	5,645	6,293	7,538	7,620	7,760	7,952	4.4	5.4	5.7
All livestock and products	29,532	43,089	47,635	59,162	68,594	67,800	69,215	70,139	69,203	58.5	48.3	49.9
Hogs	4,478	7,916	7,281	8,754	9,027	8,921	9,785	10,586	9,714	8.9	6.4	7.0
Cattle and calves	13,633	17,520	20,225	28,248	34,400	31,464	29,578	29,906	28,694	27.0	22.4	20.7
Sheep and lambs	334	386	386	453	474	470	416	447	418	.7	.3	.3
Wool	57	54	77	76	91	93	104	72	61	.1	.1	(z)
Dairy products	6,527	9,923	11,752	12,724	14,650	16,587	18,128	18,273	18,808	12.9	11.8	13.6
Eggs	2,109	2,814	2,919	2,939	3,328	3,247	3,648	3,437	3,443	4.1	2.3	2.5
Broilers	1,464	2,953	3,104	3,715	4,025	4,305	4,650	4,482	4,849	2.9	3.1	3.5
Farm chickens	100	110	131	130	164	128	130	119	147	.2	.1	.1
Turkeys, other poultry [3]	494	809	1,059	1,326	1,408	1,478	1,522	1,497	1,521	1.0	1.1	1.1
Other [4]	336	604	702	797	1,027	1,102	1,254	1,320	1,548	.7	.7	1.1

Z Less than .05 percent. [1] Melons included with vegetables. [2] Sugar crops, greenhouse and nursery products, forest products, legume and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. [3] Ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. [4] Mohair, honey, beeswax, bees, goats, rabbits, and fur animals.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics,* annual.

No. 1137. Farm Income—Farm Marketings, 1982 and 1983, and Principal Commodities in Order of Marketing Receipts, 1983, by State

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1133]

Division and State	1982			1983				State rank for total farm marketings and principal commodities in order of marketing receipts, 1983
	Farm marketings, total	Crops	Livestock and products	Farm marketings: Total	Farm marketings: Crops	Farm marketings: Livestock and products	Government payments	
U.S.	**144,762**	**74,623**	**70,139**	**138,719**	**69,516**	**69,203**	**9,294**	**Cattle, dairy products, corn, soybeans.**
N.E.	**1,679**	**617**	**1,062**	**1,673**	**593**	**1,079**	**7**	
ME	422	164	258	413	153	260	3	43—Dairy prod., eggs, potatoes, cattle.
NH	111	35	76	114	36	78	1	48—Dairy prod., greenhouse, eggs, cattle.
VT	414	34	380	427	37	390	1	42—Dairy prod., cattle, maple prod., apples.
MA	373	237	136	367	231	136	1	44—Greenhouse, dairy prod., cranberries, eggs.
RI	35	21	14	31	19	12	-	49—Greenhouse, dairy prod., eggs, potatoes.
CT	324	127	197	321	118	203	1	45—Dairy prod., eggs, greenhouse, tobacco.
M.A	**6,111**	**1,957**	**4,154**	**6,192**	**1,906**	**4,286**	**71**	
NY	2,596	736	1,860	2,672	743	1,929	38	23—Dairy prod., cattle, greenhouse, apples.
NJ	560	428	132	543	407	136	4	39—Greenhouse, dairy prod., peaches, soybeans.
PA	2,955	793	2,162	2,977	756	2,221	29	18—Dairy prod., cattle, eggs, mushrooms.
E.N.C.	**24,035**	**13,080**	**10,955**	**24,031**	**12,985**	**11,046**	**1,280**	
OH	3,654	2,089	1,565	3,674	2,136	1,538	171	13—Soybeans, corn, dairy prod., cattle.
IN	4,500	2,756	1,744	4,009	2,180	1,829	265	10—Corn, soybeans, hogs, cattle.
IL	7,892	5,524	2,368	8,144	5,849	2,295	543	4—Corn, soybeans, hogs, cattle.
MI	2,794	1,623	1,171	3,001	1,758	1,243	141	16—Dairy prod., corn, cattle, greenhouse.
WI	5,195	1,088	4,107	5,203	1,062	4,141	160	8—Dairy prod., cattle, corn, hogs.
W.N.C.	**39,073**	**17,649**	**21,423**	**36,285**	**15,785**	**20,500**	**3,953**	
MN	6,651	3,101	3,550	6,277	2,949	3,328	611	5—Dairy prod., soybeans, corn, cattle.
IA	10,303	4,279	6,024	9,335	3,940	5,395	899	2—Hogs, cattle, soybeans, corn.
MO	3,890	1,827	2,063	3,988	1,729	2,259	237	11—Cattle, soybeans, hogs, dairy prod.
ND	2,635	2,029	606	2,691	2,028	663	579	22—Wheat, cattle, sunflower, barley.
SD	2,571	944	1,627	2,586	930	1,656	267	24—Cattle, wheat, hogs, dairy prod.
NE	7,080	2,852	4,228	6,010	2,007	4,003	762	6—Cattle, corn, hogs, soybeans.
KS	5,943	2,617	3,326	5,398	2,202	3,196	598	7—Cattle, wheat, hogs, soybeans.
S.A.	**16,031**	**9,272**	**6,759**	**15,632**	**8,824**	**6,808**	**260**	
DE	404	116	288	455	139	316	4	41—Broilers, soybeans, corn, dairy prod.
MD	1,038	330	708	1,032	330	702	12	35—Broilers, dairy prod., corn, soybeans.
VA	1,681	684	997	1,440	582	858	29	33—Dairy prod., tobacco, broilers, cattle.
WV	224	53	171	228	55	173	4	46—Cattle, dairy prod., broilers, apples.
NC	4,064	2,478	1,586	3,784	2,127	1,657	68	12—Tobacco, broilers, hogs, soybeans.
SC	1,143	748	395	1,058	653	405	46	34—Soybeans, tobacco, cattle, dairy prod.
GA	3,318	1,645	1,673	3,310	1,605	1,705	82	14—Broilers, peanuts, soybeans, eggs.
FL	4,159	3,218	941	4,325	3,333	992	13	9—Oranges, greenhouse, tomatoes, cattle.
E.S.C.	**9,504**	**5,178**	**4,326**	**9,131**	**4,565**	**4,566**	**422**	
KY	2,925	1,645	1,280	2,798	1,323	1,475	60	20—Tobacco, horses/mules, cattle, dairy prod.
TN	2,033	1,134	899	1,930	1,023	907	68	28—Cattle, dairy prod., tobacco, soybeans.
AL	2,176	969	1,207	2,112	854	1,258	64	26—Broilers, cattle, soybeans, eggs.
MS	2,370	1,430	940	2,291	1,365	926	230	25—Cotton, soybeans, broilers, cattle.
W.S.C.	**18,006**	**8,442**	**9,564**	**16,514**	**7,320**	**9,194**	**1,946**	
AR	3,340	1,795	1,545	2,999	1,499	1,500	295	17—Broilers, soybeans, rice, cattle.
LA	1,817	1,309	508	1,853	1,370	483	158	29—Soybeans, cotton, cane for sugar, cattle.
OK	3,200	1,110	2,090	2,692	1,003	1,689	365	21—Cattle, wheat, dairy prod., cotton.
TX	9,649	4,228	5,421	8,970	3,448	5,522	1,128	3—Cattle, cotton, dairy prod., wheat.
Mt.	**10,581**	**4,810**	**5,771**	**10,448**	**4,493**	**5,955**	**750**	
MT	1,562	907	655	1,503	847	656	239	32—Wheat, cattle, barley, dairy prod.
ID	2,047	1,233	814	2,016	1,132	884	136	27—Cattle, wheat, dairy prod., potatoes.
WY	527	113	414	593	115	478	20	37—Cattle, wheat, sugarbeets, hay.
CO	3,052	1,038	2,014	2,927	927	2,000	164	19—Cattle, wheat, corn, dairy prod.
NM	950	323	627	962	327	635	57	36—Cattle, dairy prod., hay, wheat.
AZ	1,679	996	683	1,644	928	716	111	31—Cattle, cotton, dairy prod., lettuce.
UT	528	130	398	579	146	433	19	38—Cattle, dairy prod., hay, wheat.
NV	236	70	166	224	71	153	4	47—Cattle, hay, dairy prod., sheep.
Pac.	**19,742**	**13,619**	**6,123**	**18,813**	**13,044**	**5,769**	**605**	
WA	2,985	1,993	992	3,063	2,104	959	159	15—Wheat, dairy prod., cattle, apples.
OR	1,799	1,146	653	1,700	1,145	555	67	30—Cattle, wheat, dairy prod., greenhouse.
CA	14,429	10,036	4,393	13,494	9,334	4,160	372	1—Dairy prod., cattle, cotton, grapes.
AK	16	9	7	19	11	8	-	50—Greenhouse, dairy prod., hay, potatoes.
HI	513	434	79	537	450	87	7	40—Cane for sugar, pineapples, greenhouse, cattle.

- Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics*, annual.

No. 1138. Farm Income, Assets and Debt, by State: 1980 to 1983

[Farm income data are before inventory adjustment. Includes farm households. Minus sign (–) indicates net loss]

Division and State	Gross farm income (mil. dol.)			Net farm income (mil. dol.)			Assets [1] (bil. dol.)		Debt [1] (bil. dol.)		Debt/asset ratio,[1] 1983 (percent)	Net farm income/debt ratio, 1983 (percent)
	1980	1982	1983	1980	1982	1983	1982	1983	1982	1983		
U.S.	**155,723**	**164,381**	**163,153**	**26,776**	**24,899**	**27,842**	**1,083**	**1,045**	**202**	**216**	**20.7**	**12.9**
N.E.	**1,734**	**1,901**	**1,902**	**179.6**	**257.8**	**216.6**	**8.2**	**8.3**	**1.5**	**1.5**	**18.1**	**14.4**
ME	478	467	454	–1.3	–15.2	–28.3	1.7	1.7	.4	.4	24.7	–6.8
NH	117	135	139	3.6	12.0	10.1	.8	.8	.1	.1	11.9	10.1
VT	420	460	476	77.2	83.5	77.6	2.2	2.2	.4	.4	17.3	20.2
MA	356	426	420	56.3	107.9	101.1	1.5	1.5	.3	.3	17.2	38.7
RI	38	41	39	1.6	3.9	.5	.3	.3	(z)	(z)	10.1	1.7
CT	325	372	374	42.2	65.7	55.6	1.7	1.8	.3	.3	14.1	21.7
M.A.	**6,326**	**6,946**	**7,062**	**727.2**	**849.4**	**814.7**	**34.9**	**34.3**	**6.4**	**6.7**	**19.5**	**12.2**
NY	2,736	2,889	2,998	269.4	168.4	194.9	13.0	13.0	3.0	3.2	24.9	6.0
NJ	533	666	657	55.7	124.2	124.7	4.1	4.1	.5	.5	12.3	24.6
PA	3,057	3,391	3,407	402.1	556.8	495.1	17.8	17.2	2.9	3.0	17.2	16.8
E.N.C.	**27,298**	**27,419**	**28,130**	**5,368.6**	**3,777.1**	**5,362.1**	**193.9**	**180.3**	**34.7**	**36.8**	**20.4**	**14.6**
OH	4,818	4,275	4,365	1,050.6	401.3	657.3	32.5	29.9	5.3	5.4	18.2	12.1
IN	5,354	5,227	4,862	1,026.4	662.3	518.7	38.3	35.0	7.5	7.8	22.3	6.6
IL	8,742	8,801	9,382	1,727.3	1,209.8	2,474.0	71.2	65.3	11.0	11.8	18.0	21.1
MI	3,118	3,265	3,559	474.6	327.5	589.5	19.8	19.1	4.0	4.4	22.9	13.4
WI	5,266	5,851	5,962	1,089.7	1,176.2	1,122.6	32.1	31.0	6.9	7.4	23.8	15.2
W.N.C.	**42,502**	**44,079**	**43,513**	**6,436.7**	**5,637.1**	**6,664.3**	**295.2**	**276.7**	**60.2**	**67.5**	**24.4**	**9.9**
MN	7,216	7,484	7,493	1,471.1	1,155.7	1,375.0	51.5	48.0	10.7	12.0	25.0	11.5
IA	11,422	11,527	11,094	1,464.7	1,438.0	1,874.4	80.5	73.3	15.7	17.5	23.9	10.7
MO	4,810	4,609	4,784	766.4	372.7	666.7	37.6	34.2	6.8	7.1	20.9	9.3
ND	2,937	3,076	3,501	720.4	318.0	858.5	25.7	25.3	4.9	5.7	22.5	15.1
SD	2,985	2,892	3,061	599.6	260.3	510.5	19.4	18.7	4.8	5.3	28.4	9.6
NE	6,898	7,774	7,141	685.6	1,051.4	721.2	42.0	39.9	9.6	11.2	28.0	6.5
KS	6,234	6,717	6,439	728.9	1,041.0	658.0	38.5	37.3	7.7	8.7	23.3	7.6
S.A.	**16,159**	**17,912**	**17,631**	**2,733.0**	**3,475.1**	**3,572.2**	**96.1**	**95.1**	**18.7**	**19.1**	**20.1**	**18.7**
DE	366	433	486	52.0	101.8	146.1	1.4	1.4	.3	.3	21.6	47.8
MD	1,084	1,221	1,201	133.7	194.6	178.9	8.4	7.7	1.1	1.1	14.7	15.8
VA	1,735	2,001	1,784	118.6	191.7	26.5	14.3	14.5	2.2	2.2	15.2	1.2
WV	313	347	354	–22.0	–29.1	–31.2	4.6	4.7	.4	.4	8.4	–8.0
NC	4,048	4,542	4,305	808.1	989.1	853.0	19.7	19.6	4.0	4.2	21.3	20.4
SC	1,249	1,300	1,232	115.1	106.4	92.9	7.8	7.3	1.7	1.8	24.2	5.2
GA	3,058	3,645	3,679	175.1	642.4	750.4	17.6	17.3	4.9	4.9	28.2	15.4
FL	4,306	4,423	4,590	1,352.4	1,278.2	1,553.6	22.3	22.6	4.1	4.2	18.8	36.7
E.S.C.	**10,228**	**11,249**	**11,061**	**2,002.0**	**2,054.6**	**2,294.4**	**73.2**	**71.1**	**14.2**	**14.2**	**20.0**	**16.2**
KY	3,171	3,407	3,322	910.2	812.5	876.3	20.8	20.7	4.1	4.1	19.9	21.3
TN	2,335	2,521	2,442	343.8	324.6	267.8	18.5	18.4	3.3	3.2	17.6	8.3
AL	2,233	2,544	2,498	320.6	509.6	559.6	15.0	14.3	2.6	2.6	18.1	21.6
MS	2,489	2,777	2,799	427.4	407.9	590.7	18.9	17.7	4.2	4.3	24.5	13.7
W.S.C.	**18,939**	**21,071**	**20,482**	**2,452.0**	**3,008.7**	**2,892.1**	**169.9**	**170.0**	**25.6**	**27.2**	**16.0**	**10.6**
AR	3,379	3,792	3,584	512.0	780.5	649.7	23.2	21.1	4.1	4.3	20.3	15.2
LA	1,865	2,177	2,260	200.6	351.0	590.9	19.1	18.7	3.3	3.4	18.4	17.2
OK	3,576	3,780	3,475	605.2	669.9	376.4	30.3	29.2	5.6	5.8	20.0	6.5
TX	10,119	11,322	11,143	1,134.2	1,207.3	1,275.1	97.3	101.0	12.6	13.7	13.5	9.3
Mt.	**12,170**	**12,104**	**12,294**	**1,344.4**	**890.5**	**1,165.9**	**99.0**	**95.5**	**17.6**	**18.7**	**19.6**	**6.2**
MT	1,632	1,875	1,924	78.7	44.5	110.9	20.3	19.5	4.0	4.3	22.0	2.6
ID	2,292	2,344	2,377	341.6	214.9	326.9	15.4	14.6	3.4	3.6	24.6	9.1
WY	737	616	687	48.7	–100.2	–41.1	7.6	7.4	1.2	1.2	16.9	–3.3
CO	3,462	3,368	3,326	327.0	375.3	334.0	19.3	19.2	4.5	4.8	25.1	6.9
NM	1,315	1,111	1,140	249.2	62.0	79.5	11.6	11.1	1.3	1.4	12.9	5.6
AZ	1,819	1,852	1,858	212.6	247.9	264.5	13.0	12.3	1.8	1.9	15.2	14.1
UT	635	665	721	50.7	18.3	81.6	8.7	8.4	1.0	1.1	12.8	7.6
NV	278	273	261	35.9	27.8	9.6	3.1	3.0	.4	.4	14.2	2.3
Pac.	**20,366**	**21,700**	**21,089**	**5,532.2**	**4,948.5**	**4,860.2**	**113.1**	**113.6**	**22.8**	**24.5**	**21.6**	**19.8**
WA	2,966	3,406	3,554	778.3	812.8	983.7	18.9	19.2	3.6	3.9	20.5	25.0
OR	1,913	2,104	2,028	352.4	357.4	326.7	14.8	14.4	3.4	3.5	24.2	9.4
CA	14,809	15,634	14,921	4,163.9	3,689.4	3,421.3	76.5	77.2	15.6	16.8	21.7	20.4
AK	15	20	22	.9	.6	1.7	.2	.2	(z)	(z)	23.1	3.7
HI	663	536	564	236.7	88.3	126.8	2.7	2.6	.2	.3	10.4	46.4

Z Less than $50 million. [1] As of January 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics*, annual.

No. 1139. Indexes of Prices Received and Paid by Farmers: 1965 to 1983

[1977=100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344-353]

ITEM	1965	1970	1973	1974	1975	1976	1978	1979	1980	1981	1982	1983, prel.
Prices received, all products	**54**	**60**	**98**	**105**	**101**	**102**	**115**	**132**	**134**	**139**	**133**	**135**
Crops	53	52	91	117	105	102	105	116	125	134	121	129
Livestock and products	54	67	104	94	98	101	124	147	144	143	145	141
Prices paid, total [1]	**47**	**55**	**71**	**81**	**89**	**95**	**108**	**123**	**138**	**150**	**157**	**161**
Production	48	54	73	83	91	97	108	125	138	148	150	153
Interest payable per acre	22	39	55	65	77	88	117	149	174	211	241	251
Taxes payable per acre	46	68	77	81	87	94	100	107	115	123	131	137
Wage rates [2]	38	57	69	79	85	93	107	117	126	137	143	147
Parity ratio (1910-14=100) [3]	**76**	**72**	**91**	**86**	**76**	**71**	**70**	**71**	**65**	**61**	**57**	**56**

[1] Includes production items, interest, taxes, wage rates, and a family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Labor Statistics. See text, pp. 465 and 466, and table 789. [2] Straight average of seasonally adjusted indexes. [3] Ratio of prices received by farmers to prices paid.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Agricultural Prices: Annual Summary.*

No. 1140. Income per Farm Operator Family, 1975 to 1983, and by Value of Sales, 1983

[In dollars. Net income data are before inventory adjustment and include farm households. Minus sign (–) indicates loss. See also footnote 1, table 1141]

YEAR	Total	Off-farm	Net farm	VALUE OF SALES	Total	Off-farm	Net farm
1975	18,266	9,481	8,787	**1983, total**	**29,048**	**17,299**	**11,749**
1976	19,365	10,685	8,681	Less than $2,500	21,294	21,655	–361
1977	18,267	10,635	7,631	$2,500-$4,999	19,509	20,210	–701
1978	23,207	12,194	11,015	$5,000-$9,999	19,891	20,047	–155
1979	25,709	14,472	11,237	$10,000-$19,999	18,324	18,061	263
1980	26,503	15,474	11,029	$20,000-$39,999	16,493	13,547	2,945
1981	25,849	16,366	9,483	$40,000-$99,999	21,907	11,253	10,654
1982	26,794	16,421	10,373	$100,000-$199,999	38,474	11,793	26,681
1983	29,048	17,299	11,749	$200,000-$499,999	76,844	14,610	62,233
				$500,000 and over	596,187	28,603	567,585

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

No. 1141. Farms, Farm Income, and Assets, by Value of Sales: 1982 and 1983

[Minus sign (–) indicates loss]

FARMS WITH VALUE OF SALES OF—	Number of farms [1] (1,000)	Gross income [2] (bil. dol.)	Cash receipts [3] (bil. dol.)	Net income [2] (bil. dol.)	Assets [4] (bil. dol.)	Debt [4] (bil. dol.)	Debt to asset ratio [4] (percent)	PERCENT DISTRIBUTION: Number of farms [1]	Gross income [2]	Net income [2]	Assets [4]
1982: Less than $2,500	495	3.8	.7	–.2	56.5	5.6	10.2	20.6	2.1	–.6	5.2
$2,500-$4,999	328	3.0	1.4	–.3	45.3	4.7	10.4	13.7	1.6	–1.1	4.2
$5,000-$9,999	332	4.4	2.8	–.2	58.8	6.7	11.4	13.8	2.7	–1.0	5.4
$10,000-$19,999	281	6.0	4.7	–.2	71.5	9.4	13.2	11.7	3.7	–.6	6.6
$20,000-$39,999	273	10.5	9.1	.2	108.3	15.1	13.9	11.4	6.4	.8	10.0
$40,000-$99,999	393	31.3	28.8	2.3	261.4	44.9	21.2	16.4	19.0	9.3	24.1
$100,000-$199,999	186	30.5	28.9	3.8	211.6	40.9	19.3	7.8	18.5	15.3	19.5
$200,000-$499,999	87	29.5	28.5	4.8	160.8	37.2	23.1	3.6	18.0	19.3	14.8
$500,000 and over	25	45.7	45.3	14.6	109.3	36.9	33.8	1.0	27.8	58.6	10.1
1983: Less than $2,500	507	3.6	.8	–.2	57.6	6.2	10.8	21.4	2.2	–.7	5.5
$2,500-$4,999	322	3.0	1.5	–.2	44.1	4.9	11.2	13.6	1.8	–.8	4.2
$5,000-$9,999	325	4.5	3.0	–.1	57.1	7.0	12.3	13.7	2.7	–.2	5.5
$10,000-$19,999	279	6.2	4.9	.1	70.3	10.0	14.3	11.8	3.8	.3	6.7
$20,000-$39,999	272	11.0	9.6	.8	106.8	16.2	15.2	11.4	6.7	2.9	10.2
$40,000-$99,999	361	32.3	29.8	4.1	252.9	48.9	19.3	16.1	19.8	14.8	24.2
$100,000-$199,999	177	30.3	28.8	4.7	200.9	43.9	21.8	7.5	18.6	17.0	19.2
$200,000-$499,999	83	28.8	27.9	5.2	151.8	39.9	26.3	3.5	17.7	18.5	14.5
$500,000 and over	24	43.6	43.3	13.5	103.5	39.3	38.0	1.0	26.7	48.4	9.9

[1] Based on 1974 census definition. See text, pp. 629 and 630. [2] Data are before inventory adjustment. For components of income, see table 1133. [3] Includes government payments and other farm income.
[4] Data as of January 1. Includes farm households.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

No. 1142. Commodity Credit Corporation (C.C.C.) Loans—Number of Farms Receiving Loans and Value of Loans: 1982

[Total and data by size of loan receipts include abnormal farms (see footnote 2, table 1119)]

Amount of C.C.C. loans received and type of organization	Farms receiving C.C.C. loans		Value of C.C.C. loans	
	Number	Percent distribution	Amount (mil. dol.)	Percent distribution
Total	**188,765**	**100.0**	**6,611**	**100.0**
Farms with loan receipts—				
$1–$499	7,124	3.8	2	(z)
$500–$999	5,089	2.7	4	(z)
$1,000–$4,999	27,693	14.7	77	1.2
$5,000–$9,999	25,754	13.6	188	2.8
$10,000–$19,999	36,813	19.5	526	8.0
$20,000 or more	86,292	45.7	5,814	88.0
Individual or family	155,252	82.3	4,648	70.3
Partnership	23,527	12.5	1,055	16.0
Corporation	9,458	5.0	887	13.4
Family held	9,042	4.8	844	12.8
Other	416	.2	44	.6

Size of farm and value of farm sales	Farms receiving C.C.C. loans		Value of C.C.C. loans	
	Number	Percent distribution	Amount (mil. dol.)	Percent distribution
Other	513	.2	20	.3
Under 50 acres	3,283	1.7	24	.4
50–179 acres	23,129	12.3	203	3.1
180–499 acres	65,121	34.5	1,314	19.8
500–999 acres	51,383	27.2	1,869	28.3
1,000 acres and over	45,834	24.3	3,200	48.4
Less than $2,500	1,139	.6	1	(z)
$2,500–$4,999	2,192	1.2	4	.1
$5,000–$9,999	5,997	3.2	21	.3
$10,000–$19,999	14,037	7.4	91	1.4
$20,000–$39,999	28,577	15.1	336	5.1
$40,000–$99,999	63,111	33.4	1,425	21.6
$100,000–$249,999	52,837	28.0	2,388	36.1
$250,000–$499,999	15,492	8.3	1,393	21.1
$500,000 and over	5,368	2.8	952	14.4

Z Less than .05 percent.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1982.*

No. 1143. Commodity Credit Corporation—Summary: 1970 to 1983

[*In millions of dollars.* Through **1976**, as of or for years ending **June 30**; beginning **1977**, as of or for years ending **Sept. 30**. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970,* series K 330–343]

Item	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
LOAN ACTIVITY [1]												
Loans made	2,388	1,580	1,256	852	1,131	3,621	6,385	4,576	4,228	5,849	11,454	13,710
Loans repaid	1,830	2,535	1,947	939	677	1,167	4,444	4,048	4,148	5,741	4,629	9,373
Loans cancelled by acquisition of collateral	1,073	52	1,252	100	348	23	145	318	115	3,405	363	840
Loans outstanding [2]	2,952	1,418	720	335	637	3,245	5,030	5,210	5,119	5,193	11,633	15,084
Wheat	576	77	10	4	24	1,814	1,318	816	837	1,871	3,321	4,162
Corn	632	451	115	39	61	239	1,280	1,301	1,617	629	4,210	5,274
Cotton	170	26	34	143	24	13	153	80	35	76	714	960
Tobacco	845	481	250	119	353	652	751	903	815	764	667	1,736
Sorghum	52	10	4	1	3	106	278	70	79	96	721	838
Storage facilities, equipment [3]	164	274	271	199	157	236	799	1,324	1,470	1,403	1,210	1,008
COMMODITY INVENTORY OPERATIONS												
Acquisitions, value [2 4]	1,518	576	402	835	657	997	911	1,007	2,759	2,507	2,968	8,634
Purchases	398	511	400	735	307	974	761	677	2,643	2,503	2,593	7,644
Collateral acquired from loans	1,120	65	2	100	350	23	150	330	116	4	375	990
Wheat	217	56	130	4	14	72	135	40	601	28	27	1,544
Corn	49	43	6	2	5	2	31	195	416	21	179	2,620
Cotton	304	(z)	(z)	(z)	(z)	(z)	(z)	(z)	1	(z)	(z)	3
Dairy products	253	158	55	480	115	721	445	247	1,262	1,991	2,282	2,716
Butter	146	97	16	65	2	240	154	75	326	528	561	610
Cheese	7	8	3	92	9	168	51	17	443	768	874	1,173
Dried milk	100	53	36	323	104	313	240	155	493	695	843	928
Wheat flour and products	109	140	177	123	80	89	112	149	124	161	117	97
Vegetable oil products	28	58	67	44	(z)	24	50	117	136	161	89	79
Commodities owned, value [2]	1,858	479	114	416	659	985	1,029	1,162	2,737	3,727	5,103	10,227
Wheat	405	194	26	2	(z)	23	119	118	705	679	679	1,533
Corn	293	99	11	(z)	1	(z)	27	209	596	555	709	3,392
Cotton	225	1	–	(z)	–	(z)	(z)	(z)	1	1	2	174
Sorghum	173	14	2	(z)	(z)	(z)	26	92	93	79	91	520
Dairy products	134	65	25	290	259	703	751	570	1,266	2,396	3,442	4,219
Butter	97	65	11	41	–	186	240	186	385	709	781	[5] 898
Cheese	–	–	–	10	1	93	55	4	309	868	1,395	1,674
Dried milk	37	–	14	239	258	424	456	378	572	799	1,266	1,648

– Represents zero. Z Less than $500,000. [1] Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. [2] Includes amounts for commodities not shown separately. [3] Loans for purchase, construction, or installation of storage and drying equipment. [4] For 1970, includes purchases for commodity export program. [5] Includes $25 million in butter oil.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations,* annual.

No. 1144. Commodity Credit Corporation—Volume of Price-Support Commodities Owned and Outstanding Under Loan: 1975 to 1983

[As of **December 31**. For explanation of program, see headnote, table 1143]

Commodity	Unit	Commodities owned					Commodities outstanding under loan				
		1975	1980	1981	1982	1983	1975	1980	1981	1982	1983
Dairy products:											
Butter and butter oil	Mil. lb	3	331	449	503	578	(x)	(x)	(x)	(x)	(x)
Cheese	Mil. lb	5	244	644	945	1,097	(x)	(x)	(x)	(x)	(x)
Nonfat dry milk	Mil. lb	442	707	944	1,377	1,718	(x)	(x)	(x)	(x)	(x)
Rice	Mil. cwt	(z)	1.7	(z)	17.6	23.7	8.9	20.5	16.3	53.7	45.0
Wheat	Mil. bu	(z)	203	191	185	376	32	366	660	1,121	1,107
Corn	Mil. bu	(z)	254	248	429	1,230	110	966	1,234	2,400	1,450
Sorghum grain	Mil. bu	(x)	44	38	47	189	6	24	181	402	254
Soybeans	Mil. bu	(x)	(z)	(z)	14	23	(z)	72	161	358	81
Cotton [1]	1,000 bales	(z)	2	2	81	1,315	333	851	1,485	5,623	3,134
Tobacco	Mil. lb	(x)	(x)	(x)	(x)	(x)	335	678	596	609	1,028

X Not applicable. Z Less than half the unit of measure of shown. [1] Upland and extra long staple.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual. Also in *Agricultural Statistics*, annual.

No. 1145. Commodity Credit Corporation—Realized Losses on Price Support and Related Programs: 1970 to 1983

[**In millions of dollars.** The realized loss or cost for these programs is reimbursed to C.C.C. by congressional appropriations and does not include reimbursements under Public Law 480 (Food for Peace), National Wool Act, or Export Credit Sales Programs. See also headnote, table 1143. Minus sign (–) indicates net loss]

Item	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total net realized loss	**–4,213**	**–4,093**	**–2,759**	**–710**	**–525**	**–824**	**–3,056**	**–3,300**	**–2,296**	**–3,531**	**–5,723**	**–19,513**
Net realized loss, program	–3,622	–3,834	–2,512	–661	–451	–747	–2,711	–2,637	–1,544	–2,760	–3,355	–17,643
Producer payments [1]	–2,945	–3,122	–2,351	–560	–288	–594	–2,152	–1,928	–418	–1,030	–1,491	–4,734
Diversion payments [2]	–1,014	–3,122	–2,351	–5	–	–	–189	–78	–56	–	–	–1,332
Deficiency payments [3]	–	–	–	–	–	–129	–1,436	–1,023	–80	–	–1,184	–3,286
Disaster payments [4]	–	–	–	–555	–288	–465	–525	–366	–257	–1,030	–306	–115
Net loss on commodity inventory operations	–398	–161	–71	–114	–162	–108	–296	–333	–479	–926	–1,377	–2,562
Net loss on sales	–2	+227	+173	+87	+20	+1	–131	–114	–70	–203	–483	–581
Proceeds from commodity sales [5]	+880	+1,160	+728	+450	+330	+581	+661	+667	+962	+902	+562	+1,619
Cost of sales	–882	–933	–555	–363	–310	–580	–792	–781	–1,032	–1,105	–1,045	–2,200
Cost of commodities donated	–185	–258	–211	–168	–147	–60	–103	–119	–184	–432	–572	–1,402
Other expenses [6]	–211	–130	–33	–33	–35	–49	–62	–100	–225	–291	–322	–579
Payment-in-kind program	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	–9,424
Grain reserve storage expense [7]	–144	–113	–17	(z)	–	–1	–86	–282	–237	–87	–464	–1,113
Emergency Feed program payments	–	–	–	–	–	–	–169	–70	–23	–329	–16	–
Loan and other charge offs	–25	–48	–5	–1	–1	–45	–10	–23	–51	–22	–18	–56
Other costs and recoveries	–110	–390	–68	–6	(z)	+1	+2	–1	–336	–366	+11	+246
Net interest expense [8]	–535	–181	–183	+43	+1	+2	–240	–562	–596	–605	–2,066	–1,523
Net operating and other expense	–56	–78	–64	–72	–75	–79	–105	–101	–156	–166	–302	–347

– Represents zero. X Not applicable. Z Less than $500,000.

[1] *Includes activity for prior year programs, not shown separately.* For 1970, *includes price support payments.* [2] *Payments are* made to producers of feed grains, upland cotton, wheat, and rice who voluntarily diverted additional acreage from crop production to approved conservation uses or elected to divert wheat acreage for grazing or hay, but only if the Secretary of Agriculture determined that such payments were necessary to meet desirable acreage goals. [3] *Payments are made to producers of wheat,* feed grains, upland cotton, and rice when the target price for the commodities exceeds the national weighted average market price or the loan rate, whichever is higher. [4] Payments are made to producers of wheat, feed grains, cotton, and rice in the event a crop cannot be planted, or if the quantity harvested is substantially less than the expected production because of drought, flood, or other natural disaster, or other conditions beyond the producers' control. [5] *Includes the value of exported commodities charged* to P.L. 480, Title II. [6] Covers storage, handling and transportation expenses. [7] Payments to producers for storage of grain under the farmer-owned grain reserve program. Under the reserve program, a farmer contracts with the government to store grain for a three-year period and receives a nonrecourse loan and annual storage payments. The Federal Government has generally extended reserve loans beyond three years rather than have farmers choose not to repay loans and give grain to the government. Grain in the reserve cannot be sold, except with a financial penalty, until the market price reaches a trigger release price, at which time storage payments cease and farmers can repay loans without financial penalty. Interest is charged only for the first year. For 1970–1975, *includes reseal loan storage expense.* [8] *Interest expense minus interest income.*

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

No. 1146. Commodity Credit Corporation—Net Realized Losses on Price Support and Related Programs, by Selected Commodities: 1975 to 1983

[In millions of dollars. See headnote, table 1145. Minus sign (–) indicates net loss]

Year and item	Feed grains: Total [1]	Feed grains: Corn [2]	Feed grains: Sorghum [2]	Feed grains: Barley	Wheat [2]	Cotton, upland	Dairy products: Total [1]	Dairy products: Milk	Rice [2]	Oils and oilseeds
1975	–314	–238	–64	–15	–56	–127	–164	–44	–5	–3
1980	–670	–514	–123	–28	–91	–103	–315	–172	–2	–128
1981	–572	–433	–102	–34	–514	–305	–765	–312	–252	–19
1982	–849	–455	–329	–65	–691	–565	–1,136	–317	–29	–14
1983, total	***–6,486***	***–7,461***	***–856***	***–155***	***–4,166***	***–2,233***	***–1,750***	***–481***	***–901***	***–13***
Producer payments [3]	–1,471	–1,141	–192	–125	–1,527	–1,199	–	–	–537	–
Diversion payments [4]	–1,012	–850	–125	–25	–295	–	–	–	–25	–
Deficiency payments [5]	–455	–291	–64	–100	–1,226	–1,093	–	–	–512	–
Disaster payments [6]	–4	–	–3	–	–6	–105	–	–	–	–
Net loss on commodity inventory operations	–277	–255	–18	–3	–159	–30	–2,004	–480	–26	–9
Cost of sales and commodities donated	–541	–464	–72	–	–842	–3	–1,973	–516	–27	–35
Sales proceeds [7]	540	464	73	–	771	3	115	78	23	35
Other expenses [8]	–276	–255	–19	–3	–88	–30	–146	–42	–22	–9
Grain reserve storage expense [9]	–832	–681	–124	–26	–281	–	–	–	–	–
Loan and other charge offs	–	–	–	–	–	–	–	–	–	–4
Other costs and recoveries	–12	–12	–	–1	–3	–8	[10] 254	–1	–	–
Payment-in-kind program	–5,894	–5,372	–522	–	–2,196	–996	–	–	–338	–

– Represents zero. [1] Includes other commodities, not shown separately. [2] Includes products. [3] See footnote 1, table 1145. [4] See footnote 2, table 1145. [5] See footnote 3, table 1145. [6] See footnote 4, table 1145. [7] See footnote 5, table 1145. [8] See footnote 6, table 1145. [9] See footnote 7, table 1145. [10] Represents milk marketing fees collected.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

No. 1147. Farmer Marketing and Farm Supply Cooperatives—Summary: 1970 to 1982

[1970–1977, for **fiscal years** of cooperatives ending between **July 1** of preceding year and **June 30** of year shown. Beginning **1978**, reports of cooperatives are for the **calendar year.** Memberships and businesses are estimated. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. See also *Historical Statistics, Colonial Times to 1970*, series K 195–203]

Item	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Cooperatives listed	***7,790***	***7,645***	***7,535***	***6,736***	***6,600***	***6,445***	***6,293***	***6,211***	***6,125***
Marketing [1]	5,015	4,916	4,804	4,143	4,050	3,938	3,924	3,855	3,826
Farm supply	2,775	2,729	2,731	2,593	2,550	2,507	2,369	2,356	2,299
Memberships [2] (1,000)	**6,355**	**6,123**	**5,906**	**5,758**	**5,695**	**5,627**	**5,379**	**5,335**	**5,135**
Marketing [1] (1,000)	3,133	3,151	2,850	2,692	2,632	2,567	2,574	2,479	2,469
Farm supply (1,000)	3,222	2,972	3,056	3,066	3,063	3,060	2,804	2,856	2,666
Business [3] (mil. dol.)	**19,080**	**41,342**	**40,104**	**43,584**	**47,305**	**56,268**	**66,254**	**71,534**	**69,150**
Marketing [1] (mil. dol.)	15,207	32,682	30,692	33,027	36,253	42,747	50,120	54,475	52,788
Farm supply (mil. dol.)	3,873	8,660	9,412	10,557	11,052	13,521	16,134	17,059	16,362

Selected products or supplies	Cooperatives handling: 1970	1979	1980	1981	1982, prel.	Business [3] (mil. dol.): 1970	1975	1979	1980	1981	1982, prel.
Products marketed:											
Grain, soybeans	2,539	2,488	2,434	2,410	2,362	3,006	12,744	14,948	17,790	19,777	18,234
Dairy products	971	495	487	470	451	5,126	8,376	11,592	13,666	15,052	15,776
Fruits and vegetables	499	405	400	388	384	1,776	2,730	3,925	4,209	4,496	4,501
Livestock and livestock products	546	449	449	435	429	2,154	2,614	5,141	5,637	5,196	5,194
Sugar products	66	46	45	41	48	634	2,065	1,209	1,712	1,925	1,519
Cotton and cotton products	554	473	470	460	476	434	935	1,436	1,860	2,099	1,733
Supplies purchased:											
Feed	4,214	3,796	3,613	3,603	3,553	1,279	2,587	3,189	3,544	3,531	3,341
Fertilizer	4,294	3,972	3,802	3,789	3,732	657	1,913	2,755	3,454	3,676	3,407
Petroleum products	2,774	3,062	2,921	2,911	2,871	864	1,675	3,827	5,069	5,646	5,502
Farm chemicals	3,721	3,877	3,697	3,684	3,627	165	502	948	1,048	1,275	1,336
Seed	4,007	3,805	3,620	3,607	3,550	142	337	456	495	575	555

[1] Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. [2] Excludes nonvoting patrons. [3] Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

No. 1148. Food Manufacturing Industry—Summary: 1970 to 1983

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, p. 388]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total employees [1]	1,000	1,786	1,658	1,689	1,711	1,724	1,733	1,708	1,671	1,636	1,622
Production workers	1,000	1,207	1,120	1,145	1,161	1,174	1,191	1,175	1,150	1,126	1,118
Avg. hourly earnings, prod. workers	Dollars	3.16	4.61	4.98	5.37	5.80	6.27	6.85	7.44	7.92	8.20
Salaries and wages	Bil. dol.	11.7	15.9	17.3	18.5	20.3	21.7	23.2	24.7	[2] 26.1	(NA)
Supplemental labor cost [3]	Bil. dol.	(NA)	2.6	3.0	3.6	4.1	4.5	4.9	5.4	(NA)	(NA)
Value added by manufacture [4]	Bil. dol.	32.3	48.1	52.8	56.1	62.9	68.7	75.5	80.8	(NA)	(NA)
Cost of materials	Bil. dol.	66.5	123.8	128.6	137.0	154.0	168.0	181.4	191.6	[2] 192.1	(NA)
Value of shipments [5]	Bil. dol.	98.5	172.2	180.9	192.9	216.1	236.0	256.2	272.1	[2] 281.0	(NA)
Total assets	Bil. dol.	23.8	33.0	35.1	38.4	41.7	44.6	48.6	48.8	(NA)	(NA)
Capital expenditures, new [6]	Bil. dol.	2.1	3.4	3.8	4.2	4.8	5.0	5.8	6.0	[2] 6.8	(NA)
Funds for research and development [7]	Mil. dol.	230	335	355	415	472	528	620	(D)	(D)	(D)
Corporate profits before taxes [8]	Bil. dol.	4.8	8.8	9.7	9.2	10.2	11.5	13.0	14.3	13.3	14.8
Corporate profits after taxes [8]	Bil. dol.	2.6	5.2	5.8	5.6	6.2	7.3	8.2	9.1	8.4	9.4
Ratio of profits to stockholders' equity	Percent	10.8	14.4	14.9	13.3	13.8	14.7	14.7	14.0	13.0	12.2
Profits per dollar of sales [9]	Cents	2.5	3.2	3.5	3.1	3.2	3.3	3.4	3.2	3.1	3.3

D Data withheld to avoid disclosure. NA Not available. [1] See headnote, table 696. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. [2] Preliminary. [3] Employers' expenses for legally required labor supplements (e.g., Social Security) and for voluntary programs (e.g., pension funds). [4] See footnote 6, table 1337. [5] See footnote 7, table 1337. [6] Includes expenditures for plants in operation and plants under construction but not yet in operation. [7] Source: U.S. National Science Foundation, *Research and Development in Industry*, annual. [8] Source: Through 1981, U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations.* Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. [9] After tax profit rates are averages of quarterly figures at annual rates.

Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1977, General Summary; 1982 Census of Manufactures, Preliminary Statistics;* and *Annual Survey of Manufactures.*

No. 1149. U.S. Total Food and Alcoholic Beverage Expenditures, by Type of Use and Seller: 1970 to 1983

[Covers all food and alcohol purchased by civilians and military, including businesses and institutions. Based on sales of food by different types of seller. Data are primarily based on current sales figures from the *Monthly Retail Trade Report* of the U.S. Bureau of the Census. For further detail, see source]

TYPE OF USE AND SELLER	EXPENDITURES (bil. dol.)								PERCENT		
	1970	1975	1978	1979	1980	1981	1982	1983 [1]	1970	1980	1983 [1]
Total food expenditures	**116.9**	**188.5**	**245.5**	**276.8**	**306.0**	**331.1**	**349.4**	**369.3**	**100.0**	**100.0**	**100.0**
Food for off-premise use	77.5	120.8	150.1	168.2	186.5	200.4	209.8	217.6	66.3	60.9	58.9
Sales, total	73.4	114.8	143.6	161.2	179.0	192.2	200.4	208.3	62.8	58.5	56.4
Food stores [2]	65.5	104.2	130.8	147.2	163.7	175.8	183.4	190.5	56.0	53.5	51.6
Other stores [3]	3.8	6.4	8.5	9.4	10.3	11.2	11.8	12.5	3.3	3.4	3.4
Farmers, manufacturers, wholesalers	1.8	2.2	2.6	3.0	3.3	3.5	3.7	3.8	1.5	1.1	1.0
Home delivered [4]	2.4	2.0	1.7	1.7	1.7	1.6	1.6	1.5	2.1	.5	.4
Home production, donations	4.1	6.0	6.5	7.0	7.5	8.2	9.4	9.3	3.5	2.4	2.5
Meals and snacks	39.4	67.7	95.4	108.6	119.5	130.7	139.6	151.7	33.7	39.1	41.1
Eating and drinking places [5]	22.6	41.2	60.7	69.7	76.6	83.8	90.3	100.5	19.3	25.0	27.2
Schools and colleges [6]	4.5	7.1	9.0	9.9	11.1	11.8	12.5	13.2	3.8	3.6	3.6
Retail stores, direct selling [7]	3.3	5.1	6.4	7.2	8.1	8.6	8.8	9.1	2.8	2.6	2.5
Hotels and motels [5]	1.9	3.2	4.9	5.7	6.1	7.0	7.3	7.4	1.6	2.0	2.0
Recreational places [8]	.7	1.4	2.0	2.3	2.6	2.8	3.0	3.2	.6	.9	.9
Other	6.5	9.8	12.2	13.7	15.0	16.6	17.6	18.3	5.6	4.9	5.0
Total alcoholic beverage sales	**22.0**	**32.1**	**40.7**	**46.1**	**51.5**	**55.3**	**57.6**	**60.0**	**100.0**	**100.0**	**100.0**
Off-premise use	12.9	19.4	24.0	26.9	30.4	32.5	34.0	35.1	58.6	59.0	58.5
Liquor stores	7.7	11.1	13.0	14.7	16.5	17.6	18.3	18.6	35.0	32.0	31.0
Food stores	4.2	6.7	8.8	9.9	11.2	12.1	12.7	13.4	19.1	21.8	22.3
Other	1.1	1.6	2.1	2.4	2.6	2.9	3.0	3.1	5.0	5.2	5.2
On-premise use	9.1	12.7	16.8	19.2	21.2	23.0	23.7	24.9	41.4	41.0	41.5
Eating and drinking places [5]	7.7	10.5	13.6	15.5	17.2	18.5	19.0	20.1	35.0	33.3	33.5
Hotels and motels [5]	.8	1.3	2.0	2.4	2.6	2.9	3.1	3.1	3.6	5.0	5.2
Other	.7	.9	1.1	1.3	1.4	1.5	1.6	1.7	3.2	2.7	2.8

[1] Preliminary. [2] Excludes sales to restaurants and institutions. [3] Includes eating and drinking establishments and trailer parks. [4] Includes mail order. [5] Includes tips. [6] Includes school food subsidies. [7] Includes vending machine operators. [8] Motion picture theaters, sports arenas, camps, golf and country clubs, etc.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures* (Statistical Bulletin 702), December 1983, and unpublished data.

No. 1150. Civilian Consumer Expenditures for Farm Foods—Farm Value and Marketing Bill: 1960 to 1983

[In billions of dollars, except percent. Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 358-360 for data before revisions]

ITEM	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983
Consumer expenditures, total	**66.9**	**81.1**	**110.6**	**167.0**	**216.9**	**245.2**	**264.4**	**287.7**	**298.9**	**315.0**
Farm value, total	22.3	27.1	35.5	55.6	69.5	79.2	81.7	83.2	83.7	84.9
Marketing bill, total [1]	44.6	54.0	75.1	111.4	147.4	166.1	182.7	204.5	215.2	230.1
Percent of total consumer expenditures	*66.7*	*66.6*	*67.9*	*66.7*	*68.0*	*67.7*	*69.1*	*71.1*	*72.0*	*73.0*
At-home expenditures [2]	50.0	60.5	78.0	116.2	150.2	169.4	180.1	194.0	196.8	204.6
Farm value	18.7	22.6	29.1	44.0	56.4	64.5	66.2	67.0	66.8	67.5
Marketing bill [1]	31.3	37.9	48.9	72.2	93.9	104.9	113.9	127.0	129.9	137.1
Percent of at-home expenditures	*62.6*	*62.6*	*62.8*	*62.1*	*62.5*	*61.9*	*63.2*	*65.5*	*66.0*	*67.0*
Away-from-home expenditures	16.9	20.6	32.6	50.8	66.7	75.8	84.3	93.7	102.2	110.4
Farm value	3.7	4.5	6.4	11.6	13.1	14.7	15.5	16.3	16.9	17.4
Marketing bill [1]	13.2	16.1	26.2	39.2	53.6	61.1	68.8	77.5	85.3	93.0
Percent of away-from-home expenditures	*78.1*	*78.2*	*80.5*	*77.2*	*80.4*	*80.6*	*81.6*	*82.7*	*83.5*	*84.2*
Marketing bill cost components:										
Labor cost [3]	19.7	23.3	32.2	48.3	66.2	75.2	81.5	91.0	96.6	102.5
Packaging materials	5.4	6.2	8.2	13.3	16.6	18.6	21.0	22.8	23.2	24.4
Rail and truck transport [4]	4.1	4.2	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.5
Corporate profits before taxes	2.1	3.0	3.6	7.1	9.2	9.9	10.9	12.0	13.0	14.8
Fuels and electricity	13.3	17.3	2.2	4.6	6.3	8.0	9.9	11.6	12.2	12.7
Other [5]			23.7	29.7	38.6	42.6	46.4	52.8	55.5	60.2
Processing	15.1	16.8	28.7	40.9	56.8	64.5	69.8	76.1	77.6	81.7
Wholesaling	5.5	6.6	8.7	13.5	17.1	19.0	20.7	23.9	25.1	27.6
Transportation	4.1	4.3	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.5
Retailing	19.9	26.3	31.5	48.6	63.0	70.8	79.2	90.2	97.8	105.3
SELECTED FOOD COMMODITY GROUPS										
Beef: Total expenditures	10.0	13.0	19.9	28.6	42.8	48.2	49.8	52.4	54.0	56.3
Farm value	5.0	6.2	9.5	12.8	19.1	22.2	21.8	21.3	21.0	21.0
Percent of total	*50.0*	*47.7*	*47.4*	*44.8*	*44.6*	*46.1*	*43.8*	*40.6*	*38.9*	*37.3*
Marketing bill [1]	*5.0*	*6.8*	*10.4*	*15.8*	*23.8*	*26.0*	*28.0*	*31.1*	*33.0*	*35.3*
Pork: Total expenditures	7.2	8.0	12.4	16.8	23.3	28.2	29.0	31.3	32.3	35.3
Farm value	2.7	3.5	4.3	7.3	8.1	8.4	8.2	9.1	9.8	9.6
Percent of total	*37.5*	*43.8*	*34.7*	*43.4*	*34.8*	*29.8*	*28.3*	*29.1*	*30.3*	*27.2*
Marketing bill [1]	4.5	4.5	8.1	9.5	15.2	19.8	20.8	22.2	22.6	25.7
Poultry and eggs:										
Total expenditures	5.2	6.2	9.1	12.7	15.2	17.4	18.3	19.9	20.3	21.7
Farm value	2.9	3.1	4.0	6.3	7.3	8.1	8.3	8.8	8.5	9.2
Percent of total	55.9	49.5	44.0	49.6	48.1	46.6	45.4	44.2	41.9	42.4
Marketing bill [1]	2.3	3.1	5.1	6.4	7.9	9.3	10.0	11.1	11.8	12.5
Fluid milk and cream:										
Total expenditures	7.0	7.4	8.9	11.4	11.8	14.7	14.1	14.8	13.8	14.4
Farm value	2.8	3.0	3.9	5.3	5.8	6.6	7.1	7.1	6.8	6.7
Percent of total	39.4	40.5	43.8	46.5	48.9	44.9	50.4	48.0	49.3	46.5
Marketing bill [1]	4.3	4.4	5.0	6.1	6.0	8.1	7.0	7.7	7.1	7.7
Other dairy products:										
Total expenditures	5.0	5.6	7.8	12.0	18.4	18.8	23.7	26.7	28.2	30.6
Farm value	1.9	2.1	3.0	4.7	6.9	8.0	9.0	9.9	9.9	10.5
Percent of total	38.0	37.5	38.5	39.2	37.5	42.6	38.0	37.0	35.1	34.3
Marketing bill [1]	3.1	3.5	4.8	7.3	11.4	10.8	14.7	16.8	18.3	20.1
Fresh fruit, vegetables:										
Total expenditures	7.5	8.7	11.0	15.4	21.9	24.6	25.4	28.0	29.6	30.2
Farm value	2.3	2.7	3.1	5.0	5.6	6.0	6.7	7.6	7.6	7.0
Percent of total	30.7	31.0	28.2	32.7	24.2	24.4	26.4	27.1	25.7	23.2
Marketing bill [1]	5.2	6.0	7.9	10.4	16.3	18.6	18.7	20.4	21.9	23.2
Processed fruits and vegetables:										
Total expenditures	7.3	9.1	11.6	18.2	23.7	26.6	28.3	32.3	34.3	36.3
Farm value	1.2	1.8	2.0	3.5	4.5	4.9	4.9	5.7	6.2	6.0
Percent of total	16.4	19.8	17.2	19.2	18.8	18.4	17.3	17.6	18.1	16.5
Marketing bill [1]	6.0	7.3	9.6	14.7	19.3	21.7	23.4	26.6	28.1	30.3
Bakery, grain mill products:										
Total expenditures	9.4	11.2	13.6	24.2	27.5	31.6	35.2	37.9	39.7	40.2
Farm value	1.4	1.9	2.0	4.2	3.8	4.8	5.1	5.0	4.8	4.9
Percent of total	14.5	16.7	14.7	17.4	13.8	15.2	14.5	13.1	12.1	12.2
Marketing bill [1]	8.0	9.4	11.6	20.0	23.7	26.8	30.1	32.9	34.9	35.3

[1] The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. [2] Food primarily purchased from retail food stores for use at home. [3] Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. [4] Excludes local hauling. [5] Represents advertising, rents, depreciation, interest on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review, 1983*, AER No. 514, June 1984; *Food Consumption, Prices, and Expenditures, 1963-1983*, SB-713, November 1984; *Agricultural Outlook*, periodic; and *Agricultural Statistics*, annual.

No. 1151. Selected Indexes of Farm Inputs: 1960 to 1983

[1977=100. Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 486-495 for data before revisions]

INPUT	1960	1965	1970	1975	1976	1978	1979	1980	1981	1982	1983 [1]
Total	**98**	**96**	**97**	**96**	**99**	**102**	**105**	**103**	**102**	**100**	**95**
Farm labor	207	156	126	107	103	95	93	92	90	87	79
Farm real estate [2]	103	102	104	97	98	100	100	101	101	101	100
Mechanical power and machinery	83	80	85	96	98	104	107	104	102	99	93
Agricultural chemicals [3]	32	49	75	83	96	107	118	120	121	111	95
Feed, seed, and livestock purchases [4]	77	86	96	93	101	104	111	108	105	104	101
Taxes and interest	95	101	102	100	102	99	103	100	99	100	101
Miscellaneous	77	85	89	82	90	105	117	99	111	121	114

[1] Preliminary. [2] Includes service buildings, improvements. [3] Includes fertilizer, lime, and pesticides.
[4] Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

No. 1152. Farm Machinery and Equipment: 1960 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Value of farm implements and machinery [1]	Bil. dol.	22.7	24.8	32.3	54.7	64.0	71.0	77.0	85.1	96.8	102.5	108.8	111.0
Number on farms, Jan. 1: [2]													
Tractors [3]	1,000	4,688	4,787	4,619	4,469	4,434	4,402	5,050	4,989	4,880	4,740	4,655	4,615
Horsepower	Mil.	153	176	203	222	228	232	264	266	269	275	275	273
Motortrucks	1,000	2,834	3,030	2,984	3,032	3,043	3,044	3,450	3,555	3,734	3,972	4,050	4,050
Grain combines	1,000	1,042	910	790	524	527	535	660	664	669	671	674	674
Corn pickers [4]	1,000	792	690	635	615	610	605	695	694	690	687	685	685
Pickup balers	1,000	680	751	708	667	641	615	770	769	766	761	758	755
Field forage harvesters	1,000	291	316	304	255	263	270	302	301	301	300	298	295
Farmers' expenditures:													
Motor vehicles [5]	Mil. dol.	1,344	1,940	2,030	3,833	4,604	4,927	5,580	6,284	5,813	5,652	4,784	4,572
Machinery, equipment	Mil. dol.	1,458	2,239	2,888	4,820	5,393	5,585	7,158	8,002	6,956	6,481	5,247	4,695
Retail sales: [6]													
Tractors, total [7]	1,000	(NA)	162.5	135.5	161.1	153.2	130.9	139.6	139.0	119.3	103.8	77.2	71.3
2-wheel drive	1,000	(NA)	162.5	135.5	150.5	142.7	123.2	130.9	127.5	108.4	94.1	70.4	66.2
4-wheel drive	1,000	(NA)	(NA)	(NA)	10.6	10.5	7.7	8.7	11.5	10.9	9.7	6.8	5.1
Combines	1,000	(NA)	37.6	26.7	33.1	32.5	28.8	31.5	32.3	25.7	26.8	16.2	12.8
Corn heads	1,000	(NA)	22.9	18.5	25.4	25.4	20.7	21.2	22.4	17.2	15.7	9.3	6.6
Field forage harvesters	1,000	(NA)	(NA)	15.0	13.1	13.3	13.2	11.5	12.5	9.5	7.6	5.1	4.1

NA Not available. [1] Farm inventory valuations at beginning of year. Includes family automobiles. [2] 1978 data are not directly comparable with totals for 1974 or earlier agriculture census years; see text, p. 630. For all non-census years, data are estimated using prior census as reference point. [3] Excludes garden tractors. [4] Includes picker-shellers. [5] For farm business use. [6] Source: Farm and Industrial Equipment Institute, Chicago, IL, unpublished data. [7] Beginning 1977, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual. Also in *Agricultural Statistics*, annual.

No. 1153. Agricultural Chemicals Used on Farms: 1978 and 1982

TYPE OF CHEMICAL	1978			1982		
	Farms reporting (1,000)	Acres treated (1,000)	Cost (mil. dol.)	Farms reporting (1,000)	Acres treated (1,000)	Cost (mil. dol.)
Total	**[1] 1,804**	(x)	**9,220**	**[1] 1,596**	(x)	**[2] 11,972**
Commercial fertilizer	1,628	226,348	6,331	1,444	224,635	7,689
Limer	338	16,494		270	11,607	(NA)
Chemicals for defoliation or growth control of crops	82	9,267		74	9,322	
Sprays, dusts, etc. for—						
Insects on hay and other crops	584	75,868	2,890	530	72,848	4,282
Nematodes in crops	104	8,805		77	7,539	
Crop diseases	129	11,415		126	11,685	
Weeds or grass in crops and pasture	960	164,617		872	176,871	

X Not applicable. [1] If more than 1 subentry was applicable, the farm was tabulated in each. [2] Excludes cost of lime.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1154. Commercial Fertilizers Consumed: 1960 to 1983

[In millions of tons, except percent. For years ending June 30. Includes Puerto Rico. Percent nutrient content excludes secondary and micronutrients. See *Historical Statistics, Colonial Times to 1970*, series K 193, for related but not comparable data]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
All fertilizers	24.9	31.8	39.6	42.5	49.2	51.6	47.5	51.5	52.8	54.0	48.7	42.3
Percent: Nitrogen	11.7	15.3	19.5	21.2	22.2	21.7	21.8	21.7	22.6	23.0	23.4	22.6
Phosphoric oxide	10.9	11.6	11.9	11.1	11.2	11.5	11.2	11.4	10.8	10.5	10.3	10.2
Potash	9.2	9.4	10.5	11.0	11.1	11.9	12.1	12.7	12.4	12.2	12.0	11.9
Mixed fertilizers	15.7	18.6	21.0	20.6	23.0	24.0	22.1	23.7	23.3	23.5	20.9	18.8
Percent: Nitrogen	6.5	7.8	9.3	10.2	10.5	10.6	10.7	10.8	10.8	11.0	11.2	11.6
Phosphoric oxide	*13.0*	*15.2*	*17.7*	*18.0*	*19.3*	*19.9*	*19.6*	*20.1*	*19.6*	*20.1*	*20.4*	*19.7*
Potash	12.1	*12.4*	*12.7*	*12.5*	*12.5*	*12.8*	*12.8*	*12.8*	*13.1*	*12.8*	*12.4*	*12.2*
Primary nutrient materials	7.9	11.8	17.3	20.0	23.9	25.0	23.5	25.6	27.2	28.2	26.1	21.9
Secondary and micronutrients	1.4	1.5	1.3	1.9	2.3	2.5	1.9	2.1	2.3	2.2	1.8	1.6

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Commercial Fertilizers, Consumption in the United States*, annual. Also in *Agricultural Statistics*, annual.

No. 1155. Hired Farmworkers—Workers and Earnings: 1970 to 1981

[Represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, pp. 1 and 2 and Appendix III. For composition of regions, see fig. I, inside front cover. For definition of median, see *Guide to Tabular Presentation*]

CHARACTERISTIC	WORKERS (1,000)									MEDIAN EARNINGS PER DAY			
	1970	1975	1979	1981						1970	1975	1979	1981
				Total	Duration of farmwork								
					Under 25 days	25–74 days	75–149 days	150–249 days	250 days and over				
All workers	**2,488**	**2,638**	**2,652**	**2,492**	**969**	**538**	**310**	**261**	**394**	**$9.30**	**$14.80**	**$20.99**	**$23.83**
White [1]	1,940	1,907	1,976	1,824	781	409	198	150	285	9.70	14.75	20.24	21.79
Black and other [1]	547	446	355	340	119	73	40	61	48	8.00	13.90	22.85	23.92
Hispanic	(NA)	285	320	328	69	57	72	70	61	(NA)	17.10	27.13	29.46
Northeast	241	227	188	204	63	50	24	22	44	9.95	14.00	16.63	20.13
Midwest	590	674	785	688	345	136	86	48	74	9.20	14.45	20.01	23.68
South	1,093	1,074	1,071	1,004	398	221	110	120	155	8.35	14.10	20.33	20.76
West	564	664	607	595	163	132	90	90	121	11.75	18.00	25.27	29.90
Migratory	196	188	217	115	24	37	12	28	15	(NA)	(NA)	(NA)	(NA)
Nonmigratory	*2,291*	*2,450*	*2,435*	*2,377*	*945*	*501*	*299*	*253*	*379*	(NA)	(NA)	(NA)	(NA)
14–17 years old	819	835	707	605	332	187	49	25	10	(NA)	10.35	16.63	17.03
18–24 years old	539	733	802	760	279	191	106	79	106	(NA)	17.75	23.16	24.83
25–34 years old	322	393	458	498	168	80	67	71	111	(NA)	21.95	23.17	27.48
35–44 years old	254	219	281	236	59	29	34	31	83	(NA)	21.70	24.34	27.30
45–54 years old	247	193	163	180	52	27	20	31	49	(NA)	19.40	25.69	24.49
55–64 years old	173	144	128	104	24	9	16	32	22	(NA)	19.60	20.25	25.44
65 years and over	133	120	114	108	55	14	18	10	11	(NA)	11.70	19.84	24.76

NA Not available. [1] Beginning 1975, excludes persons of Hispanic origin. 1970 data not comparable with later years.
Source: U.S. Dept. of Agriculture, Economic Research Service, The Hired Farm Working Force, periodic.

No. 1156. Farm Labor—Annual Average Labor-Hours Per Unit of Production, Selected Crops and Livestock: 1960–1964 to 1978–1982

[See also *Historical Statistics, Colonial Times to 1970*, series K 445–485]

CROP AND ITEM	1960–1964	1970–1974	1978–1982
Corn for grain: Hours per acre [1]	7.0	4.3	3.4
Yield per acre (bu.)	62.2	84.0	105.2
Hours per 100 bushel	11	5	3
Wheat: Hours per acre [1]	3.0	2.9	2.7
Yield per acre (bu.)	25.2	31.0	34.0
Hours per 100 bushel	12	9	8
Hay: Hours per acre [1]	5.0	3.7	3.2
Yield per acre (sh. tons)	1.77	2.12	2.36
Hours per sh. ton	2.8	1.8	1.4
Potatoes: Hours per acre [1]	48.0	41.6	35.4
Yield per acre (cwt)	195	234	270
Hours per sh. ton	*5*	*4*	*3*
Cotton: Hours per acre [1]	47	18	6
Yield per acre (lb.)	475	470	483
Hours per bale	47	18	6

CROP AND ITEM	1960–1964	1970–1974	1978–1982
Tobacco: Hours per acre [2]	493	298	237
Yield per acre (1,000 lb.)	1.9	2.0	2.0
Hours per 100 lb	26	14	12
Milk cows: Hours per cow	93	62	35
Milk per cow (cwt)	75	101	118
Hours per cwt of milk	1.2	.6	.3
Cattle, exc. milk cows:			
Hours per cwt of beef produced [3]	2.6	1.7	1.1
Hogs: Hours per cwt produced [3]	1.9	1.0	.4
Chickens: [4] Hours per 100 layers	126	78	53
Rate of lay [5]	212	225	241
Hours per 100 eggs produced	.6	.3	.2
Broilers: Hours per 100 birds	*3*	*1*	*4*
Hours per cwt produced [3]	.8	.3	.1
Turkeys: Hours per cwt produced [3]	2.4	.8	.3

[1] Labor-hours per acre harvested, including preharvest work on acreages abandoned, grazed, and turned under. [2] Per acre planted and harvested. [3] Liveweight production. [4] Laying flocks and eggs. [5] Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1157. Farm Productivity—Labor-Hours and Indexes of Farm Output per Hour: 1960 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series K 407-413, K 430-444, and W 67-81]

ITEM	1960	1965	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983, prel.
Hours of labor required on farms [1] (bil.)	**9.8**	**7.3**	**5.9**	**5.2**	**5.0**	**4.8**	**4.4**	**4.3**	**4.3**	**4.2**	**4.0**	**3.7**
All productive livestock (bil.)	3.8	3.0	2.3	1.8	1.7	1.6	1.4	1.3	1.3	1.2	1.1	1.1
All crops [2] (bil.)	4.6	3.4	2.8	2.7	2.6	2.6	2.4	2.4	2.4	2.4	2.4	2.1
Farm maintenance [3] (bil.)	1.4	.9	.8	.7	.7	.6	.6	.6	.6	.6	.5	.5
INDEX (1977=100)												
Farm output per hour	**37**	**52**	**66**	**79**	**89**	**94**	**108**	**119**	**112**	**131**	**131**	**118**
All livestock and products	32	45	64	82	85	93	109	117	129	136	143	154
Meat animals	40	51	67	84	87	94	108	117	127	136	138	147
Milk cows	27	39	57	75	81	91	109	122	135	148	164	187
Poultry	25	40	55	76	81	94	109	119	126	135	142	152
All crops	41	56	70	80	89	91	105	118	104	120	126	105
Feed grains	33	52	62	75	90	95	111	125	107	132	136	96
Hay and forage	43	60	74	87	94	90	109	115	109	120	129	123
Food grains	73	79	93	89	101	98	104	115	116	127	130	131
Vegetables	69	79	91	97	93	100	104	109	113	117	118	119
Fruits and nuts	61	76	84	96	97	101	103	104	112	108	114	113
Sugar crops	52	58	79	82	97	100	103	103	104	111	108	109
Cotton	13	23	31	47	57	70	100	132	103	145	149	138
Tobacco	46	51	79	98	97	101	109	99	104	117	122	104
Oil crops	52	59	72	76	88	84	98	110	99	110	115	95
Cropland used for crops [4]	**94**	**89**	**88**	**96**	**97**	**98**	**97**	**100**	**102**	**103**	**102**	**88**
Crop production per acre	77	85	88	88	96	94	105	113	99	113	116	99

[1] Represents labor used on crops, livestock, and farm maintenance. [2] Beginning 1965, excludes work on farm gardens. [3] Beginning 1965, excludes work on horses and mules. [4] Harvested acreages plus acreages of crop failure and summer fallow.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

No. 1158. Farm Output Indexes and Acreage of Principal Crops: 1960 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series K 414-429]

ITEM	1960	1965	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983, prel.
INDEX (1977=100)												
Farm output [1]	76	82	84	88	95	97	104	111	103	118	114	93
Per unit of total input	77	86	87	90	99	98	102	106	101	116	114	98
Gross production:												
Livestock and products [2]	82	89	99	100	95	99	101	104	108	109	107	109
Meat animals	80	87	102	104	97	100	100	103	107	106	101	103
Dairy products	95	99	95	94	94	98	99	101	105	108	110	114
Poultry and eggs	68	81	93	94	92	98	106	114	115	119	119	120
Crops [3]	72	76	77	84	93	92	102	113	101	116	118	87
Feed grains	69	70	71	74	91	96	108	116	97	121	124	66
Hay and forage	83	91	92	96	100	94	106	108	98	106	110	100
Food grains	66	67	69	91	108	107	93	108	121	144	140	116
Vegetables	88	94	96	101	97	99	103	107	104	109	113	105
Fruits and nuts	69	74	81	94	98	96	99	105	119	111	111	107
Sugar crops	60	80	95	89	114	112	101	94	97	107	96	93
Cotton	102	107	72	82	56	74	76	102	79	109	85	54
Tobacco	102	97	100	104	114	112	106	80	93	108	104	75
Oil crops	38	53	66	71	86	74	105	129	99	114	124	88
ACREAGE, PRINCIPAL CROPS (millions of acres)												
Planted or grown	324	298	293	328	336	337	338	349	352	366	363	305
Harvested	317	292	289	322	330	330	330	340	341	353	349	293

[1] Annual production available for eventual human use. [2] Includes livestock products not shown separately and excludes horses and mules. [3] Includes crops not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

No. 1159. Agricultural Exports and Imports—Value: 1960 to 1983

[In **billions of dollars, except percent.** Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255]

YEAR	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports
1960-1964, avg.	5.4	24	3.9	24	1974	21.9	23	10.2	10
1965-1969, avg.	6.3	20	4.6	16	1975	21.9	21	9.3	10
1970-1974, avg.	12.8	21	7.3	12	1976	23.0	20	11.0	9
1975-1979, avg.	26.5	20	13.0	11	1977	23.6	20	13.4	9
1960	4.8	24	3.8	25	1978	29.4	21	14.8	9
1965	6.2	23	4.1	19	1979	34.7	19	16.7	8
1970	7.3	17	5.8	15	1980	41.2	19	17.4	7
1971	7.7	18	5.8	13	1981	43.3	19	16.8	6
1972	9.4	19	6.5	12	1982	36.6	18	15.4	6
1973	17.7	25	8.4	12	1983	36.1	18	16.6	6

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

No. 1160. Agricultural Exports—Value, by Principal Commodities and Selected Countries of Destination: 1970 to 1983

[See headnote, table 1159. Data by country of destination not adjusted for transshipments]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1978	1979	1980	1981	1982	1983	1970	1980	1983
Total agricultural exports [1]	**7,259**	**21,859**	**29,384**	**34,749**	**41,233**	**43,339**	**36,623**	**36,098**	**100.0**	**100.0**	**100.0**
Grains and preparations [2]	2,582	11,619	11,585	14,406	17,991	19,390	14,649	15,021	35.6	43.6	41.6
Feed grains and products	1,093	5,283	5,909	7,796	9,831	9,494	6,527	7,352	15.1	23.8	20.4
Corn	818	4,422	5,257	6,977	8,492	7,935	5,582	6,367	11.3	20.6	17.6
Wheat and products	1,136	5,353	4,602	5,586	6,660	8,150	6,928	6,561	15.6	16.2	18.2
Rice	313	858	932	854	1,289	1,527	997	926	4.3	3.1	2.6
Oilseeds and products [2]	1,931	4,452	8,175	8,887	9,393	9,555	9,141	8,716	26.6	22.8	24.1
Soybeans	1,228	2,865	5,208	5,701	5,880	6,186	6,218	5,913	16.9	14.3	16.4
Soybean oil cake and meal	344	639	1,242	1,416	1,665	1,589	1,411	1,527	4.7	4.0	4.2
Vegetable oils and waxes	295	635	970	1,155	1,216	1,077	952	888	4.1	2.9	2.5
Soybean oil	194	269	569	769	689	474	486	424	2.7	1.7	1.2
Animals and animal products [2]	865	1,686	3,032	3,765	3,768	4,239	3,935	3,785	11.9	9.1	10.5
Hides and skins, incl. furskins	187	407	914	1,332	1,046	1,024	1,022	1,010	2.6	2.5	2.8
Cattle hides	130	260	629	906	623	617	704	742	1.8	1.5	2.1
Meats and meat products	132	432	743	853	890	997	978	916	1.8	2.2	2.5
Fats, oils, and greases	246	360	599	740	769	760	663	600	3.4	1.9	1.7
Poultry and poultry products	82	157	341	409	603	770	515	428	1.1	1.5	1.2
Cotton, excluding linters	372	991	1,740	2,198	2,864	2,260	1,955	1,817	5.1	6.9	5.0
Tobacco, unmanufactured	517	852	1,356	1,183	1,334	1,457	1,547	1,462	7.1	3.2	4.1
Fruits and preparations	334	699	1,014	1,127	1,335	1,497	1,376	1,349	4.6	3.2	3.7
Fresh fruits	164	404	565	646	739	855	796	829	2.3	1.8	2.3
Feeds and fodders	138	313	609	838	1,126	1,066	1,037	1,230	1.9	2.7	3.4
Vegetables and preparations	219	505	703	764	1,188	1,553	1,174	980	3.0	2.9	2.7
Nuts and preparations	69	169	324	584	757	581	541	496	1.0	1.8	1.4
Other	232	573	846	997	1,477	1,741	1,268	1,242	3.2	3.6	3.4
Asia [1]	2,670	7,620	10,295	12,109	14,886	15,777	13,616	14,025	36.8	36.1	38.9
Japan	1,214	3,082	4,435	5,255	6,111	6,562	5,547	6,240	16.7	14.8	17.3
Korea, Rep. of	224	830	1,148	1,441	1,797	2,008	1,581	1,840	3.1	4.4	5.1
China:											
Mainland	(z)	80	573	990	2,210	1,956	1,498	544	(z)	5.4	1.5
Taiwan	134	565	825	1,074	1,095	1,145	1,155	1,308	1.8	2.7	3.6
Western Europe [1 3]	2,532	7,164	9,115	9,912	11,744	11,905	11,104	9,854	34.9	28.5	27.3
European Economic Community [4]	2,133	5,704	7,312	7,849	9,236	9,059	8,273	7,298	29.4	22.4	20.2
Netherlands	526	1,722	2,346	2,624	3,412	3,301	3,042	2,530	7.2	8.3	7.0
Germany, Fed. Rep. of	529	1,564	1,497	1,399	1,831	1,759	1,448	1,529	7.3	4.4	4.2
United Kingdom	411	588	1,023	1,057	928	960	896	812	5.7	2.3	2.2
Italy	210	798	995	1,005	1,094	1,181	941	713	2.9	2.7	2.0
France	164	406	565	726	748	624	612	485	2.3	1.8	1.3
Spain	143	776	822	930	1,129	1,267	1,458	1,138	2.0	2.7	3.2
Portugal	35	261	372	485	608	757	576	660	.5	1.5	1.8
Latin America [1]	688	2,274	3,158	3,687	6,150	6,367	4,438	5,211	9.5	14.9	14.4
Mexico	155	586	903	1,024	2,468	2,432	1,156	1,942	2.1	6.0	5.4
Venezuela	98	277	387	494	701	893	671	665	1.4	1.7	1.8
Soviet Union	16	1,133	1,687	2,855	1,047	1,665	1,855	1,457	.2	2.5	4.0
Eastern Europe	169	616	1,120	1,933	2,071	1,654	633	819	2.3	5.0	2.3
Canada	826	1,304	1,621	1,650	1,852	1,989	1,605	1,829	11.4	4.5	5.1
Africa	254	1,134	1,556	1,581	2,179	2,766	2,195	2,398	3.5	5.3	6.6
Egypt	26	425	554	601	770	967	800	943	.4	1.9	2.6

Z Less than $500,000 or .05 percent. [1] Includes areas not shown separately. [2] Includes commodities not shown separately. [3] As of Jan. 1, 1982, includes Canary Islands and Madeira Islands. For consistency, data for all years are shown on same basis. [4] Includes data for Belgium, Luxembourg, Denmark, Greece, and Ireland. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. For consistency, data for all years are shown on same basis.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

No. 1161. U.S. Sales and Donations Under Food for Peace (Public Law 480) Programs, Total, 1954 to 1983, and by Selected Country, 1975 to 1983

[In millions of dollars. For years ending June 30, except beginning 1977, ending Sept. 30]

TITLE AND PROGRAM	Total, 1954–1983	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	35,042	1,142	973	1,328	1,300	1,193	1,228	1,287	1,436	1,542	1,314	1,373
Title I sales (loans) [1]	21,705	711	577	868	902	735	767	746	843	774	690	773
Repayable in dollars	11,859	485	577	868	902	735	767	746	843	774	690	773
Repayable in foreign currencies	9,846	226	-	-	-	-	-	-	-	-	-	-
Title II donations	13,337	432	396	461	398	458	461	541	593	768	624	600
Voluntary relief agencies	8,170	181	196	266	299	326	319	374	340	471	456	422
Emergency relief and other [2]	5,167	250	200	194	99	132	143	167	253	297	168	178

REGION AND COUNTRY	1975		1979		1980		1981		1982		1983	
	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations
Total	867.5	460.6	746.0	541.0	843.0	593.0	774.3	768.3	890.0	624.0	773.0	600.0
Near East and South Asia [3]	603.8	183.6	401.4	218.6	432.9	165.2	387.8	268.6	390.2	253.6	367.1	213.1
Bangladesh	237.3	4.5	88.1	29.0	74.4	2.6	50.5	21.6	64.0	34.1	60.0	33.4
Egypt	104.5	12.8	230.7	22.4	285.3	16.1	272.5	28.9	262.0	31.9	238.3	16.8
India	121.6	106.1	-	137.6	-	118.3	-	170.6	-	123.3	-	120.5
Pakistan	79.5	5.4	38.0	3.2	47.5	10.6	47.5	28.8	47.5	50.0	47.5	28.3
Sri Lanka	24.5	5.4	16.3	4.6	23.8	5.1	17.3	7.4	16.7	5.6	21.4	8.3
East Asia [3]	180.7	36.1	135.7	24.4	124.8	75.9	70.6	56.0	15.8	24.3	31.5	21.0
Indonesia	34.8	11.5	88.7	7.5	96.3	17.4	45.0	16.2	15.8	7.8	31.5	8.1
Kampuchea	91.5	2.9	-	-	-	38.3	-	14.1	-	3.8	-	2.1
Korea, Rep. of	8.7	5.7	38.0	-	28.5	-	25.6	-	-	-	-	-
Philippines	-	10.8	9.0	14.8	-	18.8	-	24.1	-	12.6	-	10.7
Africa [3]	16.2	116.8	99.9	122.6	155.6	171.3	179.6	195.4	166.0	100.2	181.5	109.3
Ghana	-	2.8	9.5	5.1	12.1	3.6	12.1	6.9	7.0	6.3	-	5.1
Kenya	-	-	-	1.2	16.1	3.2	15.0	10.4	14.3	3.1	14.3	2.6
Morocco	-	12.7	9.7	11.2	5.8	9.9	25.0	16.2	35.0	13.4	27.5	12.7
Somalia	-	4.6	10.7	7.3	17.7	32.3	15.0	29.9	14.5	6.9	15.0	6.8
Sudan	-	8.2	19.0	1.8	25.0	1.3	30.0	4.9	25.0	1.9	50.0	1.0
Zaire	-	.4	17.0	4.4	15.7	.6	10.0	3.5	10.0	-	10.0	.9
Latin America [3]	66.8	61.0	71.3	86.9	92.1	59.9	88.7	90.7	117.7	59.8	192.4	76.2
Dominican Rep	-	5.5	13.9	6.8	15.0	4.7	14.4	4.4	16.2	3.1	23.0	2.3
El Salvador	-	1.6	-	2.9	3.0	2.5	26.2	9.1	19.9	7.7	39.0	7.8
Haiti	2.3	3.3	8.6	6.8	8.6	7.2	8.6	15.9	13.0	9.2	11.0	7.5
Jamaica	1.4	.2	10.0	.2	10.0	(z)	17.1	(z)	17.5	(z)	20.0	.1
Peru	-	6.4	20.0	15.3	19.0	14.0	19.0	23.5	16.2	-	29.0	26.9
Europe	-	.1	38.0	-	38.0	-	47.6	-	-	30.5	-	24.8
Poland	-	-	-	-	-	-	47.6	-	-	30.5	-	24.8
Portugal	-	-	38.0	-	38.0	-	-	-	-	-	-	-
All other [4]	-	81.0	-	107.8	-	121.1	-	157.6	-	155.6	-	155.0

- Represents zero. Z Less than $50,000. [1] Includes Title III, Food for Development program. [2] Includes economic development and world food programs. [3] Includes countries not shown separately. [4] Includes undistributed transportation cost.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

No. 1162. Agricultural Exports Under Specified Government-Financed Programs—Value, by Selected Commodities: 1960 to 1983

[In millions of dollars, except percent. Includes Puerto Rico. Sources of values for Government-financed programs are different from those for total exports; therefore, not fully comparable in regard to valuation, shipping period, etc. Entries for "Outside Government programs" are the residuals of the other two series]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Agricultural exports	4,832	6,229	7,259	21,859	23,636	29,384	34,749	41,233	43,339	36,623	36,098
Outside Government programs [1]	3,371	4,880	6,226	20,431	22,164	27,813	33,255	39,811	41,939	35,342	34,958
Under Government programs [2]	1,461	1,349	1,033	1,428	1,472	1,571	1,494	1,422	1,400	1,281	1,140
Percent of total	30.2	21.7	14.2	6.5	6.2	5.3	4.3	3.4	3.2	3.5	3.2
Wheat	638.4	739.0	313.3	556.6	374.6	426.8	478.5	423.6	415.3	504.2	477.7
Wheat flour	118.4	87.5	86.2	66.1	109.5	138.1	168.6	145.1	162.7	161.5	125.8
Corn	65.5	56.0	26.5	14.8	213.2	207.8	177.8	169.7	166.3	94.6	103.4
Rice	86.5	72.1	171.3	311.6	144.5	175.6	161.5	171.5	167.4	116.5	147.1
Cotton	230.4	114.6	115.4	32.5	17.8	15.2	17.6	12.6	3.2	11.2	9.9
Soybean oil	72.2	109.6	92.2	36.3	99.1	157.0	142.0	151.9	169.9	174.8	127.8
Milk, nonfat, dried	40.7	58.8	91.4	60.3	81.0	32.1	21.0	27.3	34.5	13.0	12.0

[1] Exports outside specified Government-financed programs include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of (*a*) short-term credits and credit guarantees extended by the Commodity Credit Corporation and the Export-Import Bank, (*b*) sales of Government-owned commodities below domestic market prices, and (*c*) export payments in cash or in kind through 1974. [2] Includes commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, monthly. Also in *Agricultural Statistics*, annual.

No. 1163. Selected Farm Products—U.S. and World Production and Exports: 1980 to 1982

[In metric tons, except as indicated. Production year, except as indicated. Metric ton=1.102 short tons or .984 long tons]

ITEM	Unit	United States: Total 1980	1981	1982	United States: As percent of world 1980	1981	1982	World 1980	1981	1982
PRODUCTION [1]										
Wheat	Mil	65	76	77	14.7	17.5	15.9	442	435	481
Corn for grain	Mil	169	208	212	41.5	47.2	48.2	407	441	440
Soybeans	Mil	48.8	54.4	60.7	60.4	63.1	64.6	80.8	86.3	94.0
Rice, rough	Mil	6.6	8.3	7.0	1.7	2.0	1.7	397	413	420
Tobacco, unmanufactured [2]	1,000	811	936	905	15.6	15.8	13.2	5,189	5,939	6,871
Vegetable oils	Mil	6.0	5.9	6.3	15.7	14.5	15.0	38.3	40.0	42.3
Cotton	Mil. bales [3]	11.1	15.6	12.0	17.2	22.1	17.7	64.8	70.8	67.5
EXPORTS [4]										
Wheat [5]	Mil	42	49	40	44.7	48.5	40.8	94	101	98
Corn	Mil	60	50	48	76.9	73.5	75.0	78	68	64
Soybeans	Mil	19.7	25.3	24.6	80.4	85.6	86.4	24.5	29.6	28.5
Rice, milled basis	Mil	3.0	3.0	2.5	23.4	22.9	21.5	12.8	13.1	11.6
Tobacco, unmanufactured [6]	1,000	272	266	261	20.2	17.9	17.8	1,346	1,484	1,462
Vegetable oils	Mil	1.4	1.5	1.4	12.2	11.2	10.0	11.5	13.4	14.0
Cotton	Mil. bales [3]	5.9	6.6	5.2	30.2	32.5	26.9	19.7	20.2	19.3

[1] Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. [2] Farm sales weight basis. [3] Bales of 480 lb. net weight. [4] Trade years may vary by commodity. [5] Includes wheat flour on a grain equivalent. [6] Redried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series*, periodic.

No. 1164. Selected Farm Products—Production and Exports: 1970 to 1983

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Corn for grain: Production	Mil. bu	4,152	5,841	6,289	6,505	7,268	7,928	6,639	8,119	8,235	4,166
Exports [1]	Mil. bu	517	1,711	1,684	1,948	2,133	2,433	2,355	1,967	1,870	1,850
Percent of production	Percent	12.5	29.3	26.8	29.9	29.3	30.7	35.5	24.2	22.7	44.4
Soybeans, for beans: Production	Mil. bu	1,127	1,548	1,289	1,767	1,869	2,261	1,798	1,989	2,190	1,567
Exports [1]	Mil. bu	434	555	564	700	[2] 739	875	724	929	905	760
Percent of production	Percent	38.5	35.9	43.8	39.6	39.5	38.7	40.3	46.7	41.3	48.5
Wheat: Production	Mil. bu	1,352	2,127	2,149	2,046	1,776	2,134	2,381	2,785	2,765	2,420
Exports [1]	Mil. bu	741	1,173	950	1,124	1,194	1,375	1,514	1,771	1,509	1,429
Percent of production	Percent	54.8	55.2	44.2	54.9	67.2	64.4	63.6	63.6	54.6	59.0
Cotton: Production	Mil. bales [3]	10.2	8.3	10.6	14.4	10.9	14.6	11.1	15.6	12.0	7.8
Exports [1]	Mil. bales [3]	3.9	3.3	4.8	5.5	6.2	9.2	5.9	6.6	5.2	6.9
Percent of production	Percent	38.2	39.8	45.3	38.2	56.9	63.0	53.2	42.3	43.3	89.6
Tobacco: [4] Production	Mil. lb	1,906	2,182	2,137	1,914	2,025	1,527	1,786	2,064	1,994	1,428
Exports [1]	Mil. lb	639	654	678	693	765	740	658	717	628	621
Percent of production	Percent	33.5	30.0	31.8	36.2	37.8	48.5	36.8	34.7	31.5	43.5

[1] Represents marketing year for each product. [2] Based on inspections for export. [3] 480 lb. net weight bales. [4] Farm sales weight.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1165. Acreages of Crops Harvested for Specified Purposes: 1960 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series K 496-499]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983 [1]
Crops harvested [2]	**Mil. acres**	[3] 324	298	293	336	337	345	338	349	352	366	363	305
Domestic use	Mil. acres	255	222	221	236	240	233	224	224	215	237	251	187
Per capita [4]	Acres	1.41	1.14	1.08	1.09	1.10	1.06	1.00	1.00	.94	1.03	1.08	.80
Exports	Mil. acres	64	76	72	100	97	112	114	125	137	129	112	118
Percent of total	Percent	19.8	25.5	24.6	29.8	28.8	32.5	33.7	35.8	38.9	35.2	30.9	38.7
Crop failure	**Mil. acres**	6	6	5	6	8	9	7	7	12	6	7	6

[1] Preliminary. [2] Area in principal crops harvested as reported by Economic Research Service plus acreage in vegetables, fruits, tree nuts, and farm gardens. [3] Includes feed for horses and mules, not shown separately. [4] Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual.

No. 1166. Principal Crops—Acreage, Production, and Value: 1971 to 1983

[Acreage, production, and yield of all crops revised on basis of census data. See *Historical Statistics, Colonial Times to 1970*, series K 506-563, for acreage harvested, production, and price data for all crops listed except sorghum]

ITEM	Unit	1971-1975, avg.	1976-1980, avg.	1977	1978	1979	1980	1981	1982	1983, prel.
Corn for grain:										
Acreage harvested	1,000 acres	63,362	72,082	71,614	71,930	72,400	72,961	74,524	72,719	51,443
Production	Mil. bu	5,488	6,926	6,505	7,268	7,928	6,639	8,119	8,235	4,166
Farm value [1]	Mil. dol	11,671	16,669	13,107	16,281	19,877	20,554	20,200	22,039	14,064
Yield per acre	Bu	86.6	96.1	90.8	101.0	109.5	91.0	108.9	113.2	81.0
Price [2]	Dol. per bu	2.15	2.41	2.02	2.25	2.52	3.10	2.50	2.68	3.38
Soybeans for beans:										
Acreage harvested	1,000 acres	49,803	61,810	57,830	63,663	70,343	67,813	66,163	69,442	61,815
Production	Mil. bu	1,352	1,797	1,767	1,869	2,261	1,798	1,989	2,190	1,567
Farm value [1]	Mil. dol	6,720	11,881	10,383	12,450	14,204	13,601	12,005	12,463	12,838
Yield per acre	Bu	27.1	29.1	30.6	29.4	32.1	26.5	30.1	31.5	25.3
Price [2]	Dol. per bu	4.97	6.61	5.88	6.66	6.28	7.57	6.04	5.69	8.18
Hay:										
Acreage harvested	1,000 acres	60,882	60,725	60,988	62,113	61,279	58,870	59,599	59,812	59,697
Production	Mil. tons [3]	130	135	132	144	147	131	143	149	141
Farm value [1]	Mil. dol	4,864	7,146	6,826	6,664	7,345	8,085	9,181	9,479	9,760
Yield per acre	Short tons	2.14	2.22	2.17	2.32	2.40	2.22	2.39	2.50	2.36
Price [2] [4]	Dol. per ton	40.93	52.93	53.70	49.80	59.60	70.90	67.30	68.95	76.21
Wheat:										
Acreage harvested	1,000 acres	56,801	65,537	66,686	56,495	62,454	71,125	80,642	77,937	61,390
Production	Mil. bu	1,757	2,097	2,046	1,776	2,134	2,381	2,785	2,765	2,420
Farm value [1]	Mil. dol	5,291	6,657	4,765	5,281	8,070	9,303	10,174	9,813	8,601
Yield per acre	Bu	30.9	32.0	30.7	31.4	34.2	33.5	34.5	35.5	39.4
Price [2]	Dol. per bu	3.03	3.17	2.33	2.97	3.78	3.91	3.66	3.55	3.56
Tobacco:										
Acreage harvested	1,000 acres	923	945	966	964	828	921	977	913	789
Production	Mil. lb	1,874	1,878	1,914	2,025	1,527	1,788	2,064	1,994	1,428
Farm value [1]	Mil. dol	1,752	2,446	2,270	2,680	2,154	2,720	3,520	3,519	2,496
Yield per acre	Lb	2,030	1,987	1,982	2,101	1,184	1,939	2,113	2,185	1,811
Price [2]	Dol. per lb	.93	1.30	1.19	1.32	1.41	1.52	1.71	1.76	1.75
Cotton:										
Acreage harvested	1,000 acres	11,554	12,527	13,275	12,400	12,831	13,215	13,841	9,734	7,368
Production [5]	Mil. bales [6]	11.4	12.3	14.4	10.9	14.6	11.1	15.6	12.0	7.8
Farm value [1]	Mil. dol	2,083	3,659	3,615	3,045	4,391	3,967	4,075	3,410	2,486
Yield per acre	Lb	474	471	520	420	547	404	542	590	506
Price [2]	Cents per lb	38.1	62.0	52.3	58.4	62.5	74.7	54.3	59.4	66.6
Sorghum for grain:										
Acreage harvested	1,000 acres	14,853	13,417	13,797	13,410	12,901	12,513	13,677	14,137	9,836
Production	Mil. bu	794	722	781	731	807	579	876	835	479
Farm value [1]	Mil. dol	1,494	1,576	1,412	1,464	1,877	1,697	2,079	2,091	1,420
Yield per acre	Bu	53.5	53.8	56.6	54.5	62.6	46.3	64.0	59.1	48.7
Price [2] [7]	Dol. per bu	1.89	2.19	1.82	2.01	2.34	2.94	2.38	2.52	2.97
Potatoes:										
Acreage harvested	1,000 acres	1,321	1,302	1,360	1,375	1,258	1,148	1,232	1,267	1,243
Production	Mil. cwt	316	345	355	366	342	304	341	355	334
Farm value [1]	Mil. dol	1,154	1,384	1,254	1,224	1,172	1,986	1,831	1,563	1,936
Yield per acre	Cwt	239	265	261	267	272	265	276	280	269
Price [2]	Dol. per cwt	3.67	4.01	3.55	3.38	3.44	6.55	5.42	4.45	5.82
Rice, rough:										
Acreage harvested	1,000 acres	2,231	2,776	2,249	2,970	2,869	3,312	3,792	3,262	2,169
Production	Mil. cwt	101	125	99	133	132	146	183	154	100
Farm value [1]	Mil. dol	929	1,219	941	1,087	1,384	1,873	1,654	1,247	868
Yield per acre	Lb	4,525	4,503	4,412	4,484	4,599	4,413	4,819	4,710	4,598
Price [2]	Dol. per cwt	9.20	9.75	9.49	8.16	10.50	12.80	9.05	8.11	8.90
Oats:										
Acreage harvested	1,000 acres	13,706	10,957	13,485	11,126	9,682	8,657	9,407	10,258	9,076
Production	Mil. bu	693	572	753	582	527	459	510	593	477
Farm value [1]	Mil. dol	732	777	823	689	714	813	954	883	804
Yield per acre	Bu	50.6	52.2	55.8	52.3	54.4	53.0	54.2	57.8	52.6
Price [2]	Dol. per bu	1.05	1.36	1.09	1.20	1.36	1.79	1.89	1.49	1.69
Sugar beets:										
Acreage harvested	1,000 acres	1,323	1,255	1,216	1,269	1,120	1,190	1,228	1,027	1,056
Production	Mil. tons [3]	26.4	25.1	25.0	25.8	22.0	23.5	27.5	20.9	21.0
Farm value [1]	Mil. dol	691	745	604	650	745	1,109	804	740	(NA)
Yield per acre	Short tons	19.9	20.0	20.6	20.3	19.6	19.8	22.4	20.3	19.9
Price [2]	Dol. per ton	26.20	29.68	24.20	25.20	33.90	47.20	29.20	35.40	(NA)

NA Not available. [1] Values are based on season *average prices; see* footnote 2. [2] Season average price received by farmers. State prices weighted by sales to obtain U.S. price. For certain years, prices for wheat, rice, corn for grain, grain sorghums, oats, soybeans, and cotton include an allowance for unredeemed loans and purchase agreement deliveries. [3] *In short tons.* [4] *Prices are for hay sold baled.* [5] State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands *and added for* U.S. totals. [6] Bales of 480 pounds, net weight. [7] Based on reported price of grain sorghum.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, in *Agricultural Statistics*, annual; *Crop Production*, annual; *Field Crops* (Statistical Bulletin number 708), annual; *Potatoes and Sweetpotatoes* (Statistical Bulletin number 709), annual; and *Crop Values*, annual.

No. 1167. Production Costs and Returns for Selected Crops: 1981 to 1983

[In dollars per planted acre]

Item	Corn 1981	Corn 1982	Corn 1983, prel.	Wheat 1981	Wheat 1982	Wheat 1983, prel.	Cotton 1981	Cotton 1982	Cotton 1983, prel.
Total cash receipts	260.17	245.55	258.70	116.83	112.27	131.99	325.55	354.54	374.09
Total cash expenses	203.50	214.24	210.62	86.88	85.69	87.91	278.41	300.03	287.86
Variable expenses [1]	131.22	132.15	125.77	52.29	52.22	52.05	194.66	210.42	198.73
Fixed expenses [2]	72.28	82.09	84.85	34.59	33.47	35.86	83.75	89.61	89.13
Receipts less cash expenses	56.67	31.31	48.07	29.95	26.58	44.08	47.14	54.51	86.23
Capital replacement	28.01	30.90	31.65	19.30	20.98	22.96	38.21	42.22	44.34
Receipts less cash expenses and capital replacement	28.66	.41	16.43	10.65	5.60	21.12	8.93	12.29	41.89

[1] Includes expenses for seed, fertilizer, lime, chemicals, custom operations, fuel and lubrication, repairs, drying, purchased irrigation water, and management fees. [2] Includes taxes and insurance, general overhead, and interest paid on land and non-land capital.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Costs of Production, 1983.*

No. 1168. Crops—Acreage and Value, 1981 to 1983, and Order of Value, 1983, by State

State	Acreage harvested (1,000) 1981	1982	1983, prel.	Farm value (mil. dol.) 1981	1982	1983, prel. Value	Rank	Crops in order of value, 1983
U.S.[1]	**354,295**	**349,644**	**292,985**	**82,128**	**82,810**	**69,560**	**(X)**	**Corn, soybeans, hay, wheat.**
AL	4,550	4,424	3,443	886	842	631	33	Soybeans, peanuts, corn, hay.
AZ	1,209	945	678	945	829	737	31	Cotton lint, vegetables, hay, cottonseed.
AR	9,562	9,237	7,841	1,848	1,640	1,404	19	Soybeans, rice, wheat, cotton lint.
CA	6,851	6,185	4,834	8,253	8,159	7,053	1	Fruits, hay, cotton lint, rice.
CO	6,481	6,194	6,091	1,119	1,092	1,173	22	Wheat, hay, corn, potatoes.
CT	146	149	142	71	66	60	47	Tobacco, hay, fruits, vegetables.
DE	555	582	535	120	120	143	43	Soybeans, corn, potatoes, wheat.
FL	1,528	1,396	1,208	2,360	2,185	2,116	11	Fruits, vegetables, sugarcane [2], soybeans.
GA	6,427	6,156	5,168	1,476	1,543	1,404	20	Peanuts, soybeans, corn, tobacco.
HI	105	95	99	355	384	[3] 144	42	Sugarcane [2], fruits, vegetables, coffee.
ID	4,877	4,746	4,490	1,441	1,420	1,439	18	Potatoes, hay, wheat, barley.
IL	24,155	23,848	19,840	6,442	6,700	4,816	3	Soybeans, corn, wheat, hay.
IN	12,970	12,909	10,679	3,001	3,406	2,597	8	Corn, soybeans, wheat, hay.
IA	25,751	25,369	19,973	6,739	6,696	5,113	2	Corn, soybeans, hay, oats.
KS	21,691	22,690	19,150	2,746	3,220	2,772	7	Wheat, hay, sorghum, corn.
KY	5,882	5,853	4,930	1,925	2,065	1,194	21	Tobacco, hay, soybeans, corn.
LA	5,464	5,444	4,533	1,177	1,206	1,004	26	Soybeans, rice, sugarcane [2], cotton lint.
ME	411	411	394	164	136	175	40	Potatoes, hay, fruits, oats.
MD	1,618	1,678	1,515	428	430	392	35	Corn, soybeans, hay, tobacco.
MA	161	162	166	118	125	132	44	Fruits, hay, vegetables, potatoes.
MI	7,436	7,410	6,220	1,784	1,798	1,681	16	Corn, hay, soybeans, fruits.
MN	22,125	21,658	17,610	4,285	4,591	3,621	4	Soybeans, corn, hay, wheat.
MS	6,812	6,779	5,518	1,286	1,400	1,063	24	Soybeans, cotton lint, rice, wheat.
MO	14,648	14,416	12,673	2,574	2,432	1,900	14	Soybeans, hay, corn, wheat.
MT	9,778	9,656	8,709	1,066	1,153	978	27	Wheat, hay, barley, sugar beets.
NE	18,978	18,806	15,068	3,800	3,793	2,986	6	Corn, soybeans, hay, wheat.
NV	544	585	594	102	122	149	41	Hay, potatoes, barley, wheat.
NH	114	112	112	23	26	28	48	Hay, fruits.
NJ	546	524	455	218	218	186	39	Fruits, vegetables, hay, soybeans.
NM	1,378	1,356	1,137	328	313	332	36	Hay, wheat, vegetables, cotton lint.
NY	4,270	4,209	3,907	1,012	1,004	1,043	25	Hay, corn, fruits, vegetables.
NC	5,745	5,725	4,692	2,444	2,273	1,863	15	Tobacco, corn, soybeans, peanuts.
ND	22,361	21,753	18,402	2,488	2,434	1,999	12	Wheat, sunflower, barley, hay.
OH	10,822	10,865	9,081	2,240	2,683	2,301	9	Soybeans, corn, hay, wheat.
OK	10,122	10,244	7,479	1,158	1,244	960	28	Wheat, hay, peanuts, cotton lint.
OR	2,712	2,741	2,668	925	915	957	29	Wheat, hay, fruits, vegetables.
PA	4,647	4,610	4,316	1,212	1,214	1,165	23	Corn, hay, fruits, potatoes.
RI	19	18	18	6	6	6	49	Potatoes, hay, fruits.
SC	3,148	3,333	2,609	771	782	608	34	Tobacco, soybeans, corn, wheat.
SD	15,620	16,003	13,508	1,556	1,673	1,482	17	Hay, wheat, corn, soybeans.
TN	5,738	5,693	4,943	1,180	1,172	838	30	Soybeans, tobacco, corn, hay.
TX	24,365	22,680	17,350	4,499	3,706	3,431	5	Cotton lint, wheat, hay, sorghum.
UT	1,150	1,154	1,069	242	238	267	37	Hay, barley, wheat, fruits.
VT	533	538	539	69	89	93	46	Hay, fruits, potatoes.
VA	3,167	3,184	2,913	907	831	631	32	Tobacco, hay, soybeans, corn.
WA	5,027	4,847	4,642	1,858	1,763	1,992	13	Wheat, fruits, potatoes, hay.
WV	772	774	766	102	108	107	45	Hay, fruits, corn, tobacco.
WI	9,451	9,635	8,442	2,107	2,325	2,160	10	Hay, corn, soybeans, potatoes.
WY	1,873	1,863	1,836	272	240	234	38	Hay, barley, sugar beets, wheat.

X Not applicable. [1] Excludes Alaska. [2] For sugar and seed. [3] Incomplete data.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production* and *Crop Values;* both annual.

No. 1169. Corn—Supply, Disappearance, and Price Support: 1965 to 1983

[In millions of bushels, except as noted. For years beginning October]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Supply, total	**5,251**	**5,161**	**6,204**	**6,692**	**7,394**	**8,380**	**9,233**	**8,258**	**9,154**	**10,410**	**7,287**
Production	4,103	4,152	5,841	6,289	6,505	7,268	7,928	6,639	8,119	8,235	4,166
Imports [1]	1	4	2	3	3	1	1	1	1	1	1
Carryover stocks, Oct. 1	1,147	1,005	361	400	886	1,111	1,304	1,617	1,034	2,174	3,120
Disappearance, total	**4,409**	**4,495**	**5,804**	**5,805**	**6,282**	**7,077**	**7,616**	**7,223**	**6,980**	**7,290**	**6,700**
Domestic	3,722	3,978	4,093	4,121	4,334	4,944	5,183	4,868	5,013	5,420	4,850
Feed and residual	3,362	3,593	3,570	3,571	3,744	4,323	4,508	4,133	4,202	4,522	3,875
Food, industry, and seed	360	385	523	550	590	621	675	735	811	898	975
Exports [1]	687	517	1,711	1,684	1,948	2,133	2,433	2,355	1,967	1,870	1,850
Price support operations: [2]											
Support or target price (dol. per bu.) [3]	1.25	1.35	1.38	1.57	2.00	2.10	2.20	[4] 2.35	2.40	2.70	2.86
National avg. loan rate (dol. per bu.)	1.05	1.05	1.10	1.60	2.00	2.00	2.10	[5] 2.25	[6] 2.40	[6] 2.55	2.65
Quantity placed under loan	215	323	147	275	1,155	642	558	840	1,978	1,580	165
Percent of production	5	8	3	4	18	9	7	13	24	19	4

[1] Includes grain equivalent of corn products. [2] See text, p. 630. [3] Guaranteed on normal production from participating farms. [4] Target price was $2.05 if producer was not in compliance with his normal crop acreage. [5] National average loan rate for corn put into farmer-owned reserve because of grain embargo was $2.40 per bushel. [6] National average loan rate for corn put into farmer-owned reserve was $2.55 per bushel in 1981 and $2.90 in 1982.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly; and *Agricultural Supply and Demand Estimates*, annual. Also in *Agricultural Statistics*, annual.

No. 1170. Corn for Grain—Acreage, Production, and Value, by State: 1981 to 1983

[See *Historical Statistics, Colonial Times to 1970*, series K 502–505, for U.S. data on corn for all purposes]

STATE	Acreage harvested (1,000 acres)			Yield per acre (bu.) [1]			Production (mil. bu.) [1]			Farm value [2] (mil. dol.)			Price [2] (dol. per bu.)		
	1981	1982	1983, prel.	1981	1982	1983, prel.	1981	1982	1983, prel.	1981	1982	1983, prel.	1981	1982	1983, prel.
Total	**74,524**	**72,719**	**51,443**	**109**	**113**	**81**	**8,119**	**8,235**	**4,166**	**20,200**	**22,039**	**14,064**	**2.50**	**2.68**	**3.38**
AL	530	380	305	55	66	59	29	25	18	79	68	64	2.70	2.70	3.55
CA	275	330	260	130	130	128	36	43	33	120	147	134	3.35	3.42	4.05
CO	770	790	610	135	129	122	104	102	74	262	283	246	2.52	2.78	3.30
DE	181	177	145	85	102	75	15	18	11	41	46	44	2.65	2.56	4.00
FL	327	210	122	57	66	67	19	14	8	53	34	31	2.85	2.45	3.85
GA	1,380	815	735	50	85	75	69	69	55	196	182	204	2.84	2.62	3.70
IL	11,320	11,440	7,900	126	131	79	1,426	1,499	624	3,608	3,986	2,122	2.53	2.66	3.40
IN	5,000	6,270	4,670	108	126	73	648	790	341	1,601	1,951	1,176	2.47	2.47	3.45
IA	13,850	13,150	8,550	125	120	87	1,731	1,578	744	4,172	4,340	2,418	2.41	2.75	3.25
KS	1,175	1,220	880	126	114	93	148	139	82	382	384	282	2.58	2.76	3.45
KY	1,490	1,490	960	98	103	48	146	153	46	375	394	168	2.57	2.57	3.65
MD	680	640	545	102	103	68	69	66	37	187	171	148	2.70	2.60	4.00
MI	2,800	2,740	1,800	96	107	92	269	293	166	642	748	555	2.39	2.55	3.35
MN	6,770	6,500	4,370	110	113	84	745	735	367	1,735	1,932	1,156	2.33	2.63	3.15
MO	1,940	1,970	1,430	107	101	51	208	199	73	515	543	259	2.46	2.73	3.55
NE	6,880	6,800	4,850	115	110	96	791	748	466	1,986	2,132	1,513	2.51	2.85	3.25
NY	830	765	600	93	92	90	77	70	54	207	211	202	2.68	3.00	3.75
NC	1,830	1,570	1,280	77	99	60	141	155	77	378	368	296	2.68	2.37	3.85
ND	513	520	435	81	68	67	42	35	29	99	95	90	2.39	2.69	3.10
OH	3,750	4,000	2,800	96	114	80	360	456	224	893	1,167	762	2.48	2.56	3.40
PA	1,400	1,300	1,050	96	97	69	134	126	72	360	344	286	2.68	2.73	3.95
SC	570	390	275	58	88	62	33	33	17	86	91	65	2.60	2.73	3.80
SD	2,580	2,690	1,970	70	72	53	181	194	104	415	484	324	2.30	2.50	3.10
TN	640	630	480	84	90	48	54	57	23	145	151	88	2.70	2.67	3.80
TX	1,090	1,140	1,080	117	105	97	128	120	105	367	370	356	2.88	3.09	3.40
VA	625	620	340	90	101	48	56	63	16	152	160	63	2.70	2.55	3.85
WI	3,500	3,350	2,300	108	108	97	378	362	223	903	991	736	2.39	2.74	3.30
Other	828	832	701	99	112	110	82	93	77	241	266	276	(x)	(x)	(x)

X Not applicable. [1] 56 pounds per bushel. [2] Season average price received by farmers. State prices weighted by sales to obtain U.S. prices. Includes an allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual; *Field Crops* (Statistical Bulletin number 708); and *Crop Values*, annual.

No. 1171. Wheat—Supply, Disappearance, and Price Support: 1965 to 1983

[In millions of 60-pound bushels, except as noted. For years beginning June 1. For explanation of price support operations, see text, p. 630. See *Historical Statistics, Colonial Times to 1970*, series K 507 and 509-510, for production and stocks]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Supply	2,238	2,336	2,564	2,817	3,161	2,955	3,060	3,286	3,777	3,932	3,939
Production	1,316	1,352	2,127	2,149	2,046	1,776	2,134	2,381	2,785	2,765	2,420
Imports [1]	1	1	2	2	2	1	2	3	3	8	4
Stocks, June 1, total	921	983	435	666	1,113	1,178	924	902	989	1,159	1,515
Disappearance	1,577	1,513	1,898	1,704	1,983	2,031	2,158	2,297	2,618	2,417	2,545
Domestic use	725	772	726	754	859	837	783	783	847	908	1,116
Food [2]	518	517	589	588	586	592	596	610	602	616	635
Seed and feed [3]	207	255	137	166	273	245	187	173	245	292	481
Exports [1]	852	741	1,173	950	1,124	1,194	1,375	1,514	1,771	1,509	1,429
Price support operations:											
Support or target price per bushel	$1.72	$2.00	$2.05	$2.29	$2.90	$3.40	$3.40	$3.63	$3.81	$4.05	$4.30
Loan rate	$1.25	$1.25	$1.37	$2.25	$2.25	$2.35	$2.50	$3.00	$3.20	$3.55	$3.65
Quantity under support	173	254	52	499	591	257	182	331	452	646	635
Percent of production	13.1	18.8	2.4	23.2	28.9	14.5	8.5	13.9	16.2	23.4	26.2

[1] Imports and exports include flour and other products expressed in wheat equivalent. Compiled from reports of the U.S. Bureau of the Census. [2] Used for food in the U.S., U.S. territories, and by the military. [3] Residual; approximates feed use and includes negligible quantities used for distilled spirits and beer.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Wheat Situation*, quarterly. Also in *Agricultural Statistics*, annual.

No. 1172. Wheat—Acreage, Production, and Value, by State: 1981 to 1983

[See *Historical Statistics, Colonial Times to 1970*, series K 506-508, for U.S. acreage, production, and price]

STATE	Acreage harvested (1,000 acres)			Yield per acre (bushels) [2]			Production (mil. bushels) [2]			Farm value [3] (mil. dol.)			Price [3] (dol. per bu.)		
	1981	1982	1983 [1]	1981	1982	1983 [1]	1981	1982	1983 [1]	1981	1982	1983 [1]	1981	1982	1983 [1]
Total	80,642	77,937	61,390	35	36	39	2,785	2,765	2,420	10,174	9,813	8,601	3.66	3.55	3.56
AZ	258	143	119	85	87	93	21.8	12.4	11.1	101	45	45	4.61	3.60	4.04
AR	1,650	1,900	1,500	41	38	39	67.7	72.2	58.5	238	233	193	3.52	3.23	3.30
CA	1,345	1,075	680	79	72	69	105.5	77.2	46.6	448	290	188	4.25	3.76	4.03
CO	3,108	2,958	3,063	28	29	40	87.9	85.0	122.1	312	295	410	3.55	3.47	3.36
GA	1,070	1,370	910	43	33	34	46.0	45.2	30.9	153	138	99	3.32	3.05	3.20
ID	1,510	1,510	1,305	60	63	70	89.8	94.8	91.7	325	357	317	3.62	3.77	3.46
IL	1,950	1,500	1,400	50	45	46	97.5	67.5	64.4	332	210	219	3.41	3.11	3.40
IN	1,300	1,030	970	46	42	51	59.8	43.3	49.5	208	136	163	3.48	3.14	3.30
KS	12,100	13,100	10,800	25	35	42	302.5	458.5	448.2	1,137	1,632	1,569	3.76	3.56	3.50
KY	680	620	520	42	38	31	28.6	23.6	16.1	99	75	54	3.45	3.19	3.35
MD	137	136	131	41	42	41	5.6	5.7	5.4	18	18	19	3.25	3.10	3.45
MI	830	560	730	50	41	49	41.5	23.0	35.8	144	76	120	3.41	3.33	3.35
MN	3,510	3,184	2,140	40	40	37	140.0	126.8	79.0	521	475	307	3.72	3.75	3.89
MS	600	950	600	40	38	34	24.0	36.1	20.4	78	108	73	3.25	3.00	3.60
MO	2,750	2,200	1,850	42	34	38	116.5	74.8	70.3	386	224	232	3.34	2.99	3.30
MT	5,820	5,360	4,455	30	34	31	172.8	180.3	136.9	636	658	504	3.68	3.65	3.68
NE	2,900	2,900	2,300	36	35	43	104.4	101.5	98.9	381	350	331	3.65	3.45	3.35
NM	500	510	470	22	25	29	11.0	12.8	13.6	40	46	50	3.64	3.62	3.65
NY	160	125	160	44	44	46	7.0	5.4	7.4	23	18	24	3.21	3.33	3.30
NC	550	650	470	39	36	34	21.5	23.4	16.0	73	71	56	3.40	3.02	3.50
ND	11,570	10,300	7,205	28	32	27	328.3	324.8	194.1	1,164	1,199	748	3.55	3.69	3.85
OH	1,600	1,200	1,200	44	43	49	70.4	51.6	58.6	250	163	197	3.55	3.16	3.35
OK	6,400	6,900	4,300	27	33	35	172.6	227.7	150.5	662	831	534	3.83	3.65	3.55
OR	1,260	1,200	1,085	59	53	60	74.3	63.5	65.6	285	255	243	3.84	4.02	3.70
PA	240	228	200	36	36	38	8.6	8.2	7.6	30	27	27	3.50	3.25	3.60
SD	3,820	3,595	2,727	23	27	33	89.0	98.5	89.7	318	364	328	3.57	3.69	3.65
TN	850	830	600	44	36	33	37.4	29.9	19.8	131	90	65	3.50	3.02	3.30
TX	6,550	6,000	4,600	28	24	35	183.4	144.0	161.0	669	530	580	3.65	3.68	3.60
UT	265	266	217	35	35	37	9.3	9.3	8.0	35	31	26	3.70	3.36	3.26
VA	390	350	340	44	38	42	17.2	13.3	14.3	57	41	49	3.34	3.06	3.40
WA	3,050	2,840	2,690	55	49	64	168.4	138.9	172.6	660	561	647	3.92	4.04	3.75
WY	279	309	271	30	29	33	8.3	9.0	9.0	28	30	29	3.39	3.34	3.25
Other	1,640	2,138	1,382	41	36	33	67.6	76.9	46.2	228	236	155	(x)	(x)	(x)

X Not applicable. [1] Preliminary. [2] 60 pounds per bushel. [3] See footnote 2, table 1170.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Field Crops*, (Statistical Bulletin number 708); and *Crop Values*, annual.

No. 1173. Soybeans—Supply, Disappearance, and Price Support: 1965 to 1983

[**In millions of bushels, except as noted.** For years beginning **Sept. 1.** For explanation of price supports, see p. 630. See *Historical Statistics, Colonial Times to 1970,* series K 521, for production]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Supply, total	**875**	**1,357**	**1,736**	**1,533**	**1,870**	**2,030**	**2,437**	**2,156**	**2,302**	**2,444**	**1,912**
Production	846	1,127	1,548	1,289	1,767	1,869	2,261	1,798	1,989	2,190	1,567
Stocks, Sept. 1	30	230	188	245	103	161	176	358	313	254	345
Disappearance, total	**840**	**1,258**	**1,491**	**1,430**	**1,709**	**1,854**	**2,079**	**1,843**	**2,048**	**2,099**	**1,617**
Crushed	538	760	865	790	927	1,018	1,123	1,020	1,030	1,108	980
Seed, feed and residual [1]	52	64	71	76	82	97	81	99	89	86	77
Net exports	251	434	555	564	700	739	875	724	929	905	760
Percent of total	29.8	34.5	37.2	39.5	41.0	39.9	42.1	39.3	45.4	43.1	42.1
Ending stocks	36	99	245	103	161	176	358	313	254	345	95
Price support:											
Support price per bushel	$2.25	$2.25	(2)	$2.50	$3.50	$4.50	$4.50	$5.02	$5.02	$5.02	$5.02
Quantity under support	87	146	(2)	22	97	64	122	133	222	397	102
Percent of production	10.3	13.0	(x)	1.7	5.5	3.4	5.4	7.4	11.2	18.1	6.5

X Not applicable. [1] Residual represents adjustment for statistical discrepancy. [2] Price support not authorized for the 1975 crop.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Fats and Oils Situation,* quarterly. Also in *Agricultural Statistics,* annual.

No. 1174. Soybeans for Beans—Acreage, Production, and Value, by State: 1981 to 1983

[See *Historical Statistics, Colonial Times to 1970,* series K 521, for U.S. totals]

STATE	Acreage harvested (1,000 acres)			Yield per acre (bu.)			Production (mil. bu.)			Price [1] (dol. per bu.)			Farm value [1] (mil. dol.)		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983
Total [2]	**66,163**	**69,442**	**61,815**	**30.1**	**31.5**	**25.3**	**1,989**	**2,190**	**1,567**	**6.04**	**5.69**	**8.19**	**12,005**	**12,463**	**12,838**
AL	2,020	2,000	1,450	23.0	25.0	19.0	46	50	28	6.08	5.36	8.00	282	266	220
AR	4,500	4,400	3,800	22.0	24.0	17.5	99	106	67	6.17	5.71	8.20	611	603	545
GA	2,200	2,350	1,950	19.0	27.0	21.0	42	63	41	6.09	5.45	7.75	255	346	317
IL	9,150	9,200	8,800	38.0	38.5	28.5	348	354	251	6.15	5.89	8.45	2,138	2,086	2,119
IN	4,600	4,500	3,950	33.0	38.5	30.5	152	173	120	6.08	5.51	8.35	923	955	1,006
IA	8,050	8,400	7,960	40.0	36.5	33.5	322	307	267	5.88	5.82	8.20	1,893	1,784	2,187
KS	1,510	1,780	1,520	30.0	26.0	15.0	45	46	23	5.80	5.57	8.20	263	258	187
KY	1,650	1,630	1,390	29.0	31.5	16.5	48	51	23	6.33	5.74	8.20	303	295	188
LA	3,030	2,900	2,570	21.0	26.0	25.5	64	75	66	6.37	5.65	7.80	405	426	511
MI	1,040	1,140	1,040	30.0	31.0	32.0	31	35	33	6.02	5.46	8.25	186	193	275
MN	4,350	4,830	4,600	32.0	35.0	31.5	139	169	145	5.77	5.81	8.10	803	982	1,174
MS	3,700	3,550	3,050	21.0	26.0	18.5	78	92	56	6.21	5.74	8.15	483	530	460
MO	5,000	5,700	5,050	30.0	30.0	19.5	150	171	98	6.01	5.61	8.25	902	959	812
NE	2,070	2,250	2,050	38.0	35.0	28.0	79	79	57	5.75	5.50	7.95	452	433	456
NC	1,850	2,100	1,650	25.0	25.0	19.0	46	53	31	6.13	5.58	8.25	284	293	259
OH	3,450	3,700	3,280	28.5	36.0	31.0	98	133	102	6.18	5.68	8.25	608	757	839
SC	1,550	1,800	1,430	20.0	22.0	16.0	31	40	23	6.17	5.75	8.05	191	228	184
TN	2,350	2,300	1,950	25.0	26.5	15.5	59	61	30	6.06	5.57	8.25	356	339	249
TX	480	920	420	22.0	25.0	22.5	11	23	9	5.69	5.40	7.75	60	124	73
VA	635	665	610	28.0	29.0	16.0	18	19	10	6.09	5.70	8.00	108	110	78

[1] Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State. [2] Includes States not shown separately.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production,* annual; *Field Crops* (Statistical Bulletin No. 708); and *Crop Values,* annual.

No. 1175. Sorghum Grain—Supply, Disappearance, and Price Support: 1965 to 1983

[**In millions of bushels, except as noted.** For years beginning **Oct.** For explanation of price supports, see p. 630]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Total supply	**1,239**	**927**	**684**	**789**	**762**	**872**	**922**	**967**	**726**	**964**	**1,131**	**679**
Production	673	683	623	754	711	781	731	807	579	876	835	479
Carryover stocks	566	244	61	35	51	91	191	160	146	109	296	400
Disappearance	**848**	**837**	**649**	**738**	**671**	**682**	**762**	**821**	**617**	**688**	**731**	**650**
Domestic, total	582	693	437	509	425	468	555	496	313	439	517	400
Feed and residual	569	680	426	498	414	456	544	483	301	428	507	390
Exports	266	144	212	229	246	214	207	325	305	249	214	250
Price support operations:												
Support or target price per cwt	$2.00	$2.14	$2.34	$2.34	$2.66	$4.07	$4.07	$4.18	[1] $4.46	$4.55	$4.64	$4.86
National avg. loan rate per cwt	$1.65	$1.61	$1.88	$1.88	$2.55	$3.39	$3.39	$3.57	[2] $3.82	[2] $4.07	[2] $4.32	$4.50
Placed under loan (mil. cwt)	59.4	17.1	2.2	4.9	11.9	121.4	51.6	35.6	18.1	155.0	134.6	7.5
Percent of production	20	1	1	1	1	28	13	8	5	31	29	3

[1] Target price was $4.38 per cwt, if producer was not in compliance with his normal crop acreage. [2] National average loan rate for grain sorghum put into the farmer-owned reserve was $4.07 per cwt in 1980, $4.32 per cwt in 1981, and $4.91 in 1982.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation,* quarterly, and *Agricultural Supply and Demand Estimates,* periodic. Also in *Agricultural Statistics,* annual.

No. 1176. Cotton—Summary: 1965 to 1983

[**In thousands of net weight 480 lb. bales, except as indicated.** For years beginning **Aug. 1.** Excludes linters. Excludes Alaska, Hawaii, and Puerto Rico except for imports and exports. Production figures are compiled from reports of individual ginners. Price per pound is average price received by farmers. For stocks, see *Historical Statistics, Colonial Times to 1970,* series K 554–556]

Yearly average or year	Production: Running bales	Production: Equivalent 480-lb. bales	Consumption [1]	Net exports	Net imports	Beginning carry-over	Average price per pound of upland cotton (cents)	Price support operations [2]: Price per lb. [3] (cents)	Price support operations [2]: Total under support	Price support operations [2]: Percent of production
1965–1969	10,557	10,571	8,920	3,586	98	11,358	23.7	32.6	3,917	37.5
1970–1974	11,511	11,777	7,513	4,528	45	4,267	33.3	37.6	1,932	16.8
1975–1979	11,465	11,751	6,653	5,798	29	4,324	57.6	43.6	1,555	13.2
1975	8,151	8,302	7,250	3,311	92	6,708	51.1	36.1	691	8.5
1976	10,347	10,581	6,674	4,784	38	3,681	63.8	38.9	941	9.2
1977	14,018	14,389	6,483	5,484	5	2,928	52.1	44.6	4,518	31.6
1978	10,549	10,855	6,352	6,180	4	5,347	58.1	48.0	1,524	14.2
1979	14,262	14,629	6,506	9,229	5	3,958	62.3	50.2	1,720	11.8
1980	10,826	11,122	5,891	5,926	28	3,000	74.4	48.0	2,276	20.7
1981	15,150	15,646	5,264	6,567	26	2,668	54.0	52.5	6,028	38.7
1982	11,526	11,963	5,513	5,207	20	6,632	59.1	57.1	5,003	42.2
1983, prel.	7,500	7,771	5,917	7,000	10	7,937	66.1	55.0	1,688	22.0

[1] Adjusted to cotton season. [2] Data from U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. [3] *For 1965–74, support loan plus direct support payment;* 1975–83, loan rate for strict low middling 1 1/16", mic. 3.5–4.9. For text on price supports, see p. 630.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook Statistics,* periodic.

No. 1177. Cotton—Acreage, Production, and Value, by State: 1981 to 1983

[Cotton production excludes linters. *Values shown are for marketing season or crop year and should not be confused with calendar-year income.* See *Historical Statistics, Colonial Times to 1970,* series K 553–558 for U.S. totals]

State	Acreage harvested (1,000)			Yield per acre (lb.)			Production (1,000 bales) [1]			Farm value [2] (mil. dol.)			Farm price per lb. [2] (cents)		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983
Total [3]	**13,841**	**9,734**	**7,368**	**542**	**590**	**506**	**15,646**	**11,963**	**7,771**	**4,075**	**3,410**	**2,486**	**54.3**	**59.4**	**66.6**
AL	372	285	215	544	748	409	422	460	183	113	129	58	55.9	58.5	65.7
AZ	633	512	313	1,221	1,089	1,183	1,610	1,161	772	442	349	260	57.3	61.9	103.0
AR	560	390	310	517	657	500	604	534	323	165	149	102	56.8	58.0	66.1
CA	1,530	1,370	950	1,109	1,077	996	3,535	3,073	1,971	1,079	987	699	63.6	66.9	73.9
GA	175	158	115	436	714	467	159	235	112	41	64	36	54.3	56.6	67.1
LA	695	595	410	512	702	623	742	870	532	194	236	168	54.5	56.5	65.6
MS	1,200	990	675	626	853	640	1,565	1,760	900	439	505	282	58.4	59.8	65.3
MO	183	151	93	441	648	377	168	204	73	45	58	24	56.0	59.2	68.5
NM	113	77	58	600	546	709	141	88	86	42	27	34	62.4	64.5	81.9
NC	82	70	59	556	699	350	95	102	43	27	30	15	58.4	61.4	70.6
OK	640	450	300	330	254	232	440	238	145	87	57	40	41.1	49.5	57.8
SC	118	95	69	667	783	369	164	155	53	45	44	18	57.7	59.7	72.5
TN	305	255	215	495	638	337	315	339	151	80	94	50	53.1	57.7	66.4
TX	7,218	4,920	3,572	376	303	324	5,663	2,723	2,412	1,269	676	695	46.7	51.7	60.0

[1] *Bales of 480 lb net weight.* [2] Includes allowance for unredeemed loans in 1981 and 1982. For 1983, average price to April 1, 1984, with no allowance for unredeemed loans. [3] Includes States not shown separately.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Field Crops,* (Statistical Bulletin number 708); *Crop Production, May 1984, and Crop Values,* annual.

No. 1178. Tobacco—Production, Disappearance, and Stocks: 1966 to 1983

[**In millions of pounds.** Flue-cured and cigar wrapper, crop year, July–June; all other types, October–September. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. Farm-sales-weight basis, except as noted. See *Historical Statistics, Colonial Times to 1970,* series K 562, for production]

Item	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production	1,854	1,874	1,878	2,182	2,137	1,914	2,025	1,527	1,786	2,064	1,994	1,428
Domestic disappearance [1]	1,340	1,308	1,182	1,290	1,229	1,202	1,193	1,175	1,111	1,074	1,035	1,003
Exports	650	650	692	654	678	693	765	740	658	717	628	621
Imports [2]	220	329	369	391	366	322	376	415	366	335	295	317
Stocks, end of year [3]	4,016	3,290	3,450	3,297	3,540	3,560	3,601	3,259	3,289	3,554	3,824	3,713

[1] U.S. tobacco only. [2] Source: U.S. Bureau of the Census. Calendar year, declared weight; includes stems, trimmings, and scrap. [3] Marketing year.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation,* quarterly.

No. 1179. Tobacco—Acreage, Production, and Value, by State: 1981 to 1983

[See *Historical Statistics, Colonial Times to 1970,* series K 561–563, for U.S. acreage, production, and price]

STATE	Acreage harvested (1,000)			Yield per acre (pounds)			Production (mil. lb.)			Price [1] (dol. per lb.)			Farm value (mil. dol.)		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983
Total [2]	**977**	**913**	**789**	**2,113**	**2,185**	**1,811**	**2,064**	**1,994**	**1,428**	**1.71**	**1.76**	**1.75**	**3,520**	**3,519**	**2,496**
CT	3	3	2	1,764	1,583	1,781	6	4	3	5.80	5.13	5.47	33	22	19
FL	10	9	8	2,380	2,255	2,260	23	21	18	1.67	1.78	1.71	38	37	30
GA	55	49	44	2,200	2,155	2,190	121	106	96	1.63	1.80	1.80	197	190	174
IN	8	9	8	2,265	2,350	1,610	19	20	13	1.81	1.82	1.77	34	37	23
KY	235	244	203	2,172	2,414	1,597	510	589	325	1.79	1.80	1.75	913	1,062	568
MD	25	27	27	1,320	1,390	1,100	33	38	30	1.75	1.53	(3)	58	57	32
NC	374	326	278	2,126	2,151	1,969	796	701	547	1.67	1.78	1.76	1,329	1,249	973
OH	13	14	12	1,745	2,213	1,485	23	32	18	1.71	1.73	1.68	39	55	30
PA	13	13	12	2,050	1,991	1,832	27	26	22	.80	.79	.95	22	20	21
SC	69	59	54	2,168	2,105	2,090	150	124	113	1.65	1.77	1.81	247	219	204
TN	79	83	73	2,053	2,156	1,621	161	178	118	1.78	1.72	1.80	287	307	212
VA	73	62	54	2,165	2,033	1,828	159	125	99	1.67	1.76	1.72	266	221	171
WI	14	10	8	1,924	1,994	1,919	26	20	16	1.11	1.04	1.10	29	21	18

[1] See footnote 2, table 1166. [2] Includes States not shown separately. [3] Evaluated at 108.7 cents per pound, the average sales through April 30, 1984.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Field Crops* (Statistical Bulletin 708); *Crop Production,* annual; and *Crop Values,* annual.

No. 1180. Sugar, Beet and Cane—Supply and Disappearance: 1965 to 1983

[In thousands of short tons, raw value]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Total supply	**13,025**	**14,392**	**13,132**	**14,515**	**15,827**	**14,828**	**14,621**	**14,110**	**14,380**	**12,441**	**11,983**
United States production	5,370	5,874	6,300	6,798	6,089	5,602	5,793	5,736	6,225	5,936	5,680
Beet	3,044	3,511	3,473	4,003	3,423	3,067	3,066	3,052	3,182	3,160	2,588
Mainland cane [1]	1,108	1,201	1,720	1,745	1,632	1,506	1,667	1,661	1,995	1,793	2,049
Hawaii	1,218	1,162	1,107	1,050	1,034	1,029	1,060	1,023	1,048	983	1,044
Imports	4,027	5,296	3,882	4,658	6,138	4,683	5,027	4,495	5,025	2,964	3,168
Puerto Rico	[2] 834	353	96	203	102	52	47	176	48	80	67
Beginning stocks	2,794	2,869	2,854	2,856	3,498	4,491	3,754	3,701	3,082	3,481	3,068
Total disappearance	**10,220**	**10,926**	**10,276**	**11,017**	**11,336**	**11,074**	**10,921**	**11,028**	**10,919**	**9,373**	**9,413**
U.S. consumption	10,080	10,532	10,302	10,893	11,099	10,869	10,756	10,189	9,769	9,160	8,900
Exports	89	66	216	76	35	48	73	689	1,191	137	300
Other [3]	51	328	−242	48	202	137	92	150	−41	76	213

[1] Florida, Louisiana, and, beginning 1975, Texas. [2] Includes minor quantities from Virgin Islands. [3] Includes net change in invisible stocks, balancing items, and minor quantities of sugar for livestock feed and alcohol.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation,* quarterly.

No. 1181. Sugarcane, Beet and Cane Sugar, and Molasses—Acreage, Production, and Value: 1965 to 1983

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970,* series K 542–546]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres	617	584	774	759	744	733	733	755	742	768
Yield per acre	Tons	38.4	41.1	36.6	35.3	35.0	36.2	36.8	36.3	40.1	36.7
Production	Mil. tons	23.7	24.0	28.3	26.8	26.0	26.5	27.0	27.4	29.8	28.2
Price per ton [1]	Dollars	[2] 7.90	[2] 10.50	21.50	17.70	19.50	26.00	38.50	24.90	26.50	(NA)
Farm value	Mil. dol	[2] 110	[2] 140	608	474	507	691	1,036	682	790	(NA)
Sugar produced:											
Beet, raw value [3]	1,000 tons	2,816	3,322	4,019	3,108	3,289	2,879	3,149	3,388	2,737	2,670
Cane, raw value [3]	1,000 tons	2,322	2,416	2,934	2,684	2,612	2,700	2,728	2,833	3,063	2,930
Per ton of cane [3]	Lb	204	210	214	209	211	213	213	217	215	215
Cane, refined basis [4]	1,000 tons	2,170	2,258	2,743	2,508	2,441	2,524	2,550	2,647	2,863	2,739
Molasses made	Mil. gal	146	141	183	165	162	165	163	183	177	176

NA Not available. [1] Season average price for sugar received by farmers. Prices exclude Government payments under Sugar Act. [2] Excludes Hawaii. [3] Raw value equals 96° sugar as defined in Sugar Act of 1948. [4] Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. of refined sugar.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Field Crops* (Statistical Bulletin 708); *Crop Production,* annual; and *Crop Values,* annual.

No. 1182. Commercial Vegetable and Other Specified Crops—Area, Production, and Value, 1981 to 1983, and Leading States, 1983

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

Crop	Area [1] (1,000 acres)			Production [2] (1,000 short tons)			Value [3] (mil. dol.)			States ranked by production, 1983
	1981	1982	1983	1981	1982	1983	1981	1982	1983	
Beans, snap [4]	218.3	204.4	197.1	672.2	643.9	587.4	111.4	106.6	94.3	WI, OR, NY.
Broccoli	78.5	92.0	88.7	376.1	441.0	388.5	175.1	211.1	197.2	CA, TX, OR.
Carrots	73.9	79.4	79.9	1,023.3	1,171.0	1,113.4	182.2	198.4	206.8	CA, TX, MI.
Cauliflower	46.0	51.1	53.2	260.5	267.7	285.7	125.3	130.8	146.2	CA, OR, AZ.
Celery	36.7	36.4	33.4	931.4	957.0	879.4	200.6	194.3	234.8	CA, FL, MI.
Corn, sweet	577.9	623.2	579.5	3,068.2	3,425.3	2,914.7	309.9	335.7	307.7	CA, WI, MN.
Honeydew melons	19.6	24.9	22.7	171.0	189.0	196.6	52.6	53.1	51.7	CA, TX, AZ.
Lettuce	223.6	215.1	225.4	3,131.1	3,318.9	3,190.7	681.5	755.5	797.0	CA, AZ, FL.
Mint for oil	98.7	80.7	84.7	3.2	2.4	2.5	59.9	49.1	54.7	OR, WA, IN.
Onions	111.6	125.2	119.4	1,751.1	2,081.9	1,862.3	475.4	306.4	343.2	CA, TX, OR.
Peas, green	293.1	303.8	301.6	455.1	496.3	416.1	99.1	112.5	90.3	WI, WA, MN.
Strawberries	36.6	39.5	42.0	369.9	439.0	445.9	310.3	421.9	406.4	CA, OR, WA.
Tomatoes	381.9	416.7	417.2	7,024.9	8,648.0	8,341.5	946.2	1,131.6	1,126.9	CA, FL, OH.

[1] Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. [2] Excludes some quantities not marketed. [3] Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. [4] Processing only.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Vegetables*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1183. Potatoes—Acreage, Production, and Value, by State: 1981 to 1983

[Excludes Alaska and Hawaii. 1983 preliminary. Price is season average received by farmers; State prices weighted by sales. See *Historical Statistics, Colonial Times to 1970*, series K 532-534, for U.S. acreage, production, price]

State	Acreage harvested (1,000 acres)			Yield per acre (cwt)			Production (mil. cwt)			Price (dol. per cwt)			Farm value (mil. dol.)		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983
Total	**1,232**	**1,267**	**1,243**	**276**	**280**	**269**	**341**	**355**	**334**	**5.42**	**4.45**	**5.82**	**1,831**	**1,583**	**1,936**
CA	56	56	56	374	376	355	21	21	20	10.40	8.90	9.20	217	187	183
CO	47	52	53	289	282	297	14	15	16	4.70	3.65	6.25	63	53	99
FL	30	32	31	220	219	193	7	7	6	11.10	8.90	9.25	73	62	56
ID	318	322	312	266	285	276	84	92	86	4.75	3.50	5.20	401	321	447
ME	104	106	94	255	255	240	27	27	23	4.50	3.35	6.25	119	91	141
MI	45	49	53	235	260	228	11	13	12	6.30	4.65	6.60	67	60	80
MN	76	71	68	196	190	172	15	13	12	4.90	3.95	5.55	73	53	64
NV	12	13	12	290	315	310	3	4	4	4.90	2.60	5.70	17	11	21
NY	44	44	41	281	284	238	12	12	10	6.15	4.90	7.85	75	57	76
ND	115	115	128	175	150	160	20	17	20	4.05	4.35	4.90	82	75	100
OR	54	53	49	402	402	427	22	21	21	4.50	3.90	4.65	97	82	96
PA	21	21	22	250	235	200	5	5	4	7.05	5.50	8.10	37	27	35
WA	108	110	104	490	480	520	53	53	54	3.95	3.75	4.25	209	198	230
WI	54	65	62	340	350	305	18	23	19	4.70	4.10	5.55	85	93	105
Other	148	158	159	196	203	176	29	32	28	(x)	(x)	(x)	216	193	201

X Not applicable.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Potatoes and Sweetpotatoes*, Statistical Bulletin No. 709.

No. 1184. Fruits—Utilized Production and Value, 1981 to 1983, and Leading Producing States, 1983

Fruit	Utilized production [1]				Farm value (mil. dol.)			Leading States in order of production, 1983
	Unit	1981	1982	1983, prel.	1981	1982	1983, prel.	
Apples (34 States) [2]	Mil. lb	7,706	8,101	8,178	853	808	856	WA, NY, MI.
Peaches	Mil. lb	2,652	2,110	1,752	353	304	259	CA, GA, SC.
Pears	1,000 tons	894	803	774	167	147	157	WA, CA, OR.
Grapes	1,000 tons	4,457	5,864	5,280	1,323	1,361	1,349	CA, WA, NY.
Cherries, sweet	1,000 tons	146	134	167	100	93	103	WA, OR, MI.
Cherries, tart	Mil. lb	133	245	154	59	35	72	MI, NY, UT.
Plums and prunes (fresh)	1,000 tons	774	582	663	176	174	175	CA, OR, WA.
Oranges and tangerines (4 States)	Mil. boxes [3]	250.1	181.7	230.3	1,331	1,209	1,442	FL, CA, TX.
Grapefruit (4 States)	Mil. boxes [4]	67.9	70.4	60.6	322	229	190	FL, TX, CA.
Lemons (2 States) [5]	Mil. boxes [6]	31.3	24.8	25.0	151	106	110	CA, AZ.

[1] Excludes quantities not harvested or not marketed. [2] Production in commercial orchards with 100 or more bearing age trees. [3] Net content of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb.; FL oranges, 90 lb.; TX oranges, 85 lb.; and FL tangerines, 95 lb. [4] Approximate average, net weight, is 65 lb. in AZ and CA, 85 in FL, and 80 in TX. [5] Includes estimates for AZ. [6] About 76 lb. net.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production; Crop Values;* and *Noncitrus Fruits and Nuts;* annual summaries.

No. 1185. Canned Foods—Production: 1960 to 1982

[In millions of standard cases of 24 No. 303 cans, except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series P 233-234, for corn and tomatoes in cases of 24 No. 2 cans]

PRODUCT	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Fruits [1]	**97.9**	**103.9**	**99.4**	**103.7**	**91.2**	**88.2**	**93.7**	**85.3**	**96.9**	**95.1**	**79.7**	[2] **56.9**
Apples [3]	3.1	4.1	2.3	2.2	1.1	1.9	2.0	2.1	2.4	1.6	1.3	1.6
Applesauce [3]	11.8	15.9	14.1	16.6	9.6	8.9	10.7	11.6	12.7	10.6	8.8	10.9
Apricots	6.1	5.1	3.8	2.0	4.4	2.4	2.3	2.1	2.9	3.0	1.2	1.6
Berries	.8	.7	.4	.4	.4	.3	.1	.3	.2	.2	.4	.4
Cherries, red, pitted	1.6	2.4	1.0	1.2	1.3	.4	.6	.6	.5	.5	.2	.5
Cherries, sweet	.6	.7	.7	.6	.4	.5	.5	.5	.7	.4	.3	.5
Cranberry sauce [3]	2.2	3.4	3.9	4.3	3.4	3.5	3.4	3.7	3.6	3.6	3.5	3.6
Fruit cocktail [4]	12.8	14.5	13.1	14.9	13.7	13.6	13.0	11.7	13.9	14.8	11.4	8.7
Fruit salad/mixed fruits [4]	1.2	1.2	1.2	1.8	1.3	1.2	2.2	2.2	3.1	3.2	2.5	2.4
Grapefruit sections [3 5]	3.0	2.8	2.3	1.5	1.1	1.2	1.2	1.3	1.4	1.2	.9	(NA)
Peaches	30.8	30.0	29.6	32.4	29.0	24.8	29.2	21.4	25.8	26.8	21.8	18.6
Pears	8.5	6.4	8.6	10.7	9.8	11.5	9.6	9.0	10.6	10.9	9.7	8.8
Pineapple [3 6]	15.0	15.0	17.8	13.9	14.2	17.3	18.4	18.3	18.5	17.1	16.6	(NA)
Plums [7]	.4	1.7	.8	1.2	1.4	1.0	.8	.9	.7	1.1	.9	.4
Juices: [3 8]												
Apple	6.2	9.6	14.1	15.4	15.3	15.4	18.2	24.1	25.8	27.3	26.3	26.7
Grapefruit	11.0	13.8	26.0	21.6	25.8	27.7	26.4	25.1	23.6	19.0	22.1	(NA)
Orange	11.5	12.1	15.4	13.3	13.5	14.4	15.8	18.2	17.8	17.2	14.2	(NA)
Orange-grapefruit	3.2	2.9	2.5	1.7	2.8	1.6	1.9	1.4	1.5	1.1	.8	(NA)
Pineapple [6]	14.4	15.4	13.7	8.6	8.7	10.2	12.0	11.3	13.6	13.6	(NA)	(NA)
Tomato [9]	33.0	32.8	30.1	29.6	29.0	26.5	22.9	27.9	26.0	22.7	14.4	19.7
Seasonal vegetables	**175.3**	**204.1**	**208.7**	**242.3**	**249.8**	**217.5**	**237.1**	**233.3**	**265.6**	**230.5**	**227.8**	**225.7**
Asparagus	8.0	7.2	5.9	5.6	3.6	3.6	3.7	3.4	2.8	2.5	2.8	2.7
Beans, green and wax	33.2	45.6	47.6	62.3	55.4	47.4	54.5	57.1	66.3	58.2	52.8	48.9
Beans, lima	3.8	3.0	2.8	2.5	3.7	2.8	2.7	3.4	3.1	2.8	2.6	2.3
Beets [3]	6.8	10.0	11.3	15.1	13.1	9.2	11.3	13.0	15.1	10.9	9.7	10.9
Carrots [3]	5.0	4.5	5.4	6.9	4.7	5.2	6.6	6.3	7.3	4.4	5.3	5.9
Corn, sweet	35.3	39.1	47.0	46.4	57.5	54.7	56.3	57.9	60.0	50.6	57.9	60.5
Greens, leafy	2.9	2.7	3.5	4.6	3.0	3.1	2.6	2.9	3.2	2.6	2.1	1.6
Peas, field	2.1	1.8	2.4	2.8	2.0	1.9	2.2	2.4	2.5	2.0	2.9	2.0
Peas, green	28.7	37.6	28.7	33.1	35.2	31.9	30.2	25.3	36.5	30.1	27.3	24.8
Pimentos	.9	.8	.6	.4	.6	.7	.4	.4	.5	.5	.6	.8
Pumpkin and squash	5.0	3.9	4.0	4.2	5.8	5.5	3.0	3.4	4.0	3.7	4.0	4.4
Spinach [3]	7.8	6.4	7.3	10.8	8.3	6.3	7.1	6.2	8.1	6.3	5.5	(NA)
Tomatoes	31.0	36.0	39.0	43.8	53.5	42.8	54.1	49.2	52.9	53.1	51.9	63.1
Other vegetable packs [10]	2.8	5.5	3.2	3.8	3.4	2.4	2.4	2.4	3.3	2.8	2.4	.4
Nonseasonal vegetables:												
Sweet potatoes [3]	6.9	11.1	9.8	12.8	7.7	8.0	7.2	9.4	9.2	5.9	8.0	7.0
White potatoes [3]	4.2	5.0	6.6	8.1	6.8	6.2	7.1	6.7	6.5	5.9	7.1	5.7
Chili sauce	**1.4**	**1.5**	**1.5**	**1.6**	**1.7**	**2.0**	**1.8**	**2.8**	**2.0**	**2.0**	**1.7**	**1.8**
Tomato puree	**5.4**	**6.5**	**5.9**	**10.3**	**13.8**	**8.4**	**9.8**	**8.4**	**10.4**	**8.1**	**6.9**	**9.8**
Seafood, salmon [11]	(NA)	**3.6**	**3.8**	**1.8**	**1.6**	**2.7**	**3.1**	**3.3**	**3.3**	**4.4**	**4.6**	**2.4**

NA Not available. [1] Basis: 24 No. 2½ cans. [2] Excludes pineapple. [3] Pack beginning in year shown. [4] California only. [5] Florida only. [6] Represents U.S. pack and foreign operations. [7] Beginning 1965, purple plums only. [8] Basis: 24 No. 2 cans. [9] Beginning 1970, excludes combination vegetable-tomato juices. [10] Okra; okra and tomatoes; for 1965, mushrooms; and, for 1960-1981, succotash and carrots and peas. [11] Basis: 48-1 lb. cans. Includes Alaska.

Source: National Food Processors Association, Washington, DC, *Canned Food Pack Statistics*, annual.

No. 1186. Principal Frozen Foods—Production: 1965 to 1983

[Represents commercial pack]

PRODUCT	Unit	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total fruits and vegetables	Mil. lb	3,672	4,937	6,077	5,780	6,120	6,933	7,103	7,450	6,923	7,598	8,305	7,835
Vegetable, excl. potatoes	Mil. lb	1,800	1,912	2,488	2,212	2,156	2,623	2,712	2,785	2,416	2,736	3,154	2,641
Potato products	Mil. lb	1,219	2,404	2,985	3,001	3,335	3,623	3,849	4,090	3,853	4,236	4,377	4,510
Fruits and berries	Mil. lb	653	621	604	567	629	687	543	575	653	626	774	684
Concentrates, juices and purees	Mil. gal	(NA)	(NA)	(NA)	(NA)	201	174	184	197	261	215	180	210
Seafood	Mil. lb	402	388	340	300	552	566	617	605	549	484	501	518
Poultry	Mil. lb	2,231	2,160	2,222	2,070	2,359	2,238	2,318	2,606	2,765	3,029	2,783	2,805

NA Not available.

Source: American Frozen Food Institute, Burlingame, CA, *Frozen Food Pack Statistics*, annual. (Copyright.)

No. 1187. Livestock—Number on Farms and Value: 1950 to 1984

[Alaska and Hawaii excluded from census data prior to 1959 and from annual data prior to 1965. Prior to 1960, data for sheep refer to stock sheep. See also *Historical Statistics, Colonial Times to 1970*, series K 564-569]

Year	All cattle			Hogs and pigs			Sheep and lambs		
	Number (mil. head)	Total value (bil. dol.)	Value per head (dol.)	Number (mil. head)	Total value (bil. dol.)	Value per head (dol.)	Number (mil. head)	Total value (mil. dol.)	Value per head (dol.)
Census data									
1950 (Apr. 1)	76.9	9.1	119	55.8	1.1	19.70	31.4	555	17.69
1954 (Oct.-Nov.)	95.0	8.2	87	57.1	1.9	33.13	[1]31.6	472	14.93
1959 (Oct. 1)	92.5	12.5	135	67.9	1.4	20.18	33.9	556	16.38
1964 (Nov.-Dec.)	105.6	11.9	113	54.1	1.3	24.47	25.5	409	16.04
1969 (Dec. 31)	106.4	19.0	179	55.5	2.2	38.85	21.6	532	24.63
1974 (Dec. 31)	113.2	18.5	163	45.5	2.1	45.37	15.4	474	30.79
1978 (Dec. 31)	103.9	42.0	404	57.7	4.8	83.20	12.2	883	72.37
1982 (Dec. 31)	104.5	43.1	412	55.4	5.0	90.30	12.4	646	52.10
Annual data (Jan. 1)[2]									
1950	78.0	9.6	124	58.9	1.6	27.10	26.2	466	17.80
1955	96.6	8.5	88	50.5	1.5	30.60	27.1	404	14.90
1960	96.2	13.2	137	59.0	1.1	18.50	33.2	546	16.50
1965	109.0	12.4	113	50.8	1.2	24.50	25.1	401	16.00
1970	112.4	20.2	179	56.7	2.2	39.00	20.4	513	25.10
1971	114.6	21.1	184	67.3	1.6	23.50	19.7	465	23.60
1972	117.9	24.5	208	62.4	1.8	28.50	18.7	429	22.90
1973	121.5	30.6	252	59.0	2.5	42.00	17.6	471	26.70
1974	127.8	37.5	293	60.6	3.7	60.40	16.3	535	32.80
1975	132.0	21.0	159	54.7	2.5	44.90	14.5	442	30.50
1976	128.0	24.3	190	49.3	4.0	80.40	13.3	496	37.30
1977	122.8	25.2	206	54.9	2.6	47.00	12.7	540	42.50
1978	116.4	27.0	232	56.5	3.6	63.20	12.4	641	51.60
1979	110.9	44.7	403	60.4	5.0	83.20	12.4	891	72.10
1980	111.2	55.8	502	67.4	3.8	56.00	12.7	992	78.20
1981	114.3	54.3	475	64.5	4.8	74.70	12.9	903	69.80
1982	115.6	48.0	415	58.7	4.1	70.10	13.0	740	57.00
1983	115.2	46.8	406	53.9	4.9	90.00	12.0	623	51.80
1984, prel.	114.0	45.1	396	55.8	3.3	58.90	11.4	594	52.10

[1] Excludes FL, GA, and SC. [2] Beginning 1970, data for hogs and pigs as of Dec. 1, preceding year.

Source: Census data—U.S. Bureau of the Census, *Census of Agriculture: 1969*, vol. II; *1974* and *1978*, vol. I. Annual data—U.S. Dept. of Agriculture, Statistical Reporting Service, annual livestock summaries. Also in *Agricultural Statistics*, annual.

No. 1188. Meats—Slaughtering, Production, and Trade: 1960 to 1983

[***Quantities represent carcass weight equivalent.*** 1960-1970 exclude Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583-594]

Item	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
All meats:												
Animals slaughtered, total	Mil. head	135.0	130.7	137.3	124.8	133.1	128.2	132.3	139.7	136.8	128.8	135.0
Under Federal inspection	Percent	78	82	89	91	93	93	94	94	94	95	95
Production, total[1]	Bil. lb	28.2	31.5	36.2	36.8	39.7	38.6	37.6	39.0	39.0	37.6	39.3
Federally inspected	Percent	78	82	89	90	93	93	94	94	94	95	95
Exports of U.S. production[2]	Mil. lb	223	250	305	449	586	646	673	642	714	680	682
Imports for consumption	Mil. lb	1,048	1,347	2,429	2,248	2,424	2,856	2,974	2,664	2,333	2,589	2,670
Beef:												
Animals slaughtered, total	Mil. head	26.0	33.2	35.4	41.5	42.4	40.0	34.0	34.1	35.3	36.2	37.0
Under Federal inspection	Percent	75	80	87	89	92	93	94	94	94	94	94
Production, total	Bil. lb	14.7	18.7	21.7	24.0	25.3	24.2	21.4	21.6	22.4	22.5	23.2
Federally inspected	Percent	78	82	88	90	92	93	94	94	94	95	95
Exports of U.S. production[2]	Mil. lb	55	91	101	110	167	214	215	220	252	305	312
Imports for consumption	Mil. lb	760	923	1,792	1,758	1,939	2,297	2,405	2,064	1,743	1,939	1,931
Veal:												
Animals slaughtered, total	Mil. head	8.6	7.8	4.2	5.4	5.7	4.3	2.9	2.7	2.9	3.1	3.2
Under Federal inspection	Percent	61	65	72	72	85	87	89	89	89	88	88
Production, total	Mil. lb	1,109	1,020	586	873	834	692	434	400	436	448	454
Federally inspected	Percent	56	56	57	57	68	71	73	74	74	76	78
Lamb and mutton:												
Animals slaughtered, total	Mil. head	16.2	13.3	10.8	8.1	6.6	5.5	5.2	5.7	6.2	6.6	6.8
Under Federal inspection	Percent	86	88	93	94	96	96	96	96	96	94	94
Production, total	Mil. lb	768	651	551	410	351	309	293	318	338	365	376
Federally inspected	Percent	87	88	93	94	94	94	94	94	94	95	95
Pork:												
Animals slaughtered, total	Mil. head	84.2	76.4	87.0	69.8	78.4	78.4	90.2	97.2	92.5	82.8	88.1
Under Federal inspection	Percent	79	83	90	93	96	96	96	96	96	96	96
Production, total[1]	Bil. lb	11.6	11.1	13.4	11.5	13.2	13.4	15.5	16.6	15.9	14.2	15.2
Federally inspected	Percent	79	84	90	93	94	95	95	95	95	96	96

[1] Excludes lard. [2] Includes shipments to territories.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Livestock and Meat Statistics*, annual.

No. 1189. Livestock on Farms—Liveweight Production, Value, and Annual Average Price Received by Farmers: 1970 to 1983

[Data for sheep exclude Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 575-582]

PRODUCTION AND PRICE	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983
All cattle: On farms	Mil.	112.4	132.0	122.8	116.4	110.9	111.2	114.3	115.6	115.2
Production [1]	Bil. lb	39.4	40.9	40.7	40.0	38.4	40.1	41.4	41.0	40.4
Beef, price per 100 lb	Dol.	27.10	32.20	34.40	48.50	66.10	62.40	58.60	56.70	55.50
Calves, price per 100 lb	Dol.	34.50	27.20	36.90	59.10	88.70	76.80	64.00	59.80	61.70
Value of production	Bil. dol.	10.9	12.8	14.0	19.6	26.0	25.4	23.8	22.8	22.1
Hogs and pigs: On farms	Mil.	67.3	49.3	56.5	60.4	67.4	64.5	58.7	53.9	55.8
Production [1]	Bil. lb	21.8	16.8	19.0	19.5	22.6	23.4	21.8	19.4	21.0
Price per 100 lb	Dol.	22.70	46.10	39.40	46.60	41.80	38.00	43.90	52.30	46.80
Value of production	Bil. dol.	5.0	7.8	7.5	9.1	9.4	8.8	9.5	10.2	9.8
Sheep: On farms	Mil.	20.4	14.5	12.7	12.4	12.4	12.7	12.9	13.0	12.0
Production [1]	Mil. lb	1,099	785	706	687	709	744	770	783	758
Sheep, price per 100 lb	Dol.	7.52	11.30	13.50	21.80	25.80	21.10	21.20	19.50	15.70
Lambs, price per 100 lb	Dol.	26.40	42.10	51.30	62.80	66.70	63.60	54.90	53.10	53.90
Value of production	Mil. dol.	260	303	320	382	410	401	359	355	352

[1] Includes adjustment for livestock shipped in and changes in inventory.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Meat Animals—Farm Production, Disposition, and Income, by States*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1190. Livestock on Farms—Number, By State: 1981 to 1984

[**In thousands.** As of **Jan. 1**, except for hogs and pigs, **Dec. 1**]

STATE	ALL CATTLE			MILK COWS [1]			SHEEP AND LAMBS			HOGS AND PIGS		
	1982	1983	1984	1982	1983	1984	1982	1983	1984	1981	1982	1983
U.S.	**115,604**	**115,199**	**114,040**	**11,012**	**11,076**	**11,140**	**12,966**	**12,026**	**11,411**	**58,688**	**53,935**	**55,819**
Alabama	1,950	1,910	1,870	60	55	52	(2)	(2)	(2)	540	480	440
Arizona	1,000	1,000	980	80	82	82	377	343	306	170	170	150
Arkansas	2,100	1,900	2,000	84	84	84	(2)	(2)	(2)	585	490	395
California	5,000	4,900	5,000	940	940	962	1,210	1,115	1,115	160	160	155
Colorado	3,025	3,040	3,120	75	75	77	710	750	690	330	290	260
Florida	2,350	2,425	2,330	190	190	190	(2)	(2)	(2)	257	290	190
Georgia	1,950	1,875	1,725	131	130	129	(2)	(2)	(2)	1,520	1,400	1,310
Idaho	1,850	1,950	1,890	168	175	172	498	429	383	150	105	120
Illinois	2,800	2,800	2,600	234	230	228	195	155	145	6,450	5,600	5,400
Indiana	1,750	1,700	1,640	207	204	204	138	118	113	4,100	4,400	4,200
Iowa	6,850	6,450	6,000	389	386	383	485	457	425	16,300	14,400	14,800
Kansas	6,000	5,750	6,000	124	127	120	200	242	225	1,770	1,670	1,600
Kentucky	2,600	2,700	2,630	240	243	242	25	23	28	1,040	960	1,000
Louisiana	1,450	1,350	1,300	102	102	101	10	9	10	130	135	110
Michigan	1,450	1,500	1,475	396	400	402	130	100	110	690	800	1,250
Minnesota	3,880	3,610	3,690	905	890	910	335	300	255	4,300	3,900	4,270
Mississippi	1,950	1,800	1,764	97	96	95	(2)	(2)	(2)	370	300	300
Missouri	5,400	5,500	5,200	245	252	254	133	126	128	3,400	3,500	3,550
Montana	2,900	2,990	3,150	29	29	29	616	560	509	200	154	180
Nebraska	7,250	7,200	6,900	122	121	121	225	205	195	4,100	3,600	3,900
Nevada	700	650	660	16	16	17	129	110	103	13	14	14
New Mexico	1,500	1,450	1,390	55	59	62	615	610	589	62	38	30
New York	1,959	2,025	2,050	921	935	943	70	63	61	165	100	110
North Carolina	1,160	1,100	1,120	134	131	135	8	8	7	1,980	2,150	2,300
North Dakota	2,000	2,100	2,140	92	95	99	280	222	224	280	210	260
Ohio	1,900	1,900	1,880	382	393	403	313	295	265	2,050	1,820	2,100
Oklahoma	5,800	5,350	5,500	110	110	110	105	117	115	245	200	290
Oregon	1,800	1,650	1,710	97	100	101	540	515	495	90	90	85
Pennsylvania	2,100	2,000	1,970	730	738	738	125	98	104	750	870	950
South Carolina	700	660	590	48	48	47	(2)	(2)	(2)	490	440	510
South Dakota	3,900	4,060	4,220	160	165	164	750	680	730	1,710	1,580	1,650
Tennessee	2,500	2,675	2,750	215	217	214	10	8	6	900	750	950
Texas	13,700	15,000	14,350	325	335	333	2,400	2,225	1,970	700	575	590
Utah	920	950	865	86	84	86	636	590	568	40	32	33
Virginia	1,850	1,700	2,020	172	172	170	170	155	130	640	500	550
Washington	1,580	1,570	1,650	207	213	214	83	65	62	60	51	53
Wisconsin	4,450	4,400	4,350	1,830	1,840	1,850	125	99	80	1,380	1,220	1,280
Wyoming	1,390	1,475	1,395	12	12	12	1,130	1,060	1,090	33	29	27
Other	2,190	2,134	2,166	602	602	605	191	175	175	538	462	457

[1] Represents cows and heifers that have calved, kept for milk. [2] Estimates discontinued.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, annual livestock summaries.

No. 1191. Dairying—Cows and Dairy Products: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series K 595-608]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983
Cows and heifers that have calved, kept for milk, Jan. 1 [1]	Mil. head	13.3	11.1	11.0	10.9	10.8	10.8	10.9	11.0	11.1
Milk produced on farms	Bil. lb.	117	115	123	122	123	129	133	136	140
Whole milk sold from farms [2]	Bil. lb.	113	112	120	119	121	126	131	133	138
Sales to plants and dealers	Bil. lb.	110	110	118	117	119	125	129	132	136
Cash receipts from marketing of milk and cream [2]	Bil. lb.	6.5	9.9	11.7	12.7	14.7	16.6	18.1	18.3	18.8
Sales to plants and dealers	Bil. lb.	6.3	9.7	11.5	12.4	14.4	16.3	17.8	18.0	18.5
Manufactured dairy products:										
Butter (incl. whey butter)	Mil. lb.	1,137	984	1,086	994	985	1,145	1,228	1,257	1,299
Cheese, total [3]	Mil. lb.	2,201	2,811	3,359	3,520	3,717	3,984	4,278	4,542	4,818
American (excl. full-skim American)	Mil. lb.	1,428	1,660	2,047	2,079	2,190	2,376	2,642	2,752	2,928
Swiss (including block)	Mil. lb.	144	174	189	209	213	219	214	221	209
Muenster, Brick, and Limburger	Mil. lb.	59	74	73	78	80	87	82	87	85
Cream and Neufchatel	Mil. lb.	126	160	176	198	212	228	241	263	270
All Italian varieties	Mil. lb.	394	672	793	876	929	983	994	1,088	1,200
Cottage cheese: Creamed [4]	Mil. lb.	1,038	991	1,017	1,024	998	825	773	749	742
Curd, pot, and bakers'	Mil. lb.	726	701	684	688	669	667	648	629	618
Condensed bulk milk	Mil. lb.	1,237	1,041	1,091	987	975	952	972	975	997
Evaporated and condensed canned milk	Mil. lb.	1,293	938	827	798	810	741	778	754	710
Dry whole milk	*Mil. lb.*	69	63	69	75	85	83	93	102	111
Nonfat dry milk solids [5]	Mil. lb.	1,456	1,009	1,115	927	915	1,168	1,322	1,410	1,510
Dry whey [6]	Mil. lb.	621	596	628	711	733	690	779	791	892
Dry buttermilk	Mil. lb.	60	43	53	48	45	44	44	39	46
Ice cream of all kinds	Mil. gal.	762	837	810	815	811	830	832	852	879
Milk sherbet	Mil. gal.	49	49	50	48	45	45	46	46	48
Ice milk	Mil. gal.	287	299	308	310	297	293	291	281	295
Wholesale prices:										
Cheese, American:										
40-lb. blocks, Wis. assembly points	Cents per lb.	55.0	86.6	96.8	107.1	123.8	133.0	139.4	138.3	138.3
Single daisies, Chicago	Cents per lb.	64.9	104.4	118.7	130.1	141.4	156.2	167.2	168.4	168.2
Butter, N.Y. (Grade A)	*Cents per lb.*	*70.4*	*81.8*	*101.5*	*114.1*	*127.2*	*144.8*	(NA)	(NA)	(NA)
Prices received by farmers, whole milk:										
Wholesale, per 100 lb.	Dollars	5.71	8.75	9.72	10.60	12.00	13.00	13.80	13.60	13.60
Sold directly to consumers	Cents per qt.	27.0	35.4	36.7	38.8	42.3	45.3	48.3	48.1	48.4

NA Not available. [1] For 1970, cows and heifers 2 years old and over. [2] Comprises sales to plants and dealers, and retail sales by farmers direct to consumers. [3] Includes varieties not shown separately. Beginning 1975, includes full-skim. [4] Includes partially creamed (low fat). [5] Includes dry skim milk for animal feed. [6] Includes animal but excludes modified whey production.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Production of Manufactured Dairy Products*, annual; and *Milk Production, Disposition, and Income*, annual.

No. 1192. Whole Milk Sold—Quantity and Cash Receipts, by State: 1981 to 1983

[Covers sales of milk to plants and dealers]

STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)		
	1981	1982	1983	1981	1982	1983
U.S.	129,237	132,156	136,385	17,797	17,985	18,530
AL	595	572	570	87	84	84
AZ	1,120	1,190	1,225	158	165	170
AR	757	797	847	110	115	122
CA	13,830	14,165	14,437	1,857	1,871	1,885
CO	845	880	902	126	130	134
CT	600	620	630	87	89	91
FL	2,069	2,094	2,099	348	343	346
GA	1,376	1,395	1,380	202	201	200
ID	2,090	2,185	2,225	268	277	285
IL	2,569	2,616	2,675	355	353	361
IN	*2,249*	*2,300*	*2,330*	*310*	*313*	*317*
IA	4,205	4,185	4,227	559	552	558
KS	1,365	1,326	1,355	191	186	190
KY	2,191	2,280	2,330	298	308	315
LA	960	940	920	143	138	134
ME	680	710	720	101	104	106
MD	1,544	1,568	1,592	221	220	223
MA	540	565	575	79	82	84
MI	4,995	5,145	5,410	689	700	736
MN	9,990	10,270	10,835	1,307	1,333	1,402
MS	840	880	870	121	125	124
MO	2,840	2,864	3,055	381	381	406
NE	*1,370*	*1,310*	*1,385*	*184*	*174*	*184*
NH	330	348	366	48	50	53
NJ	467	468	477	66	65	67
NY	10,755	10,790	11,370	1,484	1,478	1,558
NC	1,560	1,636	1,656	234	240	245
ND	960	985	1,032	121	123	129
OH	4,310	4,480	4,695	595	614	639
OK	1,105	1,120	1,130	159	161	158
OR	1,125	1,205	1,250	156	166	173
PA	8,365	8,755	9,015	1,188	1,226	1,262
SC	525	540	546	82	83	85
SD	*1,740*	*1,740*	*1,818*	*224*	*226*	*235*
TN	2,210	2,230	2,160	307	303	294
TX	3,575	3,690	3,901	529	539	566
UT	1,060	1,110	1,116	139	143	144
VT	2,250	2,335	2,365	322	329	336
VA	1,993	2,035	2,050	281	283	285
WA	2,870	3,070	3,320	387	408	442
WV	330	337	363	46	46	49
WI	22,460	22,680	23,230	3,005	2,998	3,073
Other	1,627	1,745	1,931	242	260	280

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Milk: Production, Disposition, and Income, 1981-83.*

No. 1193. Poultry—Number on Farms, Value, Eggs Produced, and Prices: 1960 to 1983

[Beginning 1970, data for chickens, eggs, and broilers are for Dec. 1 of previous year to Nov. 30 of year stated, except as noted. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 609–623]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Chickens: [1] Number [2]	Million	369	394	433	380	387	397	401	392	385	379	365
Value per head [2]	Dollars	1.06	1.17	1.21	1.74	1.69	1.75	1.81	1.88	1.89	1.85	1.96
Value, total [2]	Mil. dol	391	462	525	660	652	696	726	739	727	701	716
Number produced	Million	260	240	264	233	245	242	251	241	242	246	232
Price per lb	Cents	12.2	8.9	9.1	9.9	12.3	12.4	13.9	11.0	11.1	10.3	12.7
Production value	Mil. dol	139	101	107	105	145	142	171	129	132	121	145
Eggs: Number produced	Mil. doz	5,134	5,463	5,684	5,386	5,384	5,596	5,767	5,807	5,819	5,809	5,676
Price per dozen	Cents	36.1	33.7	39.1	52.4	55.6	52.2	58.3	56.3	63.1	59.5	61.1
Production value	Mil. dol	1,848	1,841	2,221	2,819	2,995	2,921	3,360	3,268	3,671	3,458	3,465
Broilers: [3] Number produced	Million	1,795	2,334	2,987	2,950	3,394	3,614	3,951	3,964	4,150	4,151	4,184
Price per lb	Cents	16.9	15.0	13.6	26.3	23.6	26.3	26.0	27.7	26.5	26.9	28.6
Production value	Mil. dol	1,014	1,217	1,475	2,915	3,059	3,676	4,032	4,304	4,703	4,506	4,873
Turkeys: [4] Number [2]	1,000	5,633	6,100	3,173	3,014	3,038	3,370	3,705	3,749	3,514	3,429	3,155
Value per head [2]	Dollars	4.89	4.40	5.82	10.81	11.39	12.53	13.58	14.11	15.35	14.80	17.59
Value, total [2]	Mil. dol	28	27	18	33	35	42	50	53	54	50	56
Turkeys, number raised	Million	84	106	116	124	136	139	156	165	171	165	170
Price per lb	Cents	25.4	22.2	22.6	34.8	35.5	43.6	41.1	41.3	38.2	39.5	38.0
Gross income	Mil. dol	377	424	498	793	910	1,157	1,214	1,268	1,247	1,246	1,261

[1] Excludes commercial broilers. [2] 1960 and 1965, as of Jan. 1; beginning 1970, as of Dec. 1. [3] Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2–5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens. [4] Beginning 1970, data are for breeder hens only and cover the 26 major producing States. Beginning 1981, number of States covered reduced to 24.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Hatchery Production—Annual; Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income;* and *Turkeys.*

No. 1194. Poultry—Production, by State: 1981 to 1983

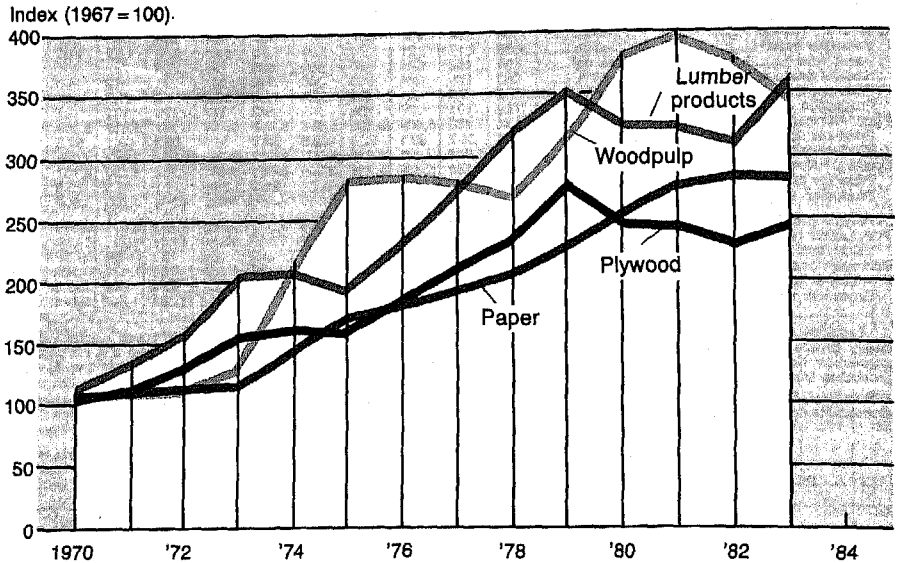
[**In millions.** See *Historical Statistics, Colonial Times to 1970*, series K 611, 614, 617, and 621 for U.S. totals]

STATE	Chickens Produced			Broilers Produced			Chicks Hatched Commercially [1]			Turkeys Raised		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1981	1982	1983
U.S.	**242.1**	**246.1**	**231.6**	**4,149.8**	**4,151.3**	**4,183.7**	**4,870.8**	**4,890.0**	**4,854.9**	**170.8**	**164.5**	**169.8**
Alabama	13.2	12.5	13.9	519.3	500.2	515.7	620.4	628.5	643.8	–	–	–
Arkansas	19.1	21.5	23.7	675.1	668.5	673.1	775.5	780.9	791.9	15.1	13.0	12.9
California	19.5	21.7	18.0	158.8	167.4	171.6	214.7	222.9	217.0	21.8	20.0	20.2
Connecticut	2.9	3.3	3.6	–	–	–	(D)	(D)	(D)	–	–	–
Delaware	.9	1.0	1.0	169.6	177.8	181.9	126.7	139.3	140.4	.2	.2	.3
Florida	11.2	8.6	6.3	92.4	97.2	97.4	155.4	150.6	147.2	–	–	–
Georgia	20.0	19.9	15.4	614.7	610.7	626.6	683.7	677.2	667.9	2.7	2.7	2.3
Illinois	3.8	3.7	2.8	–	–	–	10.4	10.7	7.6	.4	.3	.2
Indiana	14.9	16.6	17.2	(D)	(D)	(D)	40.4	42.3	41.8	6.6	6.8	6.7
Iowa	7.4	7.4	8.3	3.1	3.3	2.6	24.5	22.3	19.2	7.1	6.7	6.7
Kentucky	1.9	1.7	1.4	3.1	2.9	3.1	(D)	(D)	(D)	–	–	–
Louisiana	2.2	2.2	2.0	104.3	(D)	(D)	(D)	(D)	(D)	–	–	–
Maine	5.2	4.7	4.1	(D)	(D)	(D)	(D)	(D)	(D)	–	–	–
Maryland	3.0	4.4	4.1	253.3	267.2	260.5	321.3	342.1	325.1	.1	.1	.1
Massachusetts	1.5	.8	.8	–	–	–	(D)	(D)	(D)	.1	.1	.2
Michigan	5.0	4.4	4.4	1.1	1.2	1.1	9.3	5.2	(D)	1.6	1.4	1.6
Minnesota	7.3	8.9	8.8	21.5	23.7	24.4	39.3	43.3	13.8	25.7	26.0	27.0
Mississippi	5.8	5.4	6.6	290.1	298.6	316.3	291.1	304.7	314.8	–	–	–
Missouri	6.1	5.6	5.4	26.1	(D)	(D)	16.9	15.7	12.3	12.0	12.0	13.0
New York	7.1	6.7	6.6	.5	.6	.6	7.5	5.8	(D)	.3	.3	.3
North Carolina	11.8	11.5	11.3	423.2	418.6	419.7	450.0	448.2	464.3	26.8	27.0	28.7
Ohio	8.5	10.3	10.2	12.8	13.5	11.0	(D)	(D)	(D)	2.5	2.7	2.4
Oklahoma	2.4	2.2	2.4	50.9	51.2	55.2	1.3	1.1	1.1	1.6	2.1	1.6
Oregon	1.8	2.0	1.7	18.2	16.0	13.0	8.7	(D)	(D)	1.4	1.1	.8
Pennsylvania	16.6	16.8	14.9	115.1	114.9	102.6	162.8	172.5	153.2	5.7	5.3	6.8
South Carolina	4.9	5.1	3.8	43.6	48.0	52.2	51.1	54.2	56.2	2.9	2.6	2.2
Tennessee	2.0	2.7	2.5	64.5	(D)	(D)	28.2	(D)	(D)	–	–	–
Texas	10.0	11.2	9.7	231.7	222.5	212.6	292.9	275.1	251.0	7.3	5.2	5.4
Virginia	3.2	3.2	2.7	133.8	140.1	144.0	171.1	172.4	171.8	10.0	10.1	11.4
Washington	4.8	4.5	3.8	21.9	21.8	20.5	(D)	(D)	(D)	–	–	–
West Virginia	.6	.7	.7	25.0	26.1	28.6	(D)	(D)	(D)	2.1	2.1	1.8
Wisconsin	3.3	2.4	2.4	12.5	11.7	11.3	(D)	(D)	(D)	6.0	6.7	7.1
Other	14.3	12.7	11.4	63.6	247.6	238.0	368.0	375.0	414.5	10.8	10.0	10.1

– Represents zero. D Withheld to avoid disclosure. [1] By commercial hatcheries.

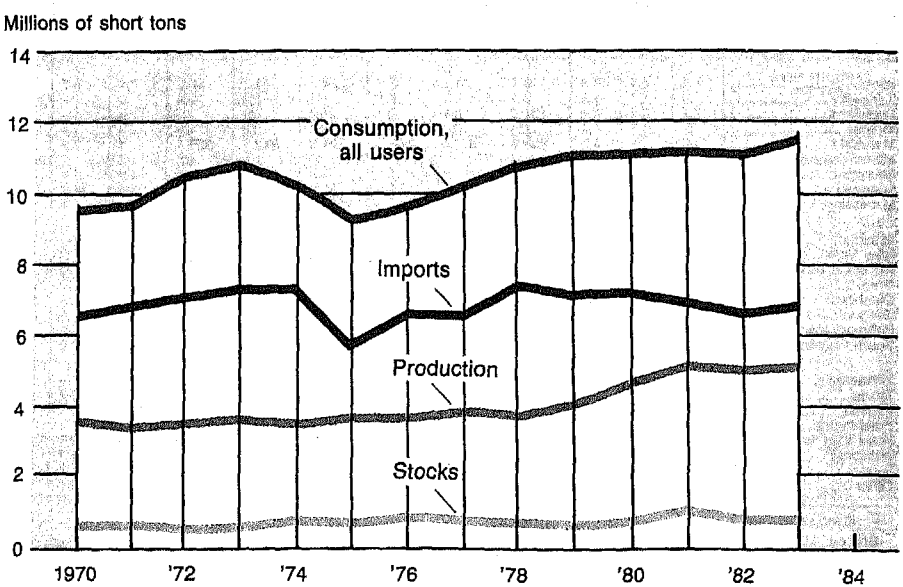
Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Hatchery Production—Annual; Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income;* and *Turkeys.*

Figure 25.1
Selected Timber Products—Producer Price Indexes: 1970 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1204.

Figure 25.2
Newsprint—Production, Stocks, Consumption, and Imports: 1970 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1210.

1985

Section 25

Forests and Forest Products

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, turpentine and rosin, and similar data.

The principal sources of these data are: *An Analysis of the Timber Situation in the United States, 1952–2030, Appendix 3; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–83; Land Areas of the National Forest System;* and *Wildfire Statistics,* issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports,* issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or causes of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

No. 1195. National Forest Lands and Purchases: 1950 to 1983

[Area as of **June 30** except, beginning **1980**, as of **Sept. 30**; purchases for years ending **June 30**, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970,* series L 10–14]

ITEM	Unit	1950	1955	1960	1965	1970	1975	1980	1981	1982	1983
Gross area [1]	Mil. acres	229	236	227	226	226	226	226	230	230	230
National Forest System	Mil. acres	181	188	186	187	187	188	187	191	191	191
Approved for purchase	1,000 acres	61	19	8	29	92	12	42	111	2	7
Average price per acre	Dollars	9	10	15	47	125	275	664	454	675	332
Total price	Mil. dol	.5	.2	.1	1.3	11.5	3.3	27.9	50.4	1.5	2.4
Purchases completed	1,000 acres	97	12	8	33	113	34	27	83	13	31
Average price per acre	Dollars	7	12	31	39	96	267	617	530	409	330
Total price	Mil. dol	.7	.1	.2	1.3	10.9	9.1	17.1	44.0	5.2	10.0
Gross area of purchase units	Mil. acres	53	62	56	56	56	56	56	56	58	58
Purchase completed, net area [2]	Mil. acres	19	19	19	19	20	20	20	20	20	20
Average price per acre	Dollars	4	4	4	4	6	9	12	14	14	15
Total price	Mil. dol	71	73	75	79	125	179	250	278	284	294

[1] Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas). [2] Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976;* and U.S. Forest Service, *Land Areas of the National Forest System,* annual; and unpublished data.

No. 1196. National Forest System—Summary: 1960 to 1983

[Through **1975**, for years ending **June 30**, except as noted; thereafter, ending **Sept. 30**. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983
Timber cut, total value	Mil. dol.	157.1	161.9	308.6	368.4	858.5	973.0	736.6	728.9	348.7	655.9
Commercial and cost sales: [1]											
Volume	Mil. bd. ft.	9,367	11,244	11,527	9,174	10,080	10,377	9,178	8,036	6,747	9,244
Value	Mil. dol.	156.4	161.1	307.6	366.0	854.7	968.0	729.8	720.9	339.2	649.7
Free use:											
Volume	Mil. bd. ft.	123	191	179	618	1,221	1,637	2,070	2,107	2,343	1,071
Value [2]	Mil. dol.	.2	.3	.3	1.1	2.6	3.8	5.7	6.4	7.5	4.5
Misc. forest products	Mil. dol.	.5	.5	.7	1.4	1.2	1.1	1.1	1.6	2.0	1.7
Livestock grazing: [3]											
Cattle and horses [4]	1,000	1,307	1,376	1,607	1,626	1,557	1,540	1,521	1,535	1,562	1,609
Sheep and goats	1,000	2,574	2,112	2,105	1,549	1,284	1,249	1,328	1,341	1,340	1,242
Roads and trails:											
Road construction [5]	Miles	851	1,613	942	136	793	820	925	1,217	1,867	2,016
Trail construction [5]	Miles	142	671	278	298	[6] 2,119	[6] 1,390	[6] 2,419	[6] 727	(NA)	(NA)
Expenditures	Mil. dol.	43.2	105.5	155.1	157.7	279.6	292.0	266.5	(NA)	(NA)	(NA)
Receipts, total	Mil. dol.	148.2	149.2	299.7	373.1	765.4	881.0	702.9	680.7	350.2	495.3
Timber use	Mil. dol.	140.1	138.8	283.9	341.3	723.3	827.6	625.4	581.4	251.0	398.5
Grazing use	Mil. dol.	4.5	3.5	4.4	7.7	11.0	12.5	15.8	14.9	12.4	10.2
Special land use, etc.	Mil. dol.	3.6	6.9	11.4	24.1	31.0	40.9	61.6	84.4	86.8	86.6
Payments to local gov't. [7]	Mil. dol.	36.1	36.2	72.8	91.0	240.7	279.8	240.1	243.0	144.3	203.5
25-percent fund [8]	Mil. dol.	35.4	35.5	71.9	89.8	238.9	277.0	233.6	230.5	132.6	192.7
Other [9]	Mil. dol.	.7	.7	.9	1.2	1.9	2.8	6.5	12.5	11.7	10.8
Allotments to Forest Service, total [10]	Mil. dol.	14.9	15.0	29.5	39.5	83.0	93.9	73.1	68.2	35.2	49.0
Roads and trails	Mil. dol.	14.2	14.2	28.8	35.9	73.5	84.2	65.5	60.9	29.4	44.5
Other	Mil. dol.	.7	.8	.8	3.6	9.5	9.7	7.6	7.3	5.8	4.5

NA Not available. [1] Includes land exchanges. [2] Includes some free use timber not *reducible to board feet.* [3] For 1960–1970, data for livestock permitted to graze; 1975 for authorized use; 1978–1983 for number actually grazed. Calendar-year data. Excludes Puerto Rico. [4] Excludes animals under 6 months of age. 1960–1970 includes swine. Includes burros beginning in 1978. [5] Includes reconstruction. Through 1965, excludes national grasslands. [6] Figures include work done by the Human Resources Programs. [7] Payments made in following year. [8] Includes Tongass Alaska suspense account. [9] Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. [10] For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics,* annual, and unpublished data.

No. 1197. Forest Land—Total and Commercial Area, Volume of Sawtimber, and Growing Stock: 1952 to 1977

[As of **Jan. 1**. For composition of regions, see table 1198]

YEAR AND REGION	Total forest land (mil. acres)	Commercial timberland, ownership [1]: All ownerships (mil. acres)	Federally owned or managed [2] (mil. acres)	State, county, and municipal (mil. acres)	Private: Total (mil. acres)	Private: Percent of total	Net volume of sawtimber [3]: Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Hardwood (bil. bd. ft.)	Growing stock, net (bil. cu. ft.)
United States, 1952	664	489	117	27	356	71.3	2,512	2,066	446	603
North	209	169	13	18	137	81.1	249	59	190	111
South	197	192	14	3	175	91.1	409	197	213	136
West	258	138	89	6	43	31.2	1,854	1,811	44	356
United States, 1962	759	509	117	27	366	71.9	2,516	2,033	484	648
North	178	171	12	18	140	81.9	282	70	212	137
South	220	200	14	3	183	91.5	465	246	219	156
West	360	139	90	6	42	30.2	1,769	1,717	52	354
United States, 1970	754	496	112	30	355	71.6	2,538	2,002	537	680
North	186	169	12	18	138	81.7	320	83	237	156
South	212	193	14	3	175	90.7	535	296	239	177
West	355	135	85	8	42	31.1	1,684	1,623	61	348
United States, 1977	737	482	105	30	347	72.0	2,579	1,985	594	711
North	178	166	12	19	136	81.9	359	97	263	173
South	207	188	14	3	170	90.4	615	341	274	202
West	352	128	79	8	41	32.0	1,605	1,548	57	336

[1] See footnote 1, table 1198. [2] Includes Indian land. [3] See footnote 3, table 1198.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952–2030,* Appendix 3.

No. 1198. Forest Land Area, Commercial Area Ownership, and Volume of Sawtimber and Growing Stock, by State: 1977 (Jan. 1)

State	Total forest land (1,000 acres)	Commercial timberland, ownership[1] (1,000 acres)				Sawtimber net volume[3]		Growing stock, net volume[4]	
		Total	Federally owned or managed[2]	State, county, municipal	Private	Total (mil. bd. ft.)	Softwood (mil bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S	**736,558**	**482,486**	**105,472**	**30,249**	**346,764**	**2,578,940**	**1,985,408**	**710,968**	**455,779**
North	**177,662**	**166,141**	**11,964**	**18,549**	**135,628**	**359,021**	**96,504**	**173,145**	**44,574**
New Eng	**32,461**	**30,985**	**770**	**1,317**	**28,898**	**75,507**	**43,800**	**41,848**	**23,383**
CT	1,861	1,806	2	144	1,659	5,870	1,305	2,662	425
ME	17,718	16,864	73	468	16,323	36,118	25,232	22,604	16,060
MA	2,952	2,798	10	356	2,432	7,868	4,168	3,893	1,439
NH	5,014	4,692	472	108	4,112	14,564	8,607	7,286	3,526
RI	404	395	-	32	363	697	289	412	108
VT	4,512	4,430	213	209	4,008	10,391	4,199	4,990	1,826
Mid. Atl	**50,686**	**46,415**	**1,505**	**4,554**	**40,355**	**101,959**	**17,094**	**56,461**	**7,606**
DE	392	384	1	13	370	1,393	408	625	169
MD	2,653	2,523	25	218	2,280	8,167	1,726	3,492	793
NJ	1,928	1,857	28	291	1,538	3,127	575	1,534	251
NY	17,218	14,243	58	835	13,351	26,086	7,771	13,256	3,523
PA	16,826	15,924	503	2,968	12,453	34,251	3,714	23,403	1,778
WV	11,669	11,484	892	229	10,363	28,934	2,901	14,153	1,092
Lake	**51,644**	**47,579**	**6,750**	**11,886**	**28,944**	**97,766**	**30,984**	**44,517**	**11,901**
MI	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
MN	16,709	13,695	2,336	4,992	6,367	24,607	8,531	11,454	3,477
ND	422	405	114	10	281	474	-	257	(z)
SD (east)	335	223	74	3	146	448	66	134	23
WI	14,908	14,478	1,753	2,934	9,792	29,797	9,183	13,457	3,340
Central	**42,872**	**41,163**	**2,940**	**792**	**37,431**	**83,788**	**4,625**	**30,319**	**1,684**
IL	3,810	3,692	269	11	3,413	7,094	30	2,180	24
IN	3,943	3,815	239	171	3,405	10,967	255	3,758	87
IA	1,561	1,460	57	56	1,348	3,419	14	1,038	6
KS	1,344	1,187	27	10	1,151	2,020	1	584	1
KY	12,161	11,902	819	77	11,007	28,941	2,091	11,968	916
MO	12,876	12,289	1,313	219	10,757	15,270	1,292	6,022	392
NE	1,029	789	67	12	710	1,737	510	442	119
OH	6,147	6,029	150	237	5,642	14,341	433	4,328	139
South	**206,875**	**188,046**	**14,485**	**3,245**	**170,315**	**614,709**	**341,023**	**202,009**	**97,136**
So. Atl	**48,710**	**47,677**	**3,897**	**883**	**42,897**	**171,401**	**74,317**	**59,988**	**23,333**
NC	20,043	19,562	1,365	398	17,799	76,794	35,375	26,131	10,742
SC	12,249	12,176	862	233	11,081	40,837	22,809	14,201	7,079
VA	16,417	15,939	1,670	252	14,017	53,771	16,134	19,657	5,512
E. Gulf	**42,296**	**40,142**	**3,040**	**620**	**36,482**	**112,478**	**74,078**	**40,134**	**24,405**
FL	17,040	15,330	1,623	492	13,215	31,950	21,129	11,733	7,525
GA	25,256	24,812	1,417	128	23,268	80,529	52,949	28,402	16,880
Ctr. Gulf	**51,237**	**50,657**	**2,935**	**1,016**	**46,707**	**162,351**	**87,903**	**51,977**	**23,555**
AL	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
MI	16,718	16,504	1,216	461	14,828	60,642	35,370	17,234	8,929
TN	13,161	12,820	919	346	11,555	32,313	6,024	12,504	2,287
W. Gulf	**64,632**	**49,569**	**4,614**	**726**	**44,229**	**168,478**	**104,724**	**49,910**	**25,843**
AR	18,282	18,207	2,718	256	15,233	48,969	26,462	17,145	7,060
LA	14,558	14,527	694	309	13,525	63,418	38,648	17,431	9,417
OK	8,513	4,323	463	105	3,755	6,067	3,576	2,062	1,010
TX	23,279	12,513	740	56	11,717	50,025	36,039	13,272	8,356
West	**352,021**	**128,299**	**79,023**	**8,455**	**40,821**	**1,605,211**	**1,547,882**	**335,814**	**314,069**
Pac. NW	**172,136**	**53,283**	**29,552**	**5,630**	**18,101**	**950,326**	**911,892**	**186,130**	**173,155**
AK	119,145	11,150	8,423	2,438	289	188,858	184,406	43,073	40,620
OR	29,810	24,211	14,201	926	9,084	431,172	414,166	79,554	74,735
WA	23,181	17,922	6,928	2,266	8,728	330,296	313,300	63,503	57,800
Pac. SW	**42,138**	**17,251**	**8,581**	**548**	**8,122**	**264,716**	**255,611**	**49,870**	**45,979**
CA	40,152	16,303	8,569	106	7,628	263,669	255,594	49,668	45,975
HI	1,986	948	12	442	494	1,047	17	202	4
No. Rocky Mt	**55,682**	**33,478**	**23,227**	**1,595**	**8,657**	**269,646**	**267,567**	**68,699**	**67,942**
ID	21,727	13,541	9,640	880	3,021	139,618	139,050	31,884	31,662
MT	22,559	14,359	9,260	534	4,565	97,334	96,238	27,977	27,691
SD (west)	1,367	1,244	958	70	215	5,615	5,597	1,643	1,627
WY	10,028	4,334	3,369	111	855	27,079	26,683	7,195	6,963
So. Rocky Mt	**82,065**	**24,287**	**17,663**	**682**	**5,941**	**120,524**	**112,812**	**31,116**	**26,993**
AZ	18,494	3,896	3,696	34	166	22,711	22,063	4,982	4,763
CO	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
NV	7,683	134	61	5	69	1,368	1,363	262	249
NM	18,060	5,538	3,439	171	1,927	25,919	24,346	6,395	5,796
UT	15,557	3,405	2,505	239	661	15,565	14,357	4,440	3,562

- Represents zero. Z Less than 500,000 cubic feet. [1] Commercial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [2] Includes Indian lands. [3] Net volume of the saw log portion of live sawtimber trees in board feet, International ¼-inch log rule. [4] Net volume in cubic feet of live sawtimber and poletimber trees from stump to a minimum 4-inch top (of central stem) outside bark or to the point where the central stem breaks into limbs.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952–2030*, Appendix 3.

No. 1199. National Forest Lands—States and Other Areas: 1983

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries	STATE OR OTHER AREA	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries
Total	**229,971**	**190,811**	**39,160**	NV	5,424	5,150	274
AL	1,274	644	630	NH	819	706	113
AK	24,018	23,043	975	NM	10,384	9,347	1,037
AZ	11,933	11,270	663	NY	13	13	-
AR	3,502	2,479	1,023	NC	3,165	1,216	1,949
CA	24,287	20,435	3,852	ND	1,106	1,106	(z)
CO	16,013	14,431	1,582	OH	834	178	656
CT	(z)	(z)	-	OK	461	294	167
FL	1,225	1,099	126	OR	17,456	15,618	1,838
GA	1,911	871	1,040	PA	743	511	232
HI	(z)	(z)	-	SC	1,382	611	771
ID	21,704	20,431	1,273	SD	2,348	1,997	351
IL	840	262	578	TN	1,212	625	587
IN	645	188	457	TX	1,994	782	1,212
KS	117	108	9	UT	9,129	8,045	1,084
KY	2,102	673	1,429	VT	629	294	335
LA	1,023	598	425	VA	3,226	1,632	1,594
ME	94	51	43	WA	10,039	9,054	985
MI	4,873	2,759	2,114	WV	1,861	973	888
MN	5,467	2,800	2,667	WI	2,023	1,504	519
MS	2,310	1,144	1,166	WY	9,717	9,254	463
MO	3,082	1,469	1,613	PR	56	28	28
MT	19,088	16,766	2,322	VI	(z)	(z)	-
NE	442	352	90				

- Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1195.

Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

No. 1200. Wildfires—Summary: 1960 to 1981

[See also *Historical Statistics, Colonial Times to 1970*, series L 44-55]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981
ACREAGE (1,000)									
Protected area: Federal [1 2]	362,836	655,001	647,239	677,949	681,564	680,185	680,223	680,261	685,552
Area burned [1]	622	146	719	408	802	202	1,237	751	946
State and private [3 4]	402,800	472,023	520,501	726,356	748,692	773,772	783,609	805,927	840,163
Area burned	1,909	1,206	1,541	1,119	2,096	1,553	1,317	2,348	3,235
Unprotected area: Federal	-	55	65,537	54,232	54,232	54,232	54,232	54,232	54,232
State and private	32,030	30,294	45,751	70,848	98,501	93,972	89,518	115,204	103,307
Area burned	1,947	1,300	1,019	(NA)	(NA)	2,156	433	2,162	634
REPORTED FIRES (1,000)									
Total	103.4	113.7	121.7	134.9	174.0	218.8	163.2	234.9	249.4
On protected areas [4]	89.6	100.6	116.4	103.3	158.9	144.9	118.3	[5] 155.7	[5] 189.2
Federal area [6]	[7] 12.1	9.1	15.0	12.3	16.3	14.1	13.9	14.6	15.4
State and private	91.3	104.6	106.8	122.6	157.7	204.8	149.3	220.3	234.0
Protected	77.5	91.5	101.5	91.0	142.6	130.8	104.4	141.0	173.8
Unprotected	13.8	13.1	5.3	31.6	15.1	74.0	44.9	79.2	60.2
Cause of fires: [5]									
Incendiary (arson)	21.2	26.9	30.9	28.2	45.3	46.2	32.5	45.2	57.7
Debris burning	21.9	22.9	28.3	18.2	36.1	31.5	26.5	35.5	45.4
Smoking	16.0	16.5	14.5	10.5	15.4	13.2	10.2	12.6	19.7
Lightning	11.1	8.7	12.8	9.4	15.8	10.8	9.7	11.3	12.4
Caused by children	(NA)	(NA)	7.7	10.8	13.1	11.6	11.2	11.8	12.9
Railroads	3.9	([8])	6.8	5.2	8.1	6.9	5.5	7.2	6.7
Equipment use	(NA)	(NA)	3.4	4.6	6.7	7.1	7.2	9.2	9.2
Campfires	3.6	3.4	3.8	4.0	4.6	4.3	3.8	4.2	4.4
Miscellaneous [9]	12.0	22.1	8.1	12.4	13.7	13.3	11.7	16.7	19.0
FIRE PROTECTION EXPENDITURES [3 10] (mil. dol.)									
Total funds	56.6	76.6	113.5	169.0	217.0	212.0	216.2	(NA)	(NA)
Federal	9.4	12.8	16.4	25.2	20.7	30.0	30.6	22.7	19.9
State and county	45.1	62.6	95.3	143.9	196.3	182.0	185.6	[11] 220.7	[11] 251.8
Private	2.2	1.2	1.8						

- Represents zero. NA Not available. [1] Comprises land administered by U.S. Dept. of Agriculture, U.S. Dept. of Interior, and Tennessee Valley Authority, etc. [2] Beginning 1965, includes nonforest watershed areas under U.S. Dept. of Interior protection. [3] 1960 excludes Alaska; 1975 and 1977 include Guam. [4] Includes nonforest watershed areas. [5] Includes 2,000 fires in 1980 and 1,700 in 1981 in Puerto Rico not reported by cause. [6] *For protected areas only.* [7] Excludes nonforest watershed lands under U.S. Dept. of Interior protection. [8] Included in various other classifications. [9] 1960, lumbering included in "Miscellaneous"; thereafter in various other classifications. [10] For fire protection on State, county, and private lands only; years ending June 30, through 1975; thereafter, ending Sept. 30. [11] State funds only.

Source: U.S. Forest Service, *Wildfire Statistics*, annual, and unpublished data.

No. 1201. Timber-Based Industries—Employment and Average Hourly Earnings: 1970 to 1983

[Data for production or nonsupervisory workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Lumber and wood products [1]	554	517	578	553	488	548	2.96	4.26	6.55	6.99	7.43	7.79
Logging camps and contractors	(NA)	59	71	64	57	63	(NA)	5.28	8.64	9.11	9.79	10.17
Sawmills and planing mills	196	180	190	179	155	172	2.84	4.34	6.70	7.19	7.73	8.19
Millwork, plywood, and structural members	(NA)	137	164	159	142	165	(NA)	4.26	6.41	6.89	7.33	7.64
Paper and allied products	543	480	523	518	494	495	3.44	5.01	7.84	8.60	9.32	9.94
Furniture and fixtures	362	337	376	374	341	355	2.77	3.78	5.49	5.91	6.31	6.62

NA Not available. [1] Excludes furniture.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1202. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1960 to 1982

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Industrial roundwood:										
Domestic production [1]	8,920	10,555	11,105	10,575	11,960	12,240	12,510	11,645	10,710	9,960
Softwoods	6,930	8,130	8,635	8,380	9,430	9,515	9,695	8,830	8,080	7,635
Hardwoods	1,995	2,430	2,470	2,195	2,535	2,725	2,815	2,815	2,630	2,325
Imports	1,680	2,105	2,430	2,220	3,310	3,755	3,655	3,250	3,765	3,010
Exports	455	740	1,540	1,685	1,795	1,845	2,135	2,350	2,100	1,995
Consumption [2]	10,145	11,925	11,995	11,105	13,475	14,150	14,030	12,550	11,775	10,975
Softwoods	8,065	9,380	9,425	8,875	10,835	11,325	11,160	9,880	9,260	8,765
Hardwoods	2,080	2,545	2,565	2,230	2,640	2,830	2,865	2,665	2,515	2,210
Lumber:										
Domestic production	[3] 5,080	5,665	5,215	4,890	5,730	5,825	5,680	4,860	4,395	3,890
Imports	610	815	955	930	1,675	1,910	1,800	1,540	1,490	1,460
Exports	135	145	195	255	260	275	335	395	380	320
Consumption	5,560	6,335	5,970	5,565	7,140	7,460	7,145	6,010	5,505	5,030
Plywood and veneer:										
Domestic production	705	1,030	1,020	1,165	1,425	1,460	1,370	1,175	1,180	1,070
Imports	60	100	170	170	210	230	195	120	145	115
Exports	(z)	5	15	70	35	45	45	45	70	50
Consumption	765	1,125	1,170	1,265	1,600	1,645	1,520	1,245	1,250	1,130
Pulp products:										
Domestic production	*2,575*	*3,095*	*3,835*	*3,485*	*3,645*	*3,745*	*4,110*	*4,390*	*4,125*	*3,955*
Imports	985	1,175	1,280	1,105	1,395	1,595	1,630	1,565	1,515	1,415
Exports	275	380	720	715	725	720	805	1,070	995	900
Consumption	3,290	3,890	4,400	3,875	4,320	4,625	4,935	4,885	4,645	4,470
Logs: Imports	20	15	25	15	30	20	25	25	20	20
Exports	45	205	465	455	525	585	665	560	435	550
Pulpwood chips, exports	-	5	145	195	250	225	280	275	220	175
Other industrial prod.[4] consumption	510	560	425	385	385	400	405	385	355	325
Fuelwood consumption	**1,300**	**915**	**540**	**570**	**1,030**	**1,570**	**2,270**	**3,115**	**3,650**	**3,685**

- Represents zero. Z Less than 500,000 cubic feet. [1] Includes log exports. [2] Includes log imports. [3] Excludes Alaska and Hawaii. [4] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

No. 1203. Timber Products—Per Capita Consumption: 1960 to 1982

[Based on total population estimated as of **July 1.** See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
All products	**Cu. ft**	**63.3**	**66.1**	**61.1**	**54.1**	**65.9**	**70.6**	**72.4**	**68.6**	**67.1**	**63.2**
Industrial roundwood	Cu. ft	56.1	61.4	58.5	51.4	61.2	63.5	62.3	55.1	51.1	47.3
Lumber	*Cu. ft*	*30.8*	*32.6*	*29.1*	*25.8*	32.4	33.5	31.7	26.4	23.9	21.7
Plywood and veneer	Cu. ft	4.2	5.8	5.7	5.9	7.3	7.4	6.8	5.5	5.4	4.9
Pulp products	Cu. ft	18.2	20.0	21.4	17.9	19.6	20.8	21.9	21.4	20.2	19.3
Other products	Cu. ft	2.8	2.9	2.1	1.8	1.7	1.8	1.8	1.7	1.5	1.4
Fuelwood	Cu. ft	7.2	4.7	2.6	2.6	4.7	7.1	10.1	13.7	15.9	15.9
Lumber	Bd. ft	199	212	193	171	213	219	209	174	158	143
Plywood and veneer	Bd. ft	25	35	34	32	39	40	37	30	29	26
Pulp products	Cords (128 cu. ft.)	.2	.3	.3	.2	.2	.3	.3	.3	.3	.2

Source of tables 1202 and 1203: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-83*, annual.

No. 1204. Selected Timber Products—Producer Price Indexes: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

INDEX AND PRODUCT	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
1967=100												
Softwood lumber [1]	113	214	211	201	248	297	346	380	345	343	322	370
Douglas fir	109	210	214	212	251	291	340	384	353	312	266	362
Southern pine	115	188	185	175	217	263	305	324	297	292	286	320
Hardwood lumber [1]	115	169	190	160	176	200	236	260	252	255	262	284
Plywood [2]	108	155	161	161	187	212	236	251	247	246	232	244
Softwood	114	194	187	201	248	296	326	323	309	307	282	310
Hardwood	103	113	130	120	123	128	140	169	177	180	181	180
Insulation board	111	122	134	144	161	178	203	199	208	242	251	263
Woodpulp	110	128	218	283	266	281	267	315	360	397	379	347
Paper	111	121	149	173	182	194	206	230	257	280	286	282
Paperboard	101	115	152	170	176	176	180	202	235	258	255	251
Containerboard	99	113	146	172	176	172	173	198	231	253	246	(NA)
Hardboard and particleboard	93	106	115	114	124	141	170	166	191	213	220	229
Dec. 1980=100												
Hardwood lumber:												
Oak, red, #1, common	43	70	80	60	73	91	113	120	103	(NA)	115	143
Gum #2, common	50	78	86	63	69	84	111	117	108	(NA)	(NA)	105
Poplar #1, common	62	89	102	71	77	81	97	102	99	104	(NA)	(NA)
Softwood, ponderosa pine, #3 boards	23	53	49	42	54	68	77	93	84	88	73	75

NA Not available. [1] Includes lumber listed below and other softwoods or hardwood. [2] Includes softwood plywood veneer.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, annual.

No. 1205. Selected Species—Stumpage and Log Prices In Current and Constant (1967) Dollars: 1960 to 1983

[**In dollars per 1,000 board feet.** Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

SPECIES	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
CURRENT DOLLARS											
Softwoods:											
Douglas-fir [1]	32.00	42.60	41.90	169.50	225.90	250.30	394.40	432.20	350.20	118.20	161.60
Southern pine [2]	34.50	31.70	44.10	57.00	100.30	134.50	155.20	155.40	172.00	127.20	140.60
Sugar pine [3]	29.00	23.30	38.50	99.20	169.60	159.60	365.00	666.60	225.20	71.90	137.70
Ponderosa pine [4]	19.10	19.80	32.10	71.20	131.40	164.70	239.00	206.10	195.20	66.90	104.00
Western hemlock [5]	10.50	19.10	20.50	68.80	89.30	113.60	200.80	212.70	163.40	44.50	62.20
Hardwoods: [6]											
All eastern hardwoods	22.80	25.00	26.90	33.90	37.90	41.10	46.80	52.40	50.90	56.40	60.10
Oak, white, red, and black	23.40	21.30	26.60	29.70	60.00	59.20	68.80	65.60	63.20	70.80	87.90
Maple	35.00	31.90	34.40	39.60	42.10	57.40	33.90	37.40	41.50	34.30	25.00
Douglas-fir log prices: [7]											
Saw logs [8]	58.40	63.00	89.30	168.70	242.80	284.60	382.20	379.80	331.40	308.80	277.30
Peeler logs [9]	100.10	93.90	136.60	274.40	322.20	446.40	571.30	584.40	563.90	460.90	426.50
CONSTANT (1967) DOLLARS [10]											
Softwoods:											
Douglas-fir [1]	33.70	44.10	38.00	96.90	116.30	119.60	167.40	160.80	119.40	39.50	53.30
Southern pine [2]	36.40	32.80	39.90	32.60	51.60	64.30	65.90	57.80	58.60	42.50	46.40
Sugar pine [3]	30.60	24.10	34.90	56.70	87.30	76.30	154.90	248.00	76.80	24.00	45.40
Ponderosa pine [4]	20.10	20.50	29.10	40.70	67.70	78.70	101.40	76.70	66.50	22.40	34.30
Western hemlock [5]	11.10	19.80	18.60	39.30	46.00	54.30	85.20	79.10	55.70	14.90	20.50
Hardwoods: [6]											
All eastern hardwoods	24.00	25.90	24.40	19.40	19.50	19.60	19.90	19.50	17.30	18.80	19.80
Oak, white, red, and black	24.70	22.00	24.10	17.00	30.90	28.30	29.20	24.40	21.50	23.70	29.00
Maple	36.90	33.00	31.20	22.60	21.70	27.40	14.40	13.90	14.10	11.50	8.20
Douglas-fir log prices: [7]											
Saw logs [8]	61.50	65.20	80.90	96.50	125.00	136.00	162.20	141.30	113.00	103.20	91.50
Peeler logs [9]	105.50	97.20	123.70	156.90	165.90	213.30	242.50	217.40	192.20	154.00	140.70

[1] Western Washington and western Oregon. [2] Southern region. [3] Pacific Southwest region (formerly California region). [4] Pacific Southwest region (formerly California region). Includes Jeffrey pine. [5] Pacific Northwest region. [6] Eastern and Southern regions. [7] (Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average transactions which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling station, or on delivery to a mill. [8] Includes mixed grades, ungraded, and, beginning 1974 grade 4 logs. [9] Includes special fir peeler or special mill grade. [10] Deflated by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-83*, annual.

No. 1206. Lumber Production and Consumption, by Kind of Wood: 1960 to 1982

[In millions of board feet, except as indicated. 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Total production	**32,926**	**36,762**	**34,668**	**32,619**	**36,295**	**37,882**	**38,270**	**37,678**	**32,322**	**28,379**	**25,589**
Softwoods [1]	26,672	29,295	27,530	26,747	29,878	31,202	31,273	30,411	25,264	22,187	20,585
Cedar	(s)	633	683	821	934	967	929	837	722	757	620
Douglas fir	8,832	8,783	7,727	7,329	8,207	8,543	8,601	8,425	6,853	5,868	5,524
Hemlock	2,032	2,576	1,980	2,020	2,454	2,439	2,728	2,505	1,855	1,501	1,341
Ponderosa pine	3,169	3,776	3,429	3,544	4,032	4,167	4,175	3,966	3,269	2,894	2,932
Redwood	1,000	1,087	1,078	1,054	1,128	1,148	917	896	770	730	722
Southern yellow pine	5,660	6,628	7,063	6,967	7,598	8,239	8,267	8,034	6,880	6,824	6,186
White fir	2,224	2,422	2,063	2,012	2,104	2,184	2,099	2,140	1,643	1,253	1,177
White pine	675	693	898	947	1,060	1,080	1,154	(s)	(s)	502	437
Hardwoods [1]	6,254	7,467	7,138	5,872	6,417	6,680	6,997	7,267	7,058	(s)	(s)
Ash	125	141	159	124	137	144	160	(s)	(s)	130	124
Beech	195	182	188	136	140	137	146	193	183	95	88
Cottonwood	206	198	229	253	309	355	372	374	303	155	126
Elm	195	206	155	117	131	149	151	151	149	77	64
Maple	602	786	742	531	569	563	561	[3] 217	[2] 225	426	376
Oak	2,789	3,356	3,250	2,724	2,996	3,103	3,220	3,461	3,356	1,922	1,851
Sweet gum [3]	331	387	376	245	286	377	412	401	371	231	204
Tupelo and black gum	292	385	335	251	277	252	267	(s)	(s)	79	83
Yellow poplar	592	661	606	555	596	605	645	673	661	409	399
Domestic consumption [4]	**35,225**	**40,782**	**38,073**	**36,099**	**42,194**	**46,969**	**48,432**	**46,292**	**38,771**	**35,933**	**33,307**
Percent net imports [5]	8.7	10.6	12.7	12.0	15.2	19.3	21.8	20.3	19.1	20.1	22.0
Softwoods	28,974	32,701	31,585	30,308	35,753	40,079	41,435	39,353	32,499	30,078	28,286
Per capita (bd. ft.)	164	172	155	142	164	182	186	175	143	131	122
Mill stocks, yearend	5,285	4,145	4,340	4,063	4,199	4,077	3,999	4,172	4,061	3,987	3,982
Exports	688	777	1,152	1,373	1,583	1,413	1,369	1,745	1,956	1,878	1,630
Imports	*3,631*	*4,895*	*5,769*	*5,711*	*7,950*	*10,380*	*11,825*	*11,118*	*9,540*	*9,205*	*9,119*
Hardwoods	6,252	8,081	6,488	5,791	6,441	6,890	6,997	6,939	6,272	5,855	5,022
Per capita (bd. ft.)	35	39	32	27	30	32	31	31	28	26	22
Mill stocks, yearend	2,067	1,085	1,144	875	877	773	800	1,163	1,765	1,926	1,754
Exports	173	145	138	245	262	251	320	307	379	406	356
Imports	291	338	347	237	288	341	361	376	293	291	211

S Figure does not meet publication standards. [1] Includes types not shown separately. [2] Excludes hard maple. [3] Red and sap. [4] Source: Copeland Economics Group, Inc., Stamford, CT. [5] Imports minus exports.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1207. Lumber Production, by Geographic Division: 1970 to 1982

[Data based in part on a sample of sawmills and are subject to sampling variability, see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

REGION AND DIVISION	PRODUCTION (bil. bd. ft.)												
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
United States	**34.7**	**37.0**	**37.7**	**38.6**	**34.6**	**32.6**	**36.3**	**37.9**	**38.3**	**37.7**	**32.3**	[1]**28.4**	[1]**25.6**
North [2]	4.4	4.4	4.4	4.6	4.4	4.1	4.5	4.7	4.9	5.0	4.9	(NA)	(NA)
Hardwood	3.4	3.3	3.3	3.5	3.3	3.0	3.3	3.4	3.4	3.6	3.4	(NA)	(NA)
Softwood	1.0	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.5	1.4	1.5	(NA)	(NA)
South [2]	10.8	11.3	11.3	11.4	10.4	9.7	10.6	11.4	11.7	11.6	10.2	(NA)	(NA)
Hardwood	3.6	3.5	3.3	3.4	3.4	2.7	3.0	3.1	3.3	3.5	3.3	(NA)	(NA)
Softwood	7.2	7.8	8.0	8.0	7.0	7.0	7.7	8.3	8.4	8.1	6.9	(NA)	(NA)
West [2] [3]	19.4	21.3	22.0	22.6	19.7	18.8	21.1	21.8	21.7	21.1	17.2	(NA)	(NA)
New England	.7	.7	.8	.8	.8	.8	.9	.9	1.0	1.0	1.1	.7	.6
Middle Atlantic	.8	.8	.8	.8	.9	.7	.8	.9	.9	.9	.9	.5	.5
East North Central	1.2	1.2	1.2	1.3	1.2	1.1	1.2	1.3	1.4	1.4	1.3	1.0	.9
West North Central	.6	.6	.5	.6	.6	.5	.6	.6	.7	.6	.6	.2	.2
South Atlantic	5.2	5.4	5.4	5.5	5.1	4.7	5.2	5.3	5.4	5.8	5.2	4.4	3.9
East South Central	3.4	3.6	3.6	3.6	3.4	3.0	3.3	3.6	3.7	3.6	3.2	2.8	2.5
West South Central	3.2	3.5	3.4	3.3	2.9	3.0	3.1	3.5	3.6	3.2	2.9	2.3	2.3
Mountain	4.2	4.5	4.5	4.6	3.9	3.9	4.6	4.7	4.7	4.5	3.8	3.3	3.0
Pacific	15.3	16.7	17.6	18.0	15.8	14.8	16.6	17.1	17.0	16.6	13.4	11.2	10.6

NA Not available. [1] Includes amounts not specified by division. [2] Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-83*, annual. Regions are as defined by the Forest Service, see table 1198. [3] Includes small volumes of western hardwoods—about .2 billion board feet in recent years.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1208. Wood Products—Production: 1960 to 1983

ITEM	Unit	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983, prel.
Hardwood flooring	Mil. bd. ft.	915	808	333	155	385	360	292	315	275	315
Softwood plywood	Bil. sq. ft., ⅜" basis	7.8	12.4	14.1	15.7	19.5	18.2	15.5	15.6	14.1	21.0
Insulation boards	1,000 short tons	1,098	1,258	1,219	1,249	1,425	1,351	1,051	845	729	800
Hardboard	1,000 short tons	686	1,093	1,463	1,784	2,416	2,291	1,970	1,858	1,465	1,600
Particleboard	Mil. sq. ft. ¾" basis	268	780	1,764	2,503	3,866	3,536	3,029	2,930	2,470	3,065

Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

No. 1209. Pulpwood—Production, Consumption, and Prices: 1960 to 1982

[**In millions of standard cords of 128 cubic feet, except as indicated.** Excludes Hawaii in 1960. See *Historical Statistics, Colonial Times to 1970*, series L 166 and L 168, for similar data]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Production, total	40.0	52.3	70.5	77.2	81.9	69.0	77.4	79.8	80.1	86.2	88.6	85.3	79.7
Softwood	31.5	39.8	53.4	56.7	59.6	52.4	58.1	60.2	58.9	63.3	65.2	62.1	57.8
Hardwood	8.5	12.5	17.1	20.4	22.2	16.6	19.3	19.6	21.2	22.9	23.4	23.2	21.9
Consumption, total [1]	40.5	52.0	67.6	73.6	74.3	65.4	73.2	73.9	74.2	77.6	79.7	79.4	73.6
Softwood	32.1	39.7	51.3	54.8	54.6	48.9	54.8	55.7	54.9	57.9	58.8	58.5	53.7
Hardwood	8.4	12.3	16.3	18.8	19.8	16.5	18.4	18.3	19.2	19.7	20.9	20.9	19.9
Prices: (dol. per standard cord):													
Southern pine: Midsouth	16.05	16.30	18.80	23.85	28.25	28.70	29.75	31.40	33.15	40.10	43.30	50.45	52.90
Southeast	16.45	17.65	21.10	28.20	32.80	33.20	33.60	34.65	36.25	40.65	43.90	47.15	48.25
Hardwood: Midsouth	13.10	13.80	16.95	21.30	25.30	25.70	26.50	28.10	30.35	33.90	36.70	39.50	39.80
Southeast	13.60	14.35	17.15	21.15	24.10	24.55	24.55	26.55	28.15	30.40	32.90	35.10	35.20
New Hampshire	18.50	16.50	20.00	23.50	26.50	28.50	31.65	33.00	35.00	37.00	41.50	44.00	44.00

[1] Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-26A, monthly and annual.

Source: Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–82*, annual.

No. 1210. Newsprint—Production, Stocks, Consumption, Imports, and Price: 1960 to 1983

[**In thousands of short tons, except price.** See also *Historical Statistics, Colonial Times to 1970*, series L 192–198]

COUNTRY AND ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Canada:											
Production	6,114	7,003	7,808	6,966	8,154	8,641	8,756	8,625	8,946	8,109	6,486
Shipments from mills	6,125	7,028	7,795	7,010	8,169	8,913	8,780	8,622	8,915	8,054	6,439
Stocks at mills, end of year	127	136	214	66	256	184	162	165	194	256	303
United States:											
Consumption by publishers [1]	6,634	7,696	8,805	8,395	9,279	9,864	10,197	10,089	10,165	10,107	10,579
Production	1,849	2,037	3,142	3,348	3,511	3,418	3,685	4,239	4,753	4,574	4,688
Shipments from mills	1,842	2,039	3,136	3,348	3,507	3,429	3,689	4,234	4,735	4,525	4,675
Stocks, end of year: At mills	22	.17	30	19	31	20	16	21	38	86	99
At and in transit to publishers	570	520	679	666	722	660	628	732	961	854	790
Imports [2]	4,910	5,736	6,019	5,304	5,950	6,789	6,553	6,603	6,329	5,925	6,277
Producer Price Index (1967=100)	96.1	94.6	107.6	184.0	215.4	226.3	249.4	[3] 279.3	[3] 308.1	315.8	302.9

[1] Based on Newspaper Publishers Association sample of publishers. [2] Source: Reports of U.S. Bureau of the Census. Includes Alaska, Hawaii, and Puerto Rico and beginning 1981, Virgin Islands. [3] Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Newspaper Publishers Association, Reston, VA, and American Paper Institute, Inc., New York, NY.

No. 1211. Wastepaper Utilization and Recovery Rates: 1960 to 1983

[**In millions of short tons, except percent.** Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Paper and board, production [1]	33.9	43.5	51.7	51.1	60.2	62.2	64.5	63.7	64.4	61.2	67.0
Wastepaper consumption	[2] 9.0	[2] 10.2	11.8	11.7	14.1	14.8	15.4	14.9	15.0	14.4	15.5
Wastepaper utilization rate (percent)	26.5	23.4	22.8	23.0	23.3	23.7	23.8	23.4	23.3	23.6	23.2
Other wastepaper uses [3]	.20	.20	.42	.54	.87	.50	.51	.47	.49	.49	.49
Wastepaper exports	.15	.29	.41	.86	1.51	1.60	2.23	2.66	2.21	2.13	2.57
Total wastepaper recovered	9.3	10.6	12.6	13.1	16.3	16.8	18.0	18.0	17.7	17.0	18.5
Paper and board, new supply [4]	38.5	48.3	56.0	54.3	64.4	68.0	70.0	67.3	68.1	64.9	71.4
Recovery rate (percent)	24.2	21.9	22.4	24.1	25.4	24.7	25.8	26.7	25.9	26.1	25.9

[1] Excludes hard pressed board; includes construction paper and board, and wet machine board. [2] Source: U.S. Bureau of the Census, Report FT 446. [3] Estimated. [4] Excludes production of hard pressed board.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Wood Pulp*, annual, and unpublished data.

No. 1212. Paper and Paperboard—Production and Consumption: 1970 to 1983

[**In millions of short tons.** See also *Historical Statistics, Colonial Times to 1970,* series L 172, L 174, and L 176–191]

ITEM	PRODUCTION						CONSUMPTION [1]					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Total paper and paperboard	51.7	51.1	63.7	64.4	61.2	67.0	56.0	54.3	67.3	68.1	64.9	71.4
Paper	23.4	23.4	30.2	31.0	30.4	32.9	29.8	28.4	37.1	37.5	36.7	40.2
Newsprint	3.5	3.7	4.7	5.2	5.0	5.2	9.8	9.0	11.8	11.9	11.3	11.8
Coated printing, converting	3.3	3.2	4.7	4.9	5.0	5.7	3.2	3.1	4.7	4.9	5.0	5.8
Uncoated free sheet	5.1	5.4	6.0	7.9	7.9	8.8	5.1	5.3	6.1	7.9	8.0	8.9
Other printing, writing, etc	2.6	2.5	2.9	2.9	2.8	2.9	2.7	2.6	3.2	3.2	3.2	3.6
Packaging and industrial converting	5.2	4.7	5.6	5.6	5.3	5.6	5.1	4.4	5.3	5.3	5.1	5.5
Tissue and other machine creped	3.7	4.0	4.4	4.5	4.4	4.8	3.7	3.9	4.3	4.5	4.4	4.8
Paperboard	25.4	24.8	31.0	31.2	29.1	32.2	23.2	22.8	27.2	28.2	26.2	29.0
Unbleached kraft	11.5	11.5	15.3	15.6	14.5	16.1	9.9	10.5	13.0	13.8	12.6	13.9
Bleached kraft	3.3	3.3	3.9	3.9	3.7	3.9	3.2	3.1	3.3	3.4	3.1	3.4
Semichemical	3.5	3.7	4.7	4.7	4.4	4.7	3.4	3.6	4.4	4.6	4.3	4.6
Recycled furnish	7.0	6.2	7.1	7.0	6.5	7.4	7.0	6.2	7.0	7.0	6.5	7.4
Construction paper and board [2]	3.0	3.0	2.6	2.1	1.7	1.9	3.0	3.0	3.0	2.5	2.0	2.3

[1] Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. [2] Source: U.S. Bureau of the Census, *Current Industrial Reports,* through 1980. Includes wet machine board, approximately 100,000–160,000 tons per year; 1982 and 1983 data estimated.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp,* annual.

No. 1213. Woodpulp—New Supply and Consumption: 1960 to 1983

[**In millions of short tons.** 1960 excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970,* series L 169–170]

ITEM	1960	1965	1970	1974	1975	1977	1978	1979	1980	1981	1982	1983
Total new supply [1]	26.6	35.7	44.0	49.7	43.6	50.4	51.4	52.6	53.3	53.8	51.5	55.1
Production, total [2]	25.3	34.0	43.5	48.3	43.1	49.1	50.0	51.2	53.0	53.4	51.2	54.6
Sulphate	14.6	21.5	29.5	33.0	29.2	34.2	35.5	36.3	38.0	38.7	37.9	40.7
Groundwood [3]	3.3	3.6	4.4	4.7	4.4	4.9	4.7	4.6	5.3	5.7	5.1	5.1
Imports	2.4	3.1	3.5	4.1	3.1	3.9	4.0	4.3	4.1	4.1	3.7	4.1
Exports	1.1	1.4	3.1	2.8	2.6	2.6	2.6	2.9	3.8	3.7	3.4	3.6
Consumption in paper and board [2 4]	25.7	34.0	43.2	48.3	42.4	48.5	49.8	51.6	52.4	53.0	49.7	53.1

[1] Production plus imports, less exports. [2] Source: U.S. Bureau of the Census, *Current Industrial Reports,* through 1980. Production includes other, not shown separately. [3] Beginning 1975, includes thermochemical pulp. [4] Includes defibrated and exploded woodpulp, plus screenings (estimated at 2.1 million short tons in 1983).

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp,* annual, and *Monthly Statistical Summaries.*

No. 1214. Logs—Exports and Imports: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970,* series L 138–150]

ITEM	VOLUME (mil. bd. ft., log scale)						VALUE (mil. dol.)					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Exports	2,741	2,667	3,261	2,534	3,208	3,307	356	724	1,581	1,095	1,258	1,167
Softwoods	2,672	2,601	3,109	2,377	3,115	3,196	320	681	1,452	1,003	1,174	1,068
Hardwoods	69	66	152	157	93	112	36	43	129	92	84	98
Imports	144	85	128	101	117	165	13	16	20	20	26	27
Softwoods	107	69	114	88	99	142	9	12	17	17	23	24
Hardwoods	36	17	13	14	18	23	5	3	3	3	3	3

No. 1215. Plywood—Production, Imports, Exports, Consumption, and Value of Shipments: 1970 to 1982

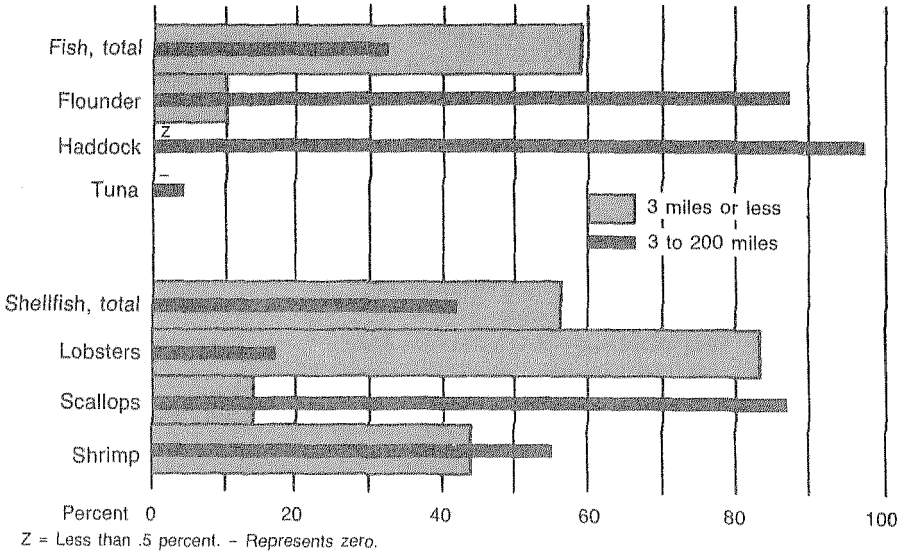
[See also *Historical Statistics, Colonial Times to 1970,* series L 151–165]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982
Total production	Mil. sq. ft.[1]	15,945	16,758	18,989	20,065	20,676	19,354	16,521	16,499	15,021
Softwood	Mil. sq. ft.[1]	14,149	15,706	17,906	18,877	19,492	18,204	15,483	15,524	14,131
Hardwood	Mil. sq. ft.[1]	1,796	1,052	1,083	1,187	1,185	1,150	1,038	976	890
Imports	Mil. sq. ft.[1]	2,049	1,925	2,368	2,273	2,555	2,097	1,235	1,511	1,125
Exports	Mil. sq. ft.[1]	172	859	795	357	328	430	413	733	487
Consumption	Mil. sq. ft.[1]	17,822	17,823	20,561	21,981	22,903	21,021	17,344	17,277	15,659
Total shipments [2]	Mil. dol	1,268	2,073	2,779	3,602	4,078	3,822	3,233	3,105	2,703
Softwood	Mil. dol	959	1,726	2,362	3,125	3,549	3,218	2,670	2,529	2,158
Hardwood	Mil. dol	310	347	417	477	529	604	563	576	545

[1] 3/8" basis. [2] Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA-24F and MA-24H, both annual. Includes interplant transfers.

Source of tables 1214 and 1215: Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–83,* annual.

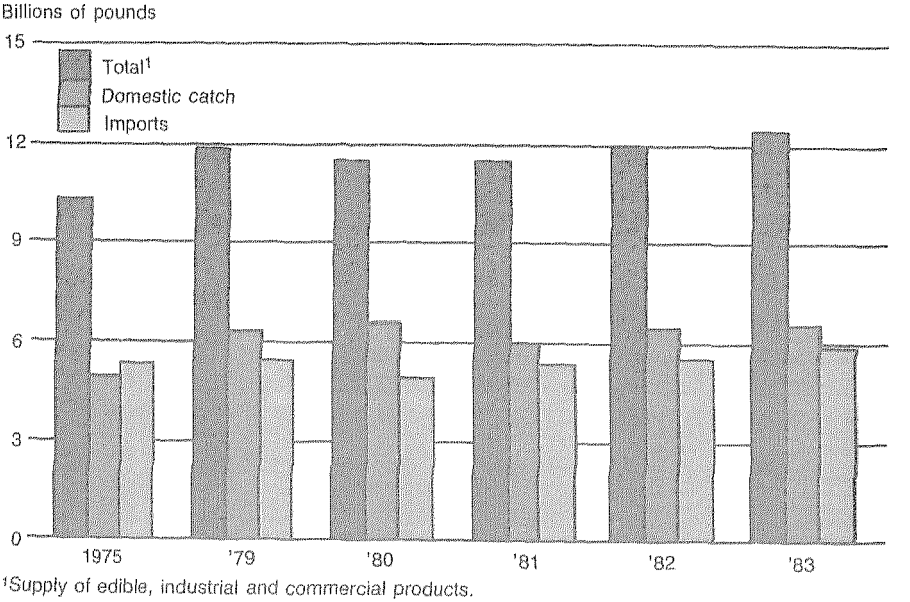
Figure 26.1
U.S. Catch of Fish and Shellfish, by Distance Caught Off U.S. Shores: 1983



Z = Less than .5 percent. – Represents zero.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1226.

Figure 26.2
Fishery Products—Supply: 1975 to 1983



[1]Supply of edible, industrial and commercial products.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1219.

1985

Section 26

Fisheries

This section presents statistics on commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States,* and *Fisheries of the United States,* both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

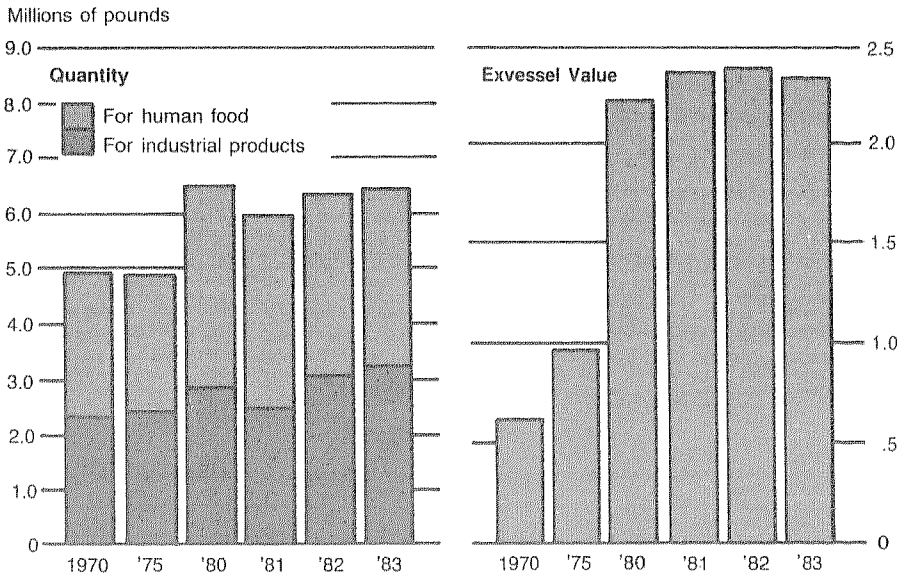
The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

The Magnuson Fishery Conservation and Management Act of 1976 established a Fisheries Conservation Zone (FCZ) which gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the FCZ. Within the FCZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1983.* The NMFS collects and disseminates data on catches by foreign fishing vessels in the FCZ.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

Figure 26.3

Fisheries — Quantity and Value of Domestic Catch: 1970 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1216 and 1219.

No. 1216. Fisheries—Quantity and Value of Domestic Catch: 1940 to 1983

[Prior to 1950, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 224-226, L 229, and L 310]

Year	Quantity (mil. lb.[1]) Total	For human food	For industrial products[2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)	Year	Quantity (mil. lb.[1]) Total	For human food	For industrial products[2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)
1940	4,060	2,675	1,385	99	2.4	1974	4,967	2,496	2,471	932	18.7
1945	4,598	3,167	1,431	270	5.9	1975	4,877	2,465	2,412	977	20.0
1950	4,901	3,307	1,594	347	7.1	1976	5,388	2,775	2,613	1,349	25.0
1955	4,809	2,579	2,230	339	7.1	1977	5,271	2,952	2,319	1,554	29.5
1960	4,942	2,498	2,444	354	7.2	1978, prel	6,028	3,177	2,851	1,854	30.7
1965	4,777	2,587	2,190	446	9.3	1979, prel	6,267	3,318	2,949	2,234	35.6
1970	4,917	2,537	2,380	613	12.5	1980, prel	6,482	3,654	2,828	2,237	34.5
1971	5,018	2,441	2,577	651	13.0	1981, prel	5,977	3,547	2,430	2,388	40.0
1972	4,806	2,435	2,371	748	15.6	1982, prel	6,367	3,285	3,082	2,390	37.5
1973	4,858	2,398	2,460	937	19.3	1983, prel	6,439	3,238	3,201	2,355	36.6

[1] Live weight. [2] Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1217. Fisheries—Employment, Fishing Craft, and Establishments: 1965 to 1982

[**In thousands.** As of **Dec. 31.** Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]

Item	1965	1970	1973	1974	1975	1976	1977	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.
Persons employed in U.S	215	227	243	253	260	267	280	257	267	296	303	314
Fishermen	129	140	149	161	168	174	182	172	184	193	198	216
Shore workers[1]	87	87	94	92	92	93	98	85	83	103	105	98
Craft used	80	88	90	101	103	103	107	104	103	113	115	123
Vessels, 5 net tons and over	12	14	15	16	16	17	17	18	18	19	20	20
Motorboats	64	72	72	83	85	84	88	84	84	93	93	102
Other boats	3	2	2	2	2	2	2	2	1	1	2	1
Fishery shore establishments	4.2	3.7	3.6	3.5	3.6	3.6	3.6	3.3	3.4	3.6	3.6	3.6

[1] Seasonal average.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1218. Fisheries—Catch and Ex-Vessel Value, 1980 to 1983, by Area

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

Area	1980[1] Total catch (mil. lb.)	1980[1] Value (mil. dol.)	1981[1] Total catch (mil. lb.)	1981[1] Value (mil. dol.)	1982[1] Total catch (mil. lb.)	1982[1] Value (mil. dol.)	1983[1] Total catch (mil. lb.)	1983[1] Value (mil. dol.)
United States	6,482	2,237	5,977	2,388	6,367	2,390	6,439	2,355
New England States	788	327	697	356	687	374	711	435
Middle Atlantic States	244	97	228	95	129	93	128	94
Chesapeake Bay States	717	130	603	126	791	120	841	130
South Atlantic States	473	148	543	138	427	164	397	173
Gulf States	1,979	463	1,700	554	2,300	614	2,443	615
Pacific Coast States	2,140	1,025	2,070	1,064	1,872	964	1,739	846
Great Lakes States	44	14	39	12	36	13	47	14
Hawaii	11	12	13	18	14	14	29	18
Other[2]	85	21	85	25	109	34	103	30

[1] Preliminary. [2] Mississippi River and other areas.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1219. Fishery Products—Supply: 1965 to 1983

[**Live weight, in millions of pounds, except percent.** 1978-1983 preliminary. See *Historical Statistics, Colonial Times to 1970,* series L 224-226, for domestic catch]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	**10,535**	**11,474**	**9,875**	**10,164**	**11,593**	**10,652**	**11,509**	**11,831**	**11,357**	**11,353**	**12,011**	**12,352**
For human food	5,163	6,213	6,636	6,394	7,404	7,466	8,135	8,251	8,006	8,267	7,968	8,413
Finfish	(NA)	(NA)	4,971	4,848	5,657	5,641	6,263	6,324	6,139	6,316	6,090	6,358
Shellfish [1]	(NA)	(NA)	1,667	1,546	1,747	1,825	1,872	1,927	1,867	1,951	1,878	2,055
For industrial use	5,372	5,261	3,237	3,770	4,189	3,186	3,374	3,580	3,351	3,086	4,043	3,939
Domestic catch	**4,777**	**4,917**	**4,967**	**4,877**	**5,388**	**5,271**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**
Percent of total	45.3	42.8	50.2	47.9	46.5	49.5	52.4	53.0	57.1	52.7	53.0	52.1
For human food	2,587	2,537	2,496	2,465	2,775	2,952	3,177	3,318	3,654	3,547	3,285	3,238
Finfish	(NA)	(NA)	1,522	1,548	1,776	1,833	2,018	2,204	2,516	2,414	2,324	2,351
Shellfish [1]	(NA)	(NA)	974	917	999	1,119	1,159	1,114	1,138	1,133	961	887
For industrial use	2,190	2,380	2,471	2,412	2,613	2,319	2,851	2,949	2,828	2,430	3,082	3,201
Imports [2]	**5,758**	**6,557**	**4,908**	**5,287**	**6,205**	**5,381**	**5,481**	**5,564**	**4,875**	**5,376**	**5,644**	**5,913**
Percent of total	54.7	57.2	49.8	52.1	53.5	50.5	47.6	47.0	42.9	47.3	47.0	47.9
For human food	2,576	3,676	4,142	3,929	4,629	4,514	4,958	4,933	4,352	4,720	4,683	5,175
Finfish	(NA)	(NA)	3,449	3,300	3,881	3,808	4,245	4,120	3,623	3,902	3,766	4,007
Shellfish [1]	(NA)	(NA)	693	629	748	706	713	813	729	818	917	1,168
For industrial use [3]	3,182	2,881	766	1,358	1,576	867	523	631	523	656	961	738

NA Not available. [1] For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. [2] Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [3] Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1220. Fisheries—Disposition of Domestic Catch: 1965 to 1983

[**Live weight catch in millions of pounds.** 1977-1983 preliminary. In addition to whole fish, a large portion of waste (400-500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970,* series L 305-310, for similar but not entirely comparable data]

DISPOSITION	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	**4,777**	**4,917**	**4,967**	**4,877**	**5,388**	**5,198**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**
Fresh and frozen	1,751	1,595	1,660	1,744	1,921	2,025	2,237	2,394	2,621	2,547	2,550	2,304
Canned	1,042	1,150	1,005	907	1,051	1,078	1,099	1,046	1,161	1,118	891	1,087
Cured	76	71	69	55	55	55	52	94	96	90	85	80
Reduced to meal, oil, etc	1,908	2,101	2,233	2,171	2,361	2,040	2,640	2,733	2,604	2,222	2,841	2,968

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1221. Fisheries, Selected Countries—Commercial Catch, 1975 to 1982, and Catch Per Capita, 1975

[**In billions of pounds, live weight, except per capita.** Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. World total includes countries not shown separately]

COUNTRY	1975		1980	1981	1982	COUNTRY	1975		1980	1981	1982
	Total	Per capita [1] (lb.)					Total	Per capita [1] (lb.)			
World total	**145.5**	**27.1**	**159.5**	**165.5**	**169.3**	Iceland	2.2	147.3	3.3	3.2	1.7
United States	6.3	35.1	8.0	8.3	8.8	Philippines	3.2	73.0	3.4	3.7	3.9
Japan	21.8	148.6	23.0	23.5	23.8	Canada	2.2	40.1	2.9	3.1	3.1
Soviet Union	22.0	63.3	20.9	21.0	22.0	Korea, D.P.R. (est.)	2.3	78.5	3.1	3.3	3.4
Peru	7.6	37.9	6.0	6.0	7.6	Spain	3.3	77.8	2.8	2.8	3.0
Chile	2.0	34.8	6.2	7.5	8.1	Vietnam (est.)	1.9	48.1	2.1	2.1	2.2
Norway	5.5	103.6	5.3	5.6	5.5	Brazil	1.7	15.2	1.8	1.8	1.9
India	5.0	7.0	5.4	5.4	5.1	Mexico	1.0	10.8	2.7	3.5	3.3
Korea, Rep. of	4.2	104.3	4.6	5.2	5.0	France	1.7	48.9	1.7	1.7	1.7
Denmark	3.9	77.4	4.5	4.1	4.2	South Africa, Rep. of	1.3	15.4	1.4	1.3	1.4
Indonesia	3.0	23.6	4.1	4.2	4.5	Poland	1.8	45.2	1.4	1.4	1.3
Thailand	3.4	50.5	4.0	4.4	4.2	United Kingdom	1.1	38.1	.9	.8	.7

[1] 1975-1977 average.

Source: Food and Agricultural Organization of the United Nations, Rome, Italy, *Yearbook of Fishery Statistics, 1982,* vol. 54.

No. 1222. Fisheries—Catch and Value of Principal Species: 1970 to 1983

[**Catch in millions of pounds live weight, value in millions of dollars.** Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish. 1980–1983 preliminary]

Species	Catch						Value					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Fish:												
Cod, Atlantic	53	56	118	100	104	112	6	13	32	33	37	38
Flounder	169	162	217	201	228	254	23	44	82	86	102	116
Haddock	27	16	55	55	45	33	6	5	21	22	22	19
Halibut	35	21	19	27	33	45	9	16	17	21	29	41
Herring, sea	79	131	291	247	202	180	2	6	45	31	35	44
Jack mackerel	47	37	44	31	58	40	2	2	4	3	5	3
Menhaden	1,837	1,803	2,497	2,105	2,766	2,963	34	49	112	81	108	119
Ocean perch, Atlantic	55	32	24	19	19	13	3	3	6	5	5	3
Pollock	9	21	43	41	35	34	1	2	7	9	7	6
Salmon, Pacific	410	202	614	648	607	639	99	107	357	438	392	351
Tuna	393	393	399	341	261	279	75	107	233	206	146	143
Whiting	45	42	36	37	36	37	4	4	6	7	8	7
Shellfish:												
Clams (meats)	99	113	95	121	108	115	29	43	90	107	97	96
Crabs	277	306	523	446	350	317	39	81	291	297	282	223
Lobsters, American	34	30	37	37	39	44	33	51	75	87	91	107
Oysters (meats)	54	53	49	50	54	50	29	45	70	69	76	67
Scallops (meats)	11	14	30	46	34	32	12	23	114	128	96	136
Shrimp	367	347	340	355	284	250	130	226	403	463	509	504

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1223. Prices Received by Fishermen and Vessel Owners: 1970 to 1983

[**Cents per pound. Live weight.** 1978–1983 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970,* series L 321–337]

Species	Point of pricing	1970	1975	1977	1978	1979	1980	1981	1982	1983
Fish:										
Cod	Massachusetts	13.1	24.2	22.6	25.4	29.3	27.3	33.0	36.2	33.9
Flounder	Massachusetts	15.3	34.9	41.7	50.5	47.2	42.4	57.9	56.7	54.0
Haddock	Massachusetts	25.8	32.8	31.9	31.9	42.6	38.7	39.4	49.5	58.6
Menhaden	(No specific point)	1.8	2.7	3.8	3.8	4.2	4.5	3.8	3.8	4.0
Ocean perch	Maine, Massachusetts	4.9	10.3	15.3	17.1	21.0	23.0	28.3	27.4	26.6
Salmon, chinook	(No specific point)	55.4	85.9	153.0	133.8	173.5	166.3	182.5	182.3	127.3
Salmon, coho	(No specific point)	39.3	77.6	103.3	118.6	142.5	109.7	94.5	99.4	66.5
Tuna, albacore	(No specific point)	26.7	33.3	54.3	60.6	64.7	80.1	91.0	69.1	61.6
Shellfish:										
Clams, soft	Maine	47.5	86.9	118.3	124.3	144.6	150.7	156.7	152.3	174.8
Crabs, blue, hard	Maryland, Virginia	6.6	15.7	20.3	20.5	19.1	20.3	23.4	32.2	29.1
Lobsters, American	Maine	94.7	161.5	173.6	177.1	180.3	189.7	206.6	221.8	233.1
Oysters, eastern	Maryland, Virginia	61.1	80.1	110.7	110.7	125.9	131.3	128.2	129.5	144.3
Sea scallops	New Bedford, MA	135.6	188.8	165.8	253.5	340.3	404.2	406.8	384.2	570.0
Shrimp	So. Atlantic, Gulf	47.6	107.0	113.3	130.6	185.4	149.0	173.1	218.6	350.5

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen,* H.S. No. 12 (C.F.S. No. 4657 Revised), *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1224. Commercial Fishery Products—Per Capita Consumption: 1960 to 1983

[**Pounds of edible meat.** 1978–1983 preliminary. Based on U.S. Bureau of the Census estimates of the civilian resident population as of July 1. See also *Historical Statistics, Colonial Times to 1970,* series L 294–304]

Product	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	10.3	10.8	11.8	12.5	12.8	12.1	12.2	12.9	12.7	13.4	13.0	12.8	12.9	12.3	12.9
Fresh and frozen	5.7	6.0	6.9	7.1	7.4	6.9	7.5	8.2	7.7	8.1	7.8	8.0	7.8	7.7	8.0
Fish [1]	3.8	3.8	4.5	4.7	5.2	4.4	4.9	5.6	5.1	5.5	5.4	5.5	5.0	5.1	5.2
Shellfish	1.9	2.2	2.4	2.4	2.2	2.5	2.6	2.6	2.6	2.6	2.4	2.5	2.8	2.6	2.8
Canned	4.0	4.3	4.5	4.9	5.0	4.7	4.3	4.2	4.6	5.0	4.8	4.5	4.8	4.3	4.6
Tuna	2.0	2.3	2.5	2.9	3.1	3.1	2.9	2.8	2.8	3.3	3.3	2.9	3.1	2.7	3.0
Salmon	.7	.9	.7	.7	.4	.3	.4	.4	.5	.6	.6	.5	.5	.5	.5
Shellfish	.4	.5	.5	.5	.5	.5	.4	.4	.6	.5	.5	.5	.5	.4	.5
Sardines	.4	.3	.4	.4	.5	.4	.2	.3	.3	.3	.3	.3	.4	.3	.2
Other	.5	.3	.4	.4	.5	.4	.4	.3	.4	.4	.3	.3	.3	.4	.4
Cured	.6	.5	.4	.5	.4	.5	.4	.5	.4	.3	.4	.3	.3	.3	.3

[1] Beginning 1973, includes consumption of artificially cultivated catfish.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1225. Catch, Catch Limits, and Principal Species Caught by Countries in the U.S. Fishery Conservation Zone (FCZ), by Country: 1981 to 1983

[**In millions of pounds live weight.** Data are preliminary. Excludes tuna. (In 1981, U.S. domestic catch of tuna in FCZ was 35 mil. lb., and in 1982 and 1983, 23 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, p. 683, and source]

Country	Actual catch			Allocation			Principal species caught
	1981	1982	1983	1981	1982	1983	
Total catch in FCZ	**5,968**	**5,451**	**5,442**	(x)	(x)	(x)	**Pollock, menhaden, whiting.**
U.S.	2,320	2,331	2,548	(x)	(x)	(x)	Pollock, menhaden, flounder.
Foreign	3,648	3,120	2,894	[1] 4,638	[1] 4,270	[1] 4,265	(x)
Japan	2,558	2,384	2,140	3,140	3,039	2,585	Pollock, flounder, Pacific cod.
U.S.S.R.	(x)	(x)	(x)	(x)	(x)	(x)	Whiting, Alaska pollock, flounder.
Korea, Rep. of	536	536	617	592	677	716	Pollock, Pacific cod, flounder.
Poland	362	(x)	(x)	508	(x)	(x)	Herring, whiting, squid.
Canada	66	66	51	(x)	(x)	(x)	Scallops, Atlantic cod, haddock.
Spain	43	34	10	62	36	30	Squid, whiting, butterfish.
Italy	26	32	20	50	45	32	Squid, butterfish, hake.
Germany, Fed. Rep. of	26	36	53	53	49	64	Alaska pollock, Pacific cod, Atka mackerel.
Portugal	(x)	(z)	(x)	24	24	5	Squid.
Bulgaria	16	16	(x)	50	40	1	Whiting, jack mackerel, rockfishes.
Faroe Islands	(x)	(z)	(x)	1	1	1	Squid, herring, mackerel.
China (Taiwan)	13	15	(x)	48	47	15	Pollock, Pacific cod, flounder.
Cuba	(x)	(x)	(x)	15	(x)	(x)	Mackerel (Atl.), whiting, herring.
Romania	(x)	(x)	(x)	(x)	(x)	(x)	Mackerel (Atl.), whiting, squid.
German Dem. Rep.	(x)	(x)	3	(x)	12	11	Mackerel (Atl.), herring.

X Not applicable. Z Less than 500,000 pounds. [1] Includes countries not shown separately.

No. 1226. U.S. Catch and Value of Fish and Shellfish, by Distance Caught Off U.S. Shores—Selected Species: 1983

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catches by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint venture)]

Species	Total U.S. catch [1] (mil. lb.)	By distance from U.S. shores: Catch (mil. lb.)			Percent of U.S. catch			Value of U.S. catch [1] (mil. dol.)	Percent of total value, by distance caught off U.S. shores		
		3 miles or less [2]	3 to 200 miles	Over 200 miles	3 miles or less [2]	3 to 200 miles	Over 200 miles		3 miles or less [2]	3 to 200 miles	Over 200 miles
Fish, total [3]	**6,782.1**	**4,019.3**	**2,156.2**	**606.6**	**59.3**	**31.8**	**8.9**	**1,354.0**	**47.8**	**32.3**	**19.9**
Cod, Atlantic	112.5	4.6	107.3	.6	4.1	95.4	.5	37.9	3.7	95.8	.5
Flounder	335.0	33.0	291.9	10.1	9.9	87.1	3.0	121.7	12.4	85.0	2.6
Haddock	32.6	.1	31.5	1.0	.3	96.6	3.1	19.0	.2	96.3	3.5
Halibut	45.2	21.7	23.5	-	48.0	52.0	-	40.7	46.2	53.8	-
Herring, sea	180.5	165.0	15.5	-	91.4	8.6	-	44.0	98.2	1.8	-
Jack mackerel	39.6	3.8	35.8	-	9.6	90.4	-	3.4	8.8	91.2	-
Menhaden	2,962.8	2,747.6	215.2	-	92.7	7.3	-	119.3	93.0	7.0	-
Ocean perch	23.9	.1	17.3	6.5	.4	72.4	27.2	5.4	.5	72.2	27.3
Salmon, Pacific	639.3	624.9	14.3	.1	97.8	2.2	-	350.8	95.8	4.2	-
Tuna	586.0	.3	23.2	562.5	-	4.0	96.0	278.6	.1	8.2	91.7
Shellfish [3]	**937.0**	**527.6**	**391.5**	**17.9**	**56.3**	**41.8**	**1.9**	**1,232.4**	**48.1**	**48.1**	**3.8**
Clams (meats)	115.4	36.6	78.8	-	31.7	68.3	-	96.4	67.8	32.2	-
Crabs	317.0	232.1	84.9	-	73.2	26.8	-	223.4	49.2	50.8	-
Lobsters	49.4	41.2	8.2	-	83.3	16.6	.1	120.5	81.1	18.8	.1
Scallops (meats)	32.4	4.4	28.0	-	13.5	86.5	-	136.3	15.2	84.8	-
Shrimp	249.7	109.6	136.4	3.7	43.9	54.6	1.5	503.4	40.5	59.0	.5

- Represents zero. [1] Includes catch from international waters or off foreign shores. [2] Includes all landings in Great Lakes and other inland waters. [3] Includes other species not shown separately.

No. 1227. Supply of Tuna, Salmon, and Sardines: 1970 to 1983

[**In million of pounds.** 1978-83 preliminary]

Item	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Tuna: Domestic landings, live weight	478	557	570	665	458	566	508	500	490	473	586
Imports, fresh and frozen, live weight	465	839	517	641	670	870	810	770	770	589	534
Canned tuna, total supply	510	714	582	658	583	757	674	666	698	627	683
From domestic landings	204	250	261	287	207	257	218	215	217	197	239
From imported fresh and frozen	234	411	269	312	341	448	402	387	410	343	322
Imported canned	72	53	52	59	35	52	54	64	71	88	122
Canned salmon, for U.S. consumption	168	80	58	108	115	116	98	126	158	79	121
Domestic pack	183	88	78	125	136	149	149	200	221	120	175
Exports	17	8	23	20	21	33	51	74	63	41	54
Canned sardines, total supply	66	94	57	79	74	75	80	71	86	68	48
Maine sardines	19	25	26	25	23	26	30	20	31	18	13
Imports	47	69	31	54	50	49	50	51	55	50	35

Source of tables 1225-1227: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1228. Fisheries—Quantity and Value of Catch, by State, and Catch of Principal Species, by Area: 1965 to 1983

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1978–1983 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 262–293]

Area, state, catch, and value	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
New England:											
Catch	702	531	498	547	586	661	709	788	697	687	711
Value	75	91	154	174	207	256	302	327	356	374	435
Maine:											
Catch	205	159	138	176	182	190	232	245	238	217	203
Value	22	31	48	54	62	69	80	93	104	101	108
New Hampshire:											
Catch	1	1	3	3	4	5	8	19	8	8	10
Value	1	1	1	1	2	2	3	5	4	4	4
Massachusetts:											
Catch	442	287	274	289	321	377	375	438	370	344	377
Value	46	47	83	96	116	152	176	178	197	204	245
Rhode Island:											
Catch	49	79	79	72	73	84	88	81	80	113	114
Value	5	11	19	21	23	29	36	46	49	55	66
Connecticut:											
Catch	5	5	4	5	5	5	6	5	1	6	8
Value	2	2	3	2	4	4	7	5	2	10	12
Catch for certain species:											
Cod	35	53	55	55	76	86	97	118	100	104	112
Flounder	112	104	77	80	89	87	98	118	112	128	154
Haddock	134	27	16	13	29	39	42	55	55	45	33
Herring, sea	75	66	79	110	111	111	143	184	139	73	51
Lobster, American	29	30	29	30	30	34	36	36	36	37	42
Ocean perch, Atlantic	84	55	32	32	35	36	34	24	19	19	13
Pollock	12	9	21	24	29	39	34	40	37	31	31
Whiting	75	40	33	37	33	35	16	18	20	24	26
Middle Atlantic:											
Catch	356	140	188	269	214	201	228	244	228	129	128
Value	25	30	50	69	70	79	92	97	95	93	94
New York:											
Catch	147	32	37	35	33	36	37	39	36	36	38
Value	12	16	28	32	31	34	38	45	45	45	38
New Jersey:											
Catch	160	98	144	227	179	164	189	201	189	90	87
Value	11	13	20	35	38	44	53	50	48	45	54
Delaware:											
Catch	48	10	7	7	2	1	2	4	3	4	4
Value	1	1	2	2	1	1	1	2	2	2	2
Catch for certain species:											
Clams (meats)	52	63	53	43	50	43	46	40	49	54	53
Menhaden	151	31	67	151	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oysters (meats)	1	1	3	4	2	2	3	3	2	2	2
Scup or porgy	17	4	10	9	9	11	8	8	10	7	8
Chesapeake Bay:											
Catch	592	630	509	587	671	599	639	717	603	791	841
Value	40	41	56	74	87	94	122	130	126	120	130
Maryland:											
Catch	87	80	64	58	62	60	66	80	115	100	90
Value	13	19	23	31	31	33	37	45	57	51	45
Virginia:											
Catch	505	551	445	529	609	539	573	637	488	691	751
Value	27	22	33	43	56	61	85	85	69	69	85
Catch for certain species:											
Alewives	38	21	12	4	1	2	2	1	1	1	2
Clams (meats)	11	23	47	24	28	28	30	36	38	31	38
Crabs	86	70	62	47	60	54	66	65	64	100	96
Menhaden	360	450	322	446	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oysters (meats)	21	25	23	21	18	22	20	21	22	18	11
South Atlantic:											
Catch	357	280	333	318	347	399	488	473	543	427	397
Value	27	30	64	74	71	96	145	148	138	164	173
North Carolina:											
Catch	234	173	238	226	251	300	390	356	432	308	288
Value	9	9	20	28	29	41	58	69	58	64	57
South Carolina:											
Catch	27	16	20	21	16	21	21	21	16	20	19
Value	5	4	13	14	10	16	26	20	14	24	25
Georgia:											
Catch	20	14	18	15	13	17	22	19	19	20	19
Value	4	4	12	12	9	14	28	20	13	22	25
Florida (east coast):											
Catch	76	76	57	56	66	61	55	77	76	79	71
Value	8	12	19	20	24	25	33	39	53	54	65
Catch for certain species:											
Crabs	46	43	31	27	31	47	49	55	60	62	58
Menhaden	192	136	167	145	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Shrimp	26	21	25	26	18	20	32	33	17	26	27

See footnotes at end of table.

No. 1228. Fisheries—Quantity and Value of Catch, by State, and Catch of Principal Species, by Area: 1965 to 1983—Continued

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1978–1983 preliminary. See also *Historical Statistics, Colonial Times to 1970,* series L 262–293]

Area, State, Catch, and Value	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Gulf States:											
Catch	1,463	1,698	1,654	1,743	1,482	2,287	2,129	1,979	1,700	2,300	2,443
Value	114	167	271	386	408	473	530	463	554	614	616
Florida (west coast):											
Catch	136	116	116	111	116	110	108	115	139	116	109
Value	27	31	57	69	76	73	91	86	119	114	113
Alabama:											
Catch	18	30	31	32	35	30	31	25	32	25	21
Value	5	10	21	34	37	35	49	25	43	46	43
Mississippi:											
Catch	368	298	306	288	313	374	379	332	260	379	439
Value	9	11	14	21	26	27	32	25	29	38	48
Louisiana:											
Catch	787	1,107	1,115	1,219	910	1,674	1,529	1,412	1,161	1,697	1,784
Value	37	61	86	135	136	190	199	174	190	231	225
Texas:											
Catch	154	147	86	93	109	99	80	94	108	84	90
Value	36	53	93	127	134	148	159	153	173	184	187
Catch for certain species:											
Crabs	38	36	41	39	48	41	42	45	41	41	41
Menhaden	1,023	1,209	1,197	1,238	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mullet	34	27	26	19	22	27	22	31	32	25	22
Oysters (meats)	19	18	19	22	20	18	15	17	17	24	28
Shrimp	195	230	170	210	265	248	207	208	268	210	198
Great Lakes: [1]											
Catch	56	72	62	67	73	68	49	44	39	36	47
Value	6	6	9	11	10	10	11	14	12	13	14
Superior:											
Catch	9	5	5	6	5	5	(NA)	(NA)	(NA)	(NA)	(NA)
Value	1	1	2	2	2	2	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan:											
Catch	27	53	45	48	55	51	(NA)	(NA)	(NA)	(NA)	(NA)
Value	2	4	4	5	5	4	(NA)	(NA)	(NA)	(NA)	(NA)
Huron:											
Catch	5	2	2	2	2	2	(NA)	(NA)	(NA)	(NA)	(NA)
Value	1	(z)	1	1	1	1	(NA)	(NA)	(NA)	(NA)	(NA)
Erie:											
Catch	14	10	8	9	10	10	(NA)	(NA)	(NA)	(NA)	(NA)
Value	1	1	2	3	3	3	(NA)	(NA)	(NA)	(NA)	(NA)
Pacific Coast:											
Catch	1,147	1,480	1,551	1,771	1,809	1,741	1,925	2,140	2,070	1,872	1,739
Value	148	235	352	538	673	821	1,006	1,025	1,063	964	846
Washington:											
Catch	127	134	146	142	164	138	170	156	185	170	150
Value	18	30	61	72	89	97	115	86	96	90	61
Oregon:											
Catch	69	98	86	95	115	135	128	126	135	128	97
Value	9	23	26	40	45	57	65	56	52	57	39
California:											
Catch	458	703	875	917	856	722	728	804	775	695	529
Value	51	86	135	187	189	226	227	323	275	241	202
Alaska:											
Catch	492	545	445	617	675	746	899	1,054	975	879	964
Value	70	96	130	239	349	439	597	560	640	576	544
Catch for certain species:											
Anchovies	6	193	329	264	223	35	117	107	127	103	22
Bonito	6	9	32	9	23	8	5	14	17	5	8
Crabs	161	126	164	222	268	301	326	347	235	143	118
Flounder	46	46	57	62	53	63	68	60	62	73	66
Halibut	40	34	21	18	17	17	21	19	27	33	45
Herring, sea	35	22	57	43	50	43	66	107	106	129	129
Jack mackerel	67	48	37	45	105	68	35	44	31	58	40
Salmon	327	410	202	310	377	404	536	614	648	607	639
Shrimp	20	93	140	168	154	154	96	98	67	45	21
Tuna	296	378	381	474	319	394	349	387	327	248	245
Mississippi River and tributaries:											
Catch	85	75	72	71	74	58	86	85	85	110	102
Value	8	10	15	14	17	13	15	21	25	34	30
Hawaii:											
Catch	20	11	9	15	13	14	14	11	13	14	29
Tuna catch	17	9	7	12	10	11	12	7	8	10	28
Value	4	4	6	9	10	12	11	12	18	14	18

D Withheld to avoid disclosure. NA Not available. Z Less than $500,000. [1] Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1229. Fresh and Frozen Fishery Products—Production and Value: 1970 to 1983

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1970	1975	1980	1981 [1]	1982 [1]	1983 [1]	1970	1975	1980	1981 [1]	1982 [1]	1983 [1]
Fish fillets and steaks [2]	**133.5**	**131.9**	**202.1**	**205.1**	**217.6**	**221.0**	**74.8**	**137.9**	**261.2**	**305.2**	**350.6**	**340.4**
Cod	13.6	15.2	31.3	43.3	41.5	50.8	7.4	14.6	43.2	68.6	60.0	66.8
Flounder	46.7	41.9	48.9	50.8	76.2	78.8	28.7	53.1	87.4	98.0	146.5	133.5
Haddock	8.9	8.2	17.2	17.8	13.5	10.3	6.9	12.3	29.0	32.9	24.7	18.4
Ocean perch, Atlantic	16.0	8.4	7.1	4.9	5.2	4.1	4.9	5.7	9.3	7.0	7.3	5.2
Whiting	.8	.1	.6	.2	.1	.1	.3	.1	.5	.2	.1	.1
Rockfish	11.1	5.5	14.2	16.4	17.8	16.5	3.4	3.2	12.8	16.2	19.2	18.8
Pollock, Atlantic	3.7	5.7	8.5	9.1	9.0	12.2	1.3	3.6	8.5	9.7	10.3	12.8
Other	32.7	46.9	74.3	62.6	54.3	48.2	21.9	45.3	70.5	72.6	82.8	84.8
Frozen fishery products	**388.3**	**299.7**	**228.2**	**220.7**	**243.0**	**186.7**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Preliminary. [2] Fresh and frozen.

No. 1230. Canned Fishery Products—Production and Value: 1970 to 1983

[Data shown are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 338–357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)								VALUE (mil. dol.)							
	1970	1975	1978	1979	1980	1981	1982	1983, prel.	1970	1975	1978	1979	1980	1981	1982	1983, prel.
Total [1]	**1,346**	**1,382**	**1,598**	**1,439**	**1,516**	**1,495**	**1,294**	**1,351**	**742**	**1,067**	**1,884**	**1,743**	**1,928**	**2,013**	**1,499**	**1,535**
Tuna	438	529	705	620	602	627	539	561	381	653	1,273	1,104	1,144	1,180	918	821
Salmon	183	78	149	149	200	221	120	175	139	110	221	258	376	423	199	325
Clam products	65	76	69	73	77	88	99	97	26	42	60	61	66	72	85	81
Jack mackerel [2]	8	10	32	26	38	36	39	46	2	3	10	8	12	12	15	17
Sardines, Maine	19	26	26	30	20	31	18	13	11	25	36	45	32	55	28	22
Shrimp	25	12	17	10	16	12	8	9	37	28	50	54	80	59	45	54
Crabs	5	3	5	5	5	3	2	2	10	10	19	18	19	19	13	11
Squid	9	8	8	4	4	9	8	(NA)	1	2	2	1	1	3	3	(NA)
Oysters	2	2	1	(z)	(z)	(z)	1	1	2	4	1	1	(z)	1	2	2

NA Not available. Z Less than 500,000 pounds or $500,000. [1] Includes other products, not shown separately. [2] Includes a small amount of Pacific mackerel.

No. 1231. Processed Fishery Products, Production and Value—Summary: 1970 to 1983

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362–365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb.[1])						VALUE (mil. dol.)					
	1970	1975	1980	1981	1982	1983, prel.	1970	1975	1980	1981	1982	1983, prel.
Total	(x)	(x)	(x)	(x)	(x)	(x)	**1,727**	**2,651**	**4,942**	**4,888**	**4,509**	(NA)
Packaged fresh and frozen	**1,158**	**1,113**	**1,403**	[2] **1,289**	**1,298**	(NA)	**800**	**1,309**	**2,567**	**2,527**	**2,670**	(NA)
Fish not breaded:												
Fillets and steaks, raw	134	132	203	205	218	221	75	138	262	305	351	340
Dressed	32	55	40	52	78	(NA)	9	43	58	79	106	(NA)
Other [3]	10	26	48	30	44	(NA)	4	22	37	21	31	(NA)
Fish breaded, raw or cooked:												
Sticks	116	91	88	89	91	86	58	62	89	97	106	114
Fillets, portions, and steaks	296	286	326	331	302	(NA)	137	211	368	397	381	(NA)
Shellfish: Not breaded	328	315	497	415	381	(NA)	343	534	1,302	1,172	1,173	(NA)
Breaded, raw and cooked	119	128	113	119	124	(NA)	129	220	321	362	444	(NA)
Specialties, fish and shellfish	123	80	88	48	60	(NA)	45	79	130	94	78	(NA)
Canned products [4]	**1,346**	**1,382**	**1,516**	**1,495**	**1,294**	**1,351**	**742**	**1,067**	**1,928**	**2,013**	**1,499**	**1,535**
Fish and shellfish	805	799	1,010	1,086	887	953	633	920	1,782	1,878	1,367	1,396
Animal food	540	583	506	409	407	398	105	148	146	135	132	139
Cured fish [5]	**71**	**55**	**66**	**43**	**43**	(NA)	**77**	**102**	**175**	**135**	**105**	**110**
Salted (incl. spiced, pickled) [6]	39	30	43	16	17	(NA)	30	44	85	37	32	(NA)
Smoked	31	24	22	25	24	(NA)	43	56	86	92	68	(NA)
Dried (cod) lutefisk [6]	1	1	1	2	2	(NA)	4	2	4	6	5	(NA)
Industrial products	(x)	(x)	(x)	(x)	(x)	(x)	**108**	**173**	**272**	**213**	**235**	**252**
Meal and scrap (mil. tons)	(z)	(z)	[4] (z)	(z)	(z)	(z)	46	66	134	119	123	(NA)
Oil (body and liver)	206	246	313	184	348	399	18	33	58	33	54	(NA)
Fish solubles (mil. tons)	(z)	(z)	(z)	(z)	(z)	(z)	5	9	14	15	16	(NA)
Other	(x)	(x)	(x)	(x)	(x)	(x)	38	67	66	46	42	(NA)

NA Not available. X Not applicable. Z Less than 500,000 tons. [1] Except as indicated. [2] Excludes Alaska. [3] Includes bait and unbreaded portions. [4] Includes salmon eggs for bait. [5] Includes sun-dried and freeze-dried. [6] In 1970 and 1975 dried cod was included in salted.

Source of tables 1229–1231: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1232. Fishery Products—Imports and Exports: 1960 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

Year	Imports				Exports			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1960	363	1,095	311	53	44	61	26	19
1965	601	1,399	479	121	69	96	49	20
1970	1,037	1,873	813	225	118	140	94	24
1973	1,583	2,416	1,398	185	299	239	242	57
1974	1,711	2,267	1,495	215	262	178	195	67
1975	1,637	1,913	1,367	270	305	218	267	37
1976	2,328	2,228	1,914	414	385	241	330	55
1977	2,634	2,176	2,078	555	520	331	473	47
1978	3,086	2,411	2,256	830	906	448	832	74
1979	3,809	2,359	2,672	1,137	1,064	554	1,022	62
1980	3,648	2,145	2,687	962	1,006	574	904	102
1981	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982	4,523	2,225	3,202	1,321	1,059	657	999	60
1983, prel.	5,129	2,387	3,627	1,502	1,009	602	908	101

No. 1233. Selected Fishery Products—Imports and Exports: 1980 to 1983

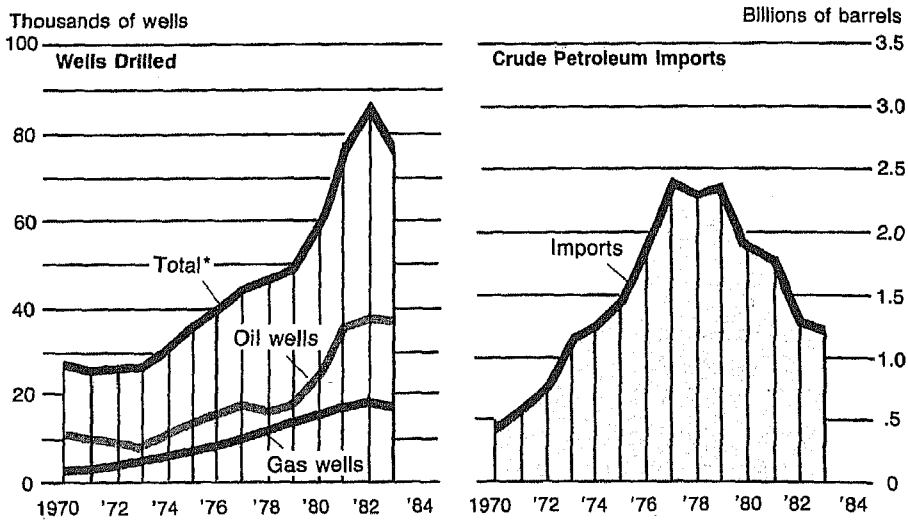
[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

Product	Quantity (mil. lb.)				Value (mil. dol.)				Rank of three major foreign sources, 1983
	1980	1981	1982	1983, prel.	1980	1981	1982	1983, prel.	
IMPORTS									
Edible [1]	**2,144.9**	**2,272.5**	**2,225.0**	**2,386.8**	**2,686.7**	**3,034.2**	**3,202.4**	**3,626.7**	(x)
Fresh or frozen	1,866.0	1,988.5	1,921.3	2,051.5	2,319.7	2,640.2	2,806.2	3,211.9	Canada, Japan, Iceland.
Whitefish [2]	8.2	7.5	8.3	9.7	8.0	7.2	7.4	7.4	Canada, Brazil, Uruguay.
Halibut [2]	6.3	6.3	6.7	6.1	9.3	10.1	10.4	11.2	Canada, Japan, Iceland.
Salmon [2]	5.5	6.5	10.4	14.4	13.9	15.9	22.1	33.4	Canada, Norway, Netherlands.
Sea herring	22.0	14.3	28.8	27.7	3.6	3.0	5.1	4.9	Canada, Iceland, Norway.
Smelt	11.3	12.6	14.4	11.9	4.8	6.5	7.5	6.7	Canada, China, Norway.
Tuna	722.7	721.3	558.5	505.2	429.3	478.6	360.7	240.0	Japan, Taiwan, Ghana.
Groundfish fillets, blocks [3]	557.1	601.3	614.2	682.6	545.8	605.2	629.0	708.0	Canada, Iceland, Denmark
Other fillets and steaks	148.2	157.0	145.7	141.5	158.4	194.2	189.0	188.0	Canada, Iceland, Denmark.
Scallops (meats)	20.9	26.2	20.9	34.3	82.0	112.7	73.0	158.7	Canada, Japan, Iceland.
Lobster, American and spiny	50.5	55.8	54.4	63.8	270.6	308.7	315.6	364.0	Canada, Australia, Brazil.
Shrimp and prawn	215.1	218.4	268.5	328.3	711.2	715.0	970.0	1,198.0	Mexico, Ecuador, India.
Canned [1]	212.0	161.6	224.5	257.6	297.0	207.9	308.7	330.4	Thailand, Japan, Philippines.
Anchovies, in oil	4.5	4.3	4.2	3.8	13.2	13.5	11.0	8.1	Spain, Portugal Morocco.
Salmon	.2	.1	.2	.3	.4	.1	.6	1.5	Canada, Japan, United Kingdom.
Sardines, in oil	18.2	18.2	14.1	17.2	24.2	25.1	19.1	21.2	Norway, Yugoslavia, Portugal.
Sardines and herring [4]	38.5	43.2	41.3	23.7	28.4	35.8	30.5	21.5	Japan, Canada, Peru.
Tuna	63.6	70.9	87.6	122.3	97.3	110.4	113.3	137.3	Thailand, Philippines, Japan.
Bonito and yellowtail	.8	.9	.5	.2	.6	.8	.4	.3	Peru, Philippines, Japan.
Crab meat	5.0	5.0	5.7	6.5	12.5	13.2	16.3	20.6	Thailand, Taiwan, Malaysia.
Oysters	17.0	20.4	22.4	21.6	20.3	24.0	26.5	24.8	Rep. of Korea, Hong Kong, Japan.
Lobster, American and spiny	2.2	3.1	3.4	1.2	12.8	20.4	26.1	8.6	Canada, Thailand, Taiwan.
Pickled or salted [1]	53.3	67.9	64.3	60.9	50.4	71.0	62.5	56.1	Canada, Norway, Iceland.
Cod, haddock, hake, pollock, cusk	33.0	45.3	40.8	37.7	36.0	56.2	48.6	42.9	Canada, Norway, Spain.
Herring	16.7	20.1	21.2	20.3	10.4	11.5	10.6	9.8	Canada, Philippines, Sweden.
Nonedible scrap and meal	**99.0**	**118.9**	**168.7**	**135.9**	**15.5**	**20.5**	**25.7**	**21.8**	**Chile, Canada, Panama.**
EXPORTS									
Canned salmon	74.0	63.5	41.2	54.5	150.0	128.6	65.9	97.0	(x)
Canned sardines	1.8	1.7	1.0	1.0	1.4	1.7	.9	.7	(x)
Fish oil, nonedible	**284.0**	**238.3**	**202.3**	**404.1**	**52.4**	**42.6**	**35.7**	**59.8**	(x)

X Not applicable. [1] Includes products not shown separately. [2] Excludes fillets. [3] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. [4] Not in oil.

Source of tables 1232 and 1233: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

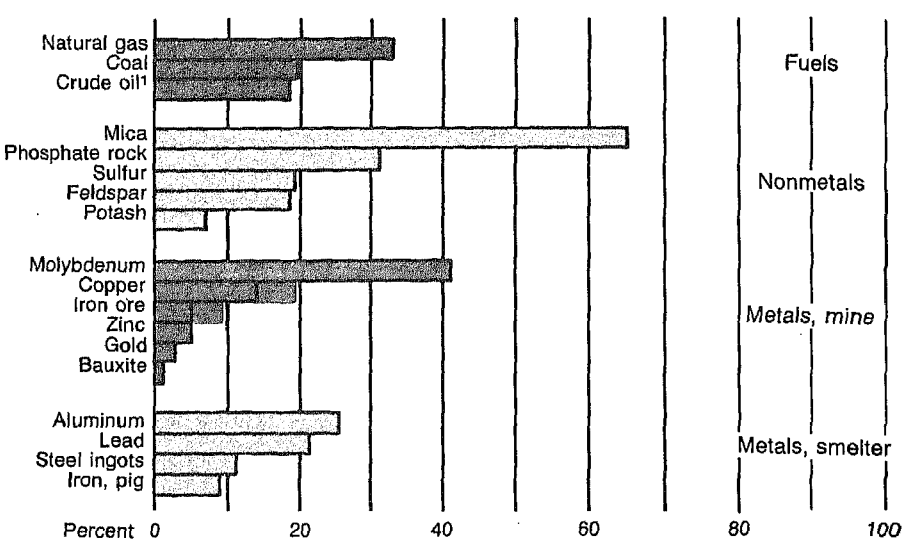
Figure 27.1
Wells Drilled and Imports of Crude Petroleum: 1970 to 1983



* Includes dry holes.

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1249 and 1254.

Figure 27.2
U.S. Mineral Production as Percent of World Total: 1982



[1] Includes natural gas liquids.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1244.

1985

Section 27

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in Sections 29 and 33 of this *Abstract;* data on mining employment may be found in Section 14.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing, and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook,* published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, Section 20 for list of Department of Energy publications. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal,* issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age,* issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry,* conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, accidents, and injuries in the mineral industries, except petroleum and natural gas. In October 1977, mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series. Included in this series, beginning in 1973, is the *Annual Survey of Oil and Gas.*

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1238. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

No. 1234. Summary of Mineral Operations: 1958 to 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982 [1]
Establishments [2]	Number	36,392	38,651	28,579	25,269	31,359	72,842
With 20 or more employees [2]	Number	6,045	5,499	5,682	5,312	6,632	10,201
Including all operations in manufactures	Number	37,966	40,532	29,688	26,178	31,967	(NA)
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,680	13,520	12,419
Employees, total	1,000	734	616	567	595	799	1,105
Production workers [3]	1,000	565	482	433	443	593	763
All other	1,000	169	134	134	152	206	342
Workerhours, production workers [3]	Million	1,081	973	892	909	1,183	1,581
Workerhours per production workers	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	*Mil. dol*	*3,749*	*3,743*	*4,187*	*6,226*	*13,167*	*28,357*
Wages, production workers [3]	Mil. dol	2,623	2,680	2,888	4,250	9,082	18,063
Salaries, all other employees	Mil. dol	1,126	1,063	1,299	1,976	4,085	10,294
Cost of supplies, etc. [4]	Mil. dol	7,521	8,974	10,576	14,884	46,079	108,256
Value added in mining	Mil. dol	13,385	15,910	19,330	26,471	68,013	190,061
Metal mining	Mil. dol	1,180	1,418	1,557	2,382	3,504	3,217
Coal mining	Mil. dol	1,780	1,727	2,091	3,754	11,266	18,677
Oil and gas extraction	Mil. dol	9,033	11,020	13,394	17,612	48,587	161,803
Nonmetallic minerals mining	Mil. dol	1,392	1,745	2,288	2,723	4,656	6,364
Value of shipments and receipts [5]	Mil. dol	16,373	18,604	22,784	36,319	96,375	251,185
Capital expenditures	Mil. dol	2,804	3,264	4,058	5,036	17,718	47,133

NA Not available. [1] Preliminary. [2] See footnote 4, table 1237. [3] See footnote 5, table 1237. [4] Includes purchased machinery installed. [5] See footnote 7, table 1237.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977* and *1982*.

No. 1235. National Income Originating in Mining: 1965 to 1983

[**In billions of dollars, except percent.** For definition of national income, see text, p. 427. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970*, series F 230, for single-year figures prior to revisions issued in 1981]

INDUSTRY	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total mining	**6.1**	**8.0**	**10.5**	**16.0**	**18.6**	**20.9**	**22.8**	**24.2**	**30.1**	**38.5**	**45.1**	**46.5**	**40.0**
Percent of total national income	1.1	1.0	1.0	1.4	1.5	1.5	1.4	1.3	1.5	1.8	1.9	1.9	1.5
Metal mining	.9	1.2	1.5	1.6	1.6	1.8	1.7	2.0	2.8	2.8	3.2	2.0	2.1
Coal mining	1.4	2.3	3.0	5.6	6.5	6.2	6.8	7.1	8.4	8.8	9.3	9.9	8.2
Oil and gas extraction	2.7	3.2	4.1	6.8	8.3	10.7	11.7	12.0	15.7	23.3	29.2	31.3	26.5
Nonmetallic minerals, exc. fuels	1.1	1.3	1.9	2.1	2.2	2.3	2.6	3.1	3.3	3.6	3.4	3.3	3.3

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July issues.

No. 1236. Mining and Primary Metal Production Indexes: 1965 to 1983

[**1967=100.** For a discussion of revisions to the industrial production measures, see Board of Governors of the Federal Reserve, *Industrial Production*, 1976 Revision. See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	*1965*	*1970*	*1973*	*1974*	*1975*	*1976*	*1977*	*1978*	*1979*	*1980*	*1981*	*1982*	*1983*
Mining	**93.2**	**112.2**	**114.7**	**115.3**	**112.8**	**114.2**	**118.2**	**124.0**	**125.5**	**132.7**	**142.2**	**126.1**	**116.6**
Coal	93.8	108.0	104.8	106.4	113.4	117.2	121.9	114.7	135.6	146.7	141.3	142.7	136.3
Anthracite	120.7	79.2	54.9	50.9	50.1	51.9	50.2	53.4	46.7	43.7	49.2	46.5	37.0
Bituminous	92.6	109.2	106.8	108.7	116.0	119.9	124.9	117.2	139.3	150.9	145.0	146.7	140.3
Oil and gas extraction	90.5	111.6	113.7	114.4	113.3	112.0	118.0	124.6	121.7	133.3	146.8	131.1	116.6
Crude oil and natural gas	88.4	111.6	108.4	103.6	97.9	95.4	95.7	99.1	97.3	97.9	98.2	96.7	95.0
Oil and gas drilling	109.1	108.3	146.5	189.3	222.8	230.1	279.3	315.2	303.8	405.8	523.4	392.4	280.5
Metal mining	114.8	131.9	130.2	125.6	115.8	122.8	105.5	121.0	127.0	109.2	123.1	82.4	80.9
Iron ore	98.5	112.1	112.6	110.4	105.4	105.4	74.3	110.0	117.1	96.6	104.4	51.9	54.3
Nonferrous ores	123.6	149.6	146.0	139.2	125.1	138.4	133.3	130.8	135.7	120.4	139.8	110.0	104.5
Copper ore	140.7	179.0	179.8	167.0	147.0	167.2	158.1	155.6	165.6	134.7	173.5	130.4	121.8
Lead and zinc ores	108.2	122.1	113.9	120.2	111.0	108.5	103.3	89.8	83.9	89.0	77.0	81.7	72.4
Primary metals, manufacturing	**102.1**	**106.6**	**126.7**	**123.1**	**96.4**	**109.7**	**111.1**	**119.9**	**121.3**	**102.3**	**107.9**	**75.3**	**85.4**
Nonferrous metals	95.0	109.9	134.5	129.0	97.5	118.5	124.1	131.9	135.8	119.8	122.4	99.7	110.1
Copper	151.5	162.7	160.5	139.9	123.0	138.2	128.0	135.8	145.9	113.1	135.6	98.1	102.1
Aluminum	84.2	121.6	138.6	150.1	118.8	129.7	138.8	147.0	153.6	156.5	151.4	110.5	113.0
Iron and steel	105.2	104.7	122.3	119.8	95.8	104.6	103.8	113.2	113.2	92.4	99.8	61.7	71.5

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1237. Mineral Industries—Summary: 1972 to 1982

["All industries" totals for 1982 in this table differ slightly from comparable totals in table 1239. The industry data in this table are consolidated from a series of 12 preliminary reports issued Oct. 1983 through July 1984; whereas the United States totals in table 1239 are based on establishment data processed in June 1984. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series M1-12]

Mineral industry	1972			1977					1982, preliminary									
	Establishments	All employees, payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Establishments		All employees		Value added in mining [2] (mil. dol.)	Establishments [4]		All employees		Production workers [5]			Value added in mining [2] (mil dol.)	Value of shipments and receipts [7] (mil. dol.)	Capital expenditures (mil. dol.)
				Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)		Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Number (1,000)	Hours [6] (millions)	Wages (mil. dol.)			
All industries	25,269	6,226	26,471	31,359	6,632	799	13,167	68,013	72,842	10,201	1,105	28,357	763	1,581	18,063	190,061	251,185	47,133
Metal mining	1,014	853	2,382	1,206	328	88	1,485	3,504	1,492	324	68	1,849	47	90	1,224	3,217	5,273	1,176
Iron ores	111	218	702	97	61	19	372	1,046	73	38	12	335	7	13	201	779	1,425	63
Copper ores	181	387	1,025	133	61	33	544	1,067	81	51	22	603	16	30	428	656	1,534	423
Lead and zinc ores	101	72	200	88	41	7	105	329	71	28	4	112	3	6	71	198	318	54
Gold and silver ores	132	30	61	175	20	5	71	161	350	75	10	255	8	15	183	624	719	234
Gold ores and placers	81	20	47	126	8	3	40	78	265	54	8	180	6	11	122	460	505	201
Silver ores	51	10	14	49	12	2	32	83	85	21	3	75	2	5	61	164	214	33
Bauxite	10	4	24	12	6	(z)	7	31	10	4	(z)	9	(z)	(z)	6	20	30	5
Ferroalloy ores, except vanadium	44	40	137	56	17	6	107	256	69	16	5	150	3	6	88	162	205	126
Metal mining services	172	31	54	270	42	3	52	112	395	22	2	59	2	4	41	89	125	27
Miscellaneous metal ores	263	71	180	375	80	14	227	502	443	90	12	326	9	17	205	689	917	244
Anthracite mining	230	35	68	176	43	4	51	123	175	42	4	70	3	6	58	175	292	23
Anthracite	213	32	63	156	38	3	48	116	152	40	3	67	3	6	56	168	283	23
Anthracite mining services	17	3	5	20	5	(z)	4	7	23	2	(z)	3	(z)	(z)	2	6	9	(z)
Bituminous coal, lignite mining	3,365	1,742	3,685	5,275	1,690	242	4,120	11,143	4,984	1,850	247	6,726	198	380	5,183	18,502	28,207	3,199
Bituminous coal and lignite	3,191	1,714	3,626	4,944	1,610	235	4,005	10,837	4,495	1,762	241	6,561	193	369	5,052	18,091	27,643	3,144
Coal mining services, n.e.c.	174	29	60	331	80	7	115	306	489	88	7	165	6	11	131	411	564	55
Oil and gas extraction	14,498	2,525	17,612	18,447	3,128	349	5,902	48,587	60,423	6,764	679	17,520	435	942	10,070	161,803	208,248	41,568
Crude petroleum and natural gas	7,609	1,375	14,422	8,573	981	140	2,738	38,327	27,518	1,963	261	7,979	104	218	2,772	127,211	137,431	33,947
Natural gas liquids	680	117	1,019	692	209	13	227	3,286	752	224	14	387	11	23	312	9,441	39,307	1,086
Oil and gas field services	6,209	1,033	2,172	9,182	1,938	196	2,936	6,974	32,153	4,577	404	9,155	320	701	6,986	25,151	31,510	6,536
Drilling oil and gas wells	1,907	422	861	2,625	840	79	1,317	3,307	10,125	1,812	166	4,027	140	297	3,257	11,606	14,220	4,131
Oil and gas exploration services	715	89	212	1,252	116	18	220	545	4,225	385	41	782	33	72	616	2,293	2,936	359
Oil and gas field services, n.e.c.	3,587	522	1,079	5,305	982	99	1,399	3,122	17,803	2,380	197	4,346	147	332	3,113	11,252	14,353	2,046
Nonmetallic minerals mining	6,162	1,070	2,723	6,255	1,443	117	1,609	4,656	5,768	1,221	106	2,192	80	163	1,528	6,364	9,164	1,166
Dimension stone [8]	198	13	26	209	23	2	19	39	154	22	2	21	1	2	16	52	66	3
Crushed and broken stone [9]	1,937	388	982	2,055	655	41	543	1,501	1,929	569	37	702	28	57	494	1,865	2,668	279
Sand and gravel [9]	2,929	322	776	2,807	430	31	418	1,017	2,752	344	28	520	21	42	379	1,346	1,880	216
Clay and related minerals [9]	309	78	198	255	103	10	136	358	214	93	10	205	7	15	136	496	868	105
Chemical and fertilizer minerals	204	203	583	205	112	24	372	1,433	183	104	24	603	17	34	396	2,242	3,140	519
Nonmetallic minerals, services	126	11	20	176	33	2	36	70	220	18	2	34	1	3	26	70	101	7
Miscellaneous [9]	459	55	138	548	87	7	87	238	316	71	6	108	5	10	81	294	443	37

Z Less than 500 or 500,000. [1] Gross earnings paid to all employees on payroll. [2] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. [3] Excludes proprietors and firm members of unincorporated concerns. [4] Not comparable to prior years for service industries. [5] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. [6] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). [7] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. [8] Excludes data for dimension stone quarries operated in conjunction with dressing plants. [9] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977,* and *1982,* final industry series reports; 1982 preliminary industry summary series.

No. 1238. Mineral Production and Value, 1970 to 1982,

[Data represent production as measured by mine shipments, mine sales, or marketable production

	MINERAL	PRODUCTION QUANTITY							
		Unit	1970	1975	1978	1979	1980	1981	1982
1	**Total mineral production**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	**Mineral fuels**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite	Mil. sh. ton	603	648	665	776	824	818	834
4	Pennsylvania anthracite	Mil. sh. ton	10	6	5	5	6	5	5
5	Natural gas (wet)	Tril. cu. ft.	21.92	20.11	19.97	20.47	20.18	19.96	18.52
6	Petroleum (crude)	Mil. bbl. [1]	3,517	3,057	3,178	3,121	3,146	3,129	3,157
7	*Uranium* [2]	Mil. lb.	23.1	23.2	37.0	37.5	43.7	38.5	26.9
8	**Nonmetallic minerals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	*Abrasive stone* [3]	Sh. ton	3,055	2,953	487	2,094	631	2,501	1,285
10	Asbestos	1,000 sh. ton	125	99	103	103	88	83	70
11	Asphalt and related bitumens (native) [4]	1,000 sh. ton	1,981	1,902	1,697	1,614	1,252	1,261	(D)
12	Barite	1,000 sh. ton	854	1,318	2,112	2,113	2,245	2,849	1,845
13	Boron minerals	1,000 sh. ton	1,041	1,172	1,554	1,590	1,545	1,481	1,234
14	Bromine	Mil. lb.	350	407	447	497	378	377	401
15	*Calcium chloride*	1,000 sh. ton	633	594	773	720	581	705	617
16	Carbon dioxide, natural (estimate)	Mil. cu. ft.	1,110	1,070	2,015	2,028	1,628	1,577	2,068
17	Cement: Portland	Mil. sh. ton	73.2	65.2	80.0	79.0	71.6	68.2	61.1
18	*Masonry*	Mil. sh. ton	3.0	2.9	4.1	3.7	3.0	2.7	2.4
19	Clays	Mil. sh. ton	54.9	49.0	56.8	54.7	48.8	44.4	35.3
20	Diatomite	1,000 sh. ton	598	573	651	717	689	687	613
21	*Emery*	1,000 sh. ton	(D)	3.5	(D)	10.0	(D)	(D)	(D)
22	Feldspar	1,000 sh. ton	726	670	735	740	710	665	615
23	Fluorspar	1,000 sh. ton	269	140	129	109	93	115	77
24	*Garnet (abrasive)*	1,000 sh. ton	18.8	17.2	29.7	21.2	26.9	25.5	27.3
25	Gem stones (estimate)	(x)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
26	Gypsum	Mil. sh. ton	9.4	9.8	14.9	14.6	12.4	11.5	10.5
27	*Helium* [5]	Mil. cu. ft.	4,600	1,079	1,550	1,617	1,458	1,398	1,248
28	Lime	Mil. sh. ton	19.7	19.1	20.4	20.9	19.0	18.9	14.1
29	Magnesium compounds [7]	1,000 sh. ton	708	(D)	(D)	(D)	(D)	(D)	(D)
30	Mica: Scrap	1,000 sh. ton	119	135	182	134	116	133	106
31	Sheet	1,000 lb.	–	5.0	(D)	–	–	–	–
32	Peat	1,000 sh. ton	526	746	750	798	788	757	730
33	Perlite	1,000 sh. ton	456	512	641	660	638	591	506
34	Phosphate rock	Mil. sh. ton	38.7	48.8	55.2	56.9	60.0	59.1	41.2
35	Potash [8]	1,000 sh. ton	2,729	2,094	2,543	2,632	2,444	2,103	1,967
36	Pumice	1,000 sh. ton	3,036	3,892	1,208	1,172	543	499	416
37	Pyrites	1,000 lg. ton	(D)	625	766	1,032	834	784	665
38	*Salt (common)*	Mil. sh. ton	45.9	41.0	42.9	45.8	40.4	38.9	37.9
39	Sand and gravel	Mil. sh. ton	944	789	996	979	793	720	626
40	Sodium carbonate (natural)	1,000 sh. ton	2,688	4,328	6,790	(D)	(D)	(D)	(D)
41	Sodium sulfate (natural)	1,000 sh. ton	602	667	605	533	583	608	(D)
42	Stone [9]	Mil. sh. ton	869	901	1,051	1,101	982	874	791
43	Sulfur: Frasch mines (shipments)	1,000 lg. ton	6,504	6,077	5,645	7,388	7,283	5,817	3,541
44	Talc, soapstone, pyrophyllite	1,000 sh. ton	1,028	965	1,384	1,453	1,473	1,349	1,135
45	Tripoli	1,000 sh. ton	68	81	119	116	121	107	113
46	*Vermiculite*	1,000 sh. ton	285	330	337	346	337	320	316
47	Nonmetallic minerals, undistributed [10]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
48	**Metals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
49	Antimony ore and concentrate	Sh. ton [11]	1,130	886	(D)	722	343	646	503
50	Bauxite (dried)	1,000 lg. ton [12]	2,082	1,772	1,643	1,792	1,534	1,486	720
51	Copper [2]	1,000 sh. ton	1,720	1,413	1,496	1,591	1,302	1,696	1,256
52	Gold [2]	1,000 fine oz	1,743	1,052	999	964	970	1,379	1,447
53	Iron ore, usable [14]	Mil. lg. ton [15]	87.2	75.7	83.2	86.1	69.6	72.2	35.8
54	Lead [2]	1,000 sh. ton	572	621	584	579	607	491	565
55	Manganiferous ore [16]	1,000 sh. ton [15]	368	159	312	241	174	175	32
56	*Mercury*	76 lb. flask	27,296	7,366	24,163	29,519	30,657	27,904	25,760
57	Molybdenum [17]	Mil. lb.	110	105	131	144	149	119	78
58	Nickel [18]	1,000 sh. ton	15.9	17.0	13.5	15.1	14.7	12.1	3.2
59	*Silver* [2]	Mil. fine oz	45.0	34.9	39.4	37.9	32.3	40.7	40.2
60	Titanium concentrate: Ilmenite [2]	1,000 sh. ton [15]	921	702	581	646	594	524	233
61	*Tungsten ore and concentrate*	1,000 lb. [19]	9,312	5,490	6,901	6,646	6,036	7,815	3,473
62	Vanadium [2]	Sh. ton	5,319	4,743	4,272	5,520	4,806	5,126	4,098
63	Zinc [2]	1,000 sh. ton	534	469	334	295	350	344	334
64	*Metals, undistributed* [10]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)

– Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. [1] 42 gal. bbl. [2] *Recoverable content of ores, etc.* [3] Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. [4] Contains bituminous limestone and sandstone, and gilsonite. [5] Value included in "Nonmetallic minerals, undistributed." [6] 1970–1981, crude and refined; 1982, refined only. [7] From sea water and brines, *except for metals* (M_gO equiv.). [8] K_2O equivalent. [9] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

AND PRINCIPAL PRODUCING STATES, 1982

(including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37 for selected values]

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1982	
1970	1975	1978	1979	1980	1981	1982		
26,369.7	**59,906.9**	**82,077.0**	**106,893.0**	**147,021.0**	**187,126.0**	**179,086.0**	(x).	1
18,800.0	45,422.0	62,262.0	82,919.0	121,616.0	161,899.0	159,395.0	(x).	2
3,770.0	12,470.0	14,490.0	18,360.0	20,200.0	21,510.0	22,620.0	KY, WV, WY, PA, IL.	3
110.0	200.0	180.0	200.0	260.0	240.0	230.0	PA.	4
3,730.0	9,050.0	18,180.0	24,160.0	32,090.0	39,510.0	45,560.0	TX, LA, OK, NM.	5
11,190.0	23,450.0	28,600.0	39,450.0	67,930.0	99,400.0	90,030.0	TX, AK, LA, CA.	6
(NA)	252.0	812.0	749.0	1,136.0	1,239.0	955.0	NM, WY, TX.	7
5,791.2	**9,570.0**	**13,517.0**	**15,438.0**	**16,213.0**	**16,385.0**	**14,147.0**	(x).	8
.6	1.1	1.3	2.1	1.9	1.1	.6	AR, WI, OH.	9
10.7	14.2	26.0	28.9	30.6	30.7	24.9	CA and VT.	10
8.9	17.8	19.3	25.6	25.0	27.7	(D)	UT.	11
12.8	21.2	44.0	53.6	66.0	102.4	69.5	NV, MO, AR, GA.	12
86.8	158.8	279.9	310.2	366.8	435.4	384.6	CA.	13
60.6	113.1	100.0	114.5	95.4	90.2	102.6	AR and MI.	14
15.2	29.0	53.9	51.9	47.9	61.7	61.5	MI and CA.	15
.2	.3	2.6	3.2	2.6	2.6	3.4	CO, NM, CA.	16
1,268.7	2,015.6	3,239.6	3,650.4	3,613.3	3,515.6	3,084.4	TX, CA, PA, MI.	17
67.5	111.8	208.6	204.8	188.5	161.8	145.2		18
267.9	424.6	717.3	846.1	898.9	988.8	825.1	GA, TX, WY, CA.	19
32.6	45.8	72.4	90.3	100.6	113.0	107.6	CA, NV, WA, OR.	20
(5)	(5)	(5)	.2	(5)	(5)	(5)	NY.	21
9.6	11.7	18.2	21.5	23.2	21.0	20.3	NC, CO, GA, CA.	22
13.9	10.9	13.3	12.2	12.6	18.4	13.3	IL, TX, NV.	23
1.9	1.7	2.3	1.5	1.9	2.1	2.3	ID, NY, ME.	24
2.4	13.9	8.9	8.2	6.9	7.6	7.2	(NA)	25
35.1	44.7	92.7	99.9	103.1	98.1	89.1	TX, OK, IA, CA.	26
64.2	23.9	31.9	31.3	30.2	33.9	42.4	KS, TX, NM.	27
286.2	523.8	749.7	862.5	842.9	884.2	696.2	OH, MO, KY, PA.	28
62.4	(5)	(5)	(5)	(5)	(5)	(5)	MI, CA, FL, TX.	29
2.5	5.2	8.0	7.7	6.3	8.2	6.3	NC, NM, SC, GA.	30
–	(z)	(5)	–	–	–	–	(x).	31
6.0	12.3	13.0	15.5	16.2	18.8	16.7	MI, FL, IN, IL.	32
4.9	7.3	13.7	16.4	16.5	17.5	16.0	NM, AZ, CA, ID.	33
203.2	1,122.2	928.8	1,045.7	1,256.9	1,438.0	950.3	FL, ID, NC, TN.	34
98.1	223.1	226.5	279.2	353.9	328.9	265.6	NM, UT, CA.	35
4.7	11.2	4.8	4.9	4.3	4.3	3.8	OR, NM, CA, ID.	36
(5)	4.8	12.3	17.1	13.8	49.2	41.9	TN, CO, AZ.	37
304.8	368.1	499.3	538.4	656.2	637.6	671.1	LA, TX, NY, OH.	38
1,115.7	1,416.3	2,302.0	2,427.0	2,289.0	2,260.3	2,022.9	CA, TX, AK, OH.	39
56.3	182.6	371.3	(5)	(5)	(5)	(5)	WY and CA.	40
10.9	27.7	27.9	29.7	36.4	43.2	(5)	CA, TX, UT.	41
1,474.9	2,120.3	2,885.7	3,398.7	3,393.5	3,275.4	3,063.4	TX, FL, PA, IL.	42
151.8	304.8	279.9	449.4	720.5	715.7	434.7	TX and LA.	43
7.8	8.9	15.8	20.4	25.6	31.5	27.2	MT, VT, TX, NY.	44
.5	.6	.8	6.3	.7	.6	.7	IL, OK, AR, PA.	45
6.5	13.8	19.7	22.0	23.5	26.2	28.5	MT, SC, VA.	46
34.4	157.2	222.6	740.3	941.2	933.5	917.4	(x).	47
3,778.5	**4,914.9**	**6,298.0**	**8,536.0**	**8,921.0**	**8,842.0**	**5,544.0**	(x).	48
(12)	2.1	(12)	(12)	(12)	(12)	(12)	ID and MT.	49
30.1	25.1	23.2	24.9	22.4	26.5	12.3	AR, AL, GA.	50
1,984.5	1,814.8	1,990.3	2,960.7	2,666.9	2,886.4	1,866.9	AZ, UT, NM, MT.	51
63.4	169.9	193.3	296.6	594.1	633.9	543.9	NV, SD, UT, MT.	52
941.7	1,620.6	2,390.1	2,814.0	2,543.5	2,914.7	1,491.7	MN, MI, CA, WY.	53
178.6	267.2	393.5	609.9	515.2	358.8	288.5	MO, ID, CO, NY.	54
(12)	1.4	3.1	2.9	2.4	2.9	.3	MN and SC.	55
11.1	1.2	3.7	8.3	11.9	11.5	(12)	NV.	56
190.1	259.3	607.9	871.1	1,344.2	945.5	514.8	CO, AZ, NV, UT.	57
(12)	(12)	(12)	(12)	(12)	(12)	(12)	OR.	58
79.7	154.4	212.7	420.3	667.3	427.9	319.9	ID, AZ, MT, UT.	59
18.6	26.9	25.6	33.0	32.0	37.0	19.1	FL, NY, NJ.	60
23.8	29.1	56.7	55.8	50.6	62.2	22.1	CA, CO, NV, MT.	61
34.9	49.3	56.8	73.9	64.4	71.5	52.6	CO, UT, ID, AK.	62
163.7	366.1	206.9	219.8	261.7	306.9	254.7	TN, MO, NY, PA.	63
58.4	127.5	133.8	145.0	144.8	156.2	157.6	(x).	64

[10] Comprises value of items that cannot be disclosed. [11] Antimony content. [12] Included with "Metals, undistributed." [13] Dried equivalent. [14] Represents shipments excluding byproduct iron sinter. [15] Gross weight. [16] 5 to 35 percent manganiferous ore. [17] Content of concentrate. [18] Content of ore and concentrate. [19] Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and beginning 1978 for mineral fuels, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1239. Mineral Industries—States: 1972 to 1982

[Represents establishments classified in the mineral industries only. Excludes data for stone, sand and gravel, clay and gypsum mines operated as parts of manufacturing establishments. See headnote, table 1237. For composition of regions, see fig. I inside front cover]

Region, division, and state	1972		1977		1982, prel.				
	All employees (1,000)	Value added in mining (mil. dol.)	All employees (1,000)	Value added in mining (mil. dol.)	Establishment: Total	Establishment: With 20 employees or more	All employees: Number (1,000)	All employees: Payroll (mil. dol.)	Value added in mining (mil. dol.)
U.S.[1]	**595.1**	**26,471**	**798.8**	**68,013**	**72,990**	**10,168**	**1,105.1**	**28,330**	**190,237**
Region:									
Northeast	58.7	1,155	65.6	2,576	3,018	556	65.7	1,667	3,813
Midwest	97.6	2,983	117.1	6,545	12,557	1,143	134.8	3,383	14,825
South	320.3	17,117	449.3	45,061	45,220	6,525	674.9	16,866	120,924
West	120.4	5,215	163.6	13,588	12,123	1,910	225.2	6,264	47,942
N. Eng	**3.8**	**76**	**3.8**	**99**	**346**	**56**	**4.7**	**124**	**211**
ME	.3	6	.3	5	28	2	.2	4	10
NH	.2	6	.2	8	28	3	.3	7	18
VT	.8	14	.7	25	46	12	.8	15	36
MA	1.5	28	1.3	32	124	14	1.2	28	76
RI	.3	4	.1	5	21	3	.3	6	20
CT	.7	18	1.2	24	99	22	1.9	64	49
Mid. Atl	**52.9**	**1,079**	**61.8**	**2,477**	**2,672**	**500**	**61.0**	**1,543**	**3,602**
NY	7.7	154	7.1	218	599	72	9.5	259	442
NJ	3.3	78	3.0	93	173	42	3.5	103	151
PA	41.9	847	51.7	2,166	1,900	386	48.0	1,181	3,009
E. No. Cent	**60.8**	**1,592**	**75.7**	**3,762**	**5,722**	**866**	**82.8**	**2,127**	**8,118**
OH	20.1	465	27.6	1,181	2,183	252	28.6	699	2,668
IN	6.3	211	8.4	392	707	98	10.3	266	789
IL	20.5	546	25.8	1,163	1,681	201	31.2	843	2,632
MI	11.4	306	11.3	939	940	91	10.8	280	1,936
WI	2.5	64	2.6	87	211	24	1.9	39	91
W. No. Cent	**36.8**	**1,391**	**41.4**	**2,783**	**6,835**	**477**	**52.0**	**1,256**	**6,707**
MN	11.7	498	11.5	699	173	36	9.2	249	605
IA	2.5	53	2.9	88	218	24	2.1	32	116
MO	8.9	218	8.1	396	390	64	7.8	196	370
ND	1.5	84	2.5	325	1,033	101	8.4	222	2,030
SD	1.8	32	2.4	68	146	9	2.2	49	161
NE	1.5	40	1.8	73	432	23	2.2	43	245
KS	8.9	466	12.2	1,134	4,443	220	20.1	465	3,180
So. Atl	**92.4**	**2,174**	**117.6**	**5,406**	**4,046**	**1,045**	**113.9**	**2,721**	**9,457**
DE	2.2	58	2.3	79	32	3	.2	5	3
DC									
MD					145	30	2.6	59	183
VA	16.8	360	23.2	1,016	916	281	24.5	535	1,524
WV	53.0	1,195	69.6	2,820	2,095	495	62.8	1,671	4,757
NC	3.3	71	3.7	111	183	59	4.0	67	206
SC	1.5	34	1.5	47	82	27	1.6	25	80
GA	6.8	158	7.4	294	219	74	7.7	143	447
FL	8.0	298	9.9	1,039	374	76	10.5	216	2,257
E. So. Cent	**51.9**	**1,428**	**77.0**	**4,167**	**4,403**	**871**	**89.7**	**2,135**	**8,728**
KY	30.2	780	47.8	2,515	2,133	524	55.4	1,365	4,280
TN	7.3	152	9.1	378	548	118	9.0	186	612
AL	8.8	264	14.1	787	591	115	15.8	372	1,980
MS	5.6	232	6.0	507	1,131	114	9.5	212	1,856
W. So. Cent	**178.0**	**13,515**	**254.7**	**35,468**	**36,771**	**4,609**	**470.7**	**12,010**	**102,739**
AR	3.7	142	4.7	395	853	58	5.3	115	1,044
LA	49.6	5,529	63.1	11,981	5,595	972	102.7	2,706	32,484
OK	26.9	1,133	43.5	3,418	9,131	1,053	102.0	2,609	13,591
TX	95.8	6,711	143.4	19,674	21,192	2,526	260.7	6,580	55,620
Mt	**85.3**	**3,367**	**119.9**	**8,668**	**9,225**	**1,299**	**157.7**	**4,236**	**22,217**
MT	5.6	169	5.9	560	1,148	87	8.5	214	1,749
ID	2.8	51	3.3	144	190	29	2.7	76	194
WY	11.5	679	22.7	2,282	2,091	323	34.1	939	6,837
CO	13.5	409	22.7	1,179	2,804	390	46.0	1,320	3,769
NM	16.2	958	23.5	2,689	1,578	247	26.0	643	6,798
AZ	21.1	625	21.0	751	296	52	16.6	429	744
UT	11.4	372	16.7	911	784	120	17.4	463	1,670
NV	3.2	104	4.1	152	334	51	6.4	152	458
Pac	**35.1**	**1,848**	**43.7**	**4,920**	**2,898**	**611**	**67.5**	**2,028**	**25,725**
WA	1.9	46	2.0	85	251	23	2.9	69	239
OR	1.3	38	1.3	59	221	19	1.4	27	80
CA	29.0	1,401	34.8	3,552	2,181	479	49.7	1,410	11,779
AK	2.6	354	5.5	1,216	232	85	13.3	516	13,612
HI	.3	9	.1	8	13	5	.2	6	15

[1] Includes offshore areas not associated with a State.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1977, General Summary, MIC 77-SR-1* and 1982 preliminary State summary series.

No. 1240. Mineral Production—Value, 1975 to 1982, and Principal Minerals in Order of Value, 1982, by State

[In millions of dollars. Data for States will not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. I, inside front cover]

Region, division, and state	1975	1979	1980	1981	1982			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S.	**59,907**	**106,893**	**147,021**	**187,126**	**179,086**	**159,395**	**19,691**	Petroleum, natural gas (wet), coal.
Region:								
Northeast	3,611	4,678	4,710	4,869	4,697	3,204	1,493	(x)
Midwest	8,216	14,591	16,286	18,622	16,883	12,132	4,751	(x)
South	38,473	50,126	78,072	108,397	108,976	102,660	6,316	(x)
West	11,963	14,574	39,262	(D)	47,339	40,215	7,124	(x)
N.E	**181**	**293**	**268**	**279**	**258**	-	**258**	(x)
ME	37	46	37	43	35	-	35	Sand and gravel, cement, stone.
NH	17	23	25	23	23	-	23	Sand and gravel, stone, clays.
VT	29	54	43	54	50	-	50	Stone, sand and gravel, asbestos.
MA	59	93	91	95	89	-	89	Stone, sand and gravel, lime.
RI	6	8	6	5	5	-	5	Sand and gravel, stone, gem stones.
CT	33	69	66	59	56	-	56	Stone, sand and gravel, feldspar.
M.A	**3,430**	**4,385**	**4,442**	**4,590**	**4,439**	**3,204**	**1,235**	(x)
NY	398	497	557	555	587	87	500	Stone, salt, cement.
NJ	124	152	149	149	132	-	132	Stone, sand and gravel, zinc.
PA	2,908	3,736	3,736	3,886	3,720	3,117	603	Coal, cement, stone.
E.N.C	**4,813**	**7,935**	**9,005**	**9,538**	**9,269**	**7,066**	**2,203**	(x)
OH	1,356	2,147	2,390	2,439	2,444	1,994	450	Coal, petroleum, natural gas.
IN	542	957	1,106	1,103	1,174	959	215	Coal, petroleum, stone.
IL	1,491	2,346	2,770	2,790	3,009	2,619	390	Coal, petroleum, stone.
MI	1,292	2,306	2,587	3,054	2,530	1,494	1,036	Petroleum, iron ore, natural gas.
WI	132	180	152	152	112	--	112	Stone, sand and gravel, lime.
W.N.C	**3,403**	**6,656**	**7,281**	**9,084**	**7,614**	**5,066**	**2,548**	(x)
MN	1,097	2,068	1,782	2,155	1,110	-	1,110	Iron ore, sand and gravel, stone.
IA	196	292	265	247	231	12	219	Stone, cement, sand and gravel.
MO	723	1,275	1,172	1,000	877	143	734	Lead, cement, stone.
ND	202	506	801	1,882	1,807	1,794	13	Petroleum, coal, natural gas.
SD	102	172	250	233	180	44	136	Gold, cement, stone.
NE	112	204	272	322	298	218	80	Petroleum, cement, sand and gravel.
KS	971	2,140	2,740	3,245	3,111	2,855	256	Petroleum, natural gas, cement.
S.A	**7,191**	(D)	**10,528**	**11,496**	**10,674**	**7,769**	**2,905**	(x)
DE	2	3	2	3	3	-	3	Magnesium compounds, sand and gravel, clays.
MD	165	261	293	313	293	122	171	Coal, stone, cement.
VA	1,262	1,657	1,708	1,766	1,640	1,377	263	Coal, stone, cement.
WV	3,390	4,248	4,860	4,992	5,490	5,414	76	Coal, natural gas, petroleum.
NC	153	342	380	373	257	-	257	Stone, phosphate, lithium.
SC	115	202	195	206	194	-	194	Cement, stone, clays.
GA	333	(D)	771	801	718	-	718	Clays, stone, cement.
FL	1,771	1,965	2,317	3,042	2,079	856	1,223	Petroleum, phosphate, stone.
E.S.C	**4,541**	**7,449**	**8,316**	**10,155**	**9,693**	**8,735**	**958**	(x)
KY	2,739	4,291	4,498	5,142	5,029	4,822	207	Coal, petroleum, stone.
TN	423	651	674	771	639	260	379	Coal, stone, zinc.
AL	969	1,647	1,994	2,442	2,338	2,039	299	Coal, petroleum, natural gas.
MS	410	860	1,150	1,800	1,687	1,614	73	Petroleum, natural gas, sand & gravel.
W.S.C	**26,741**	**42,677**	**59,228**	**90,283**	**88,609**	**86,156**	**2,453**	(x)
AR	436	709	787	1,089	1,095	839	256	Petroleum, natural gas, bromine.
LA	8,513	14,138	16,396	30,673	31,364	30,946	418	Natural gas, petroleum, sulfur.
OK	2,267	4,548	7,336	9,719	10,762	10,537	225	Natural gas, petroleum, coal.
TX	15,525	23,282	34,710	48,802	45,368	43,834	1,554	Petroleum, natural gas, cement.
Mt	**8,014**	**14,574**	**18,862**	**24,166**	(D)	(D)	**5,072**	(x)
MT	573	1,044	1,331	1,908	1,732	1,465	267	Petroleum, coal, natural gas.
ID	234	438	522	425	300	-	300	Silver, phosphate, lead.
WY	1,644	3,136	5,133	7,372	6,885	6,217	668	Petroleum, coal, natural gas.
CO	958	1,924	2,544	2,867	2,678	2,040	638	Petroleum, natural gas, coal.
NM	2,092	3,986	4,789	6,403	5,520	5,088	432	Natural gas, petroleum, coal.
AZ	1,288	2,495	2,476	2,563	(D)	[1] 1	1,619	Copper, molybdenum, cement.
UT	966	1,376	1,661	2,104	2,096	1,474	622	Petroleum, coal, copper.
NV	259	274	408	524	541	15	526	Gold, molybdenum, barite.
Pac	**3,949**	(D)	**20,400**	(D)	(D)	(D)	**2,052**	(x)
WA	159	(D)	207	(D)	(D)	(D)	172	Cement, sand and gravel, stone.
OR	106	165	152	140	108	-	108	Stone, sand and gravel, lime.
CA	3,153	6,628	10,483	13,238	12,627	11,015	1,612	Petroleum, natural gas, cement.
AK	481	5,732	9,498	14,357	(D)	[1] 12,608	113	Petroleum, natural gas, sand and gravel.
HI	50	64	60	57	47	-	47	Stone, cement, sand and gravel.

- Represents zero. D Withheld to avoid disclosing individual company data. X Not applicable. [1] Excludes coal.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

No. 1241. Mineral Production Value—Summary: 1970 to 1982

[In billions of dollars]

TYPE	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Fossil fuels:												
Production	18.8	20.6	23.2	36.1	45.2	49.3	55.5	61.5	82.2	120.5	160.7	158.4
Imports	3.0	4.7	8.1	27.1	26.4	33.9	44.2	42.2	60.0	78.8	80.2	64.3
Exports	1.6	1.5	1.7	3.4	4.4	4.2	4.2	3.8	5.6	7.7	9.0	11.4
Metals:												
Production	3.8	3.6	4.4	5.5	4.9	6.1	5.2	6.3	8.5	8.9	8.8	5.5
Imports	1.2	1.0	1.1	1.8	1.6	1.6	1.5	(NA)	1.8	2.1	2.3	(NA)
Exports	.3	.2	.3	.3	.4	.4	.5	(NA)	1.3	1.7	1.2	(NA)
Nonmetals:												
Production	5.8	6.5	7.4	8.7	9.6	10.6	11.7	13.5	15.4	16.2	16.4	14.1
Imports	.6	.6	.8	1.2	1.2	1.2	1.5	(NA)	2.3	2.6	2.9	(NA)
Exports	.2	.2	.3	.5	.7	.6	.7	(NA)	1.8	2.3	1.8	(NA)

NA Not available.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, annual, and U.S. Energy Information Administration, *Annual Energy Review*.

No. 1242. Selected Mineral Products—Average Prices: 1960 to 1983

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

YEAR	Iron ore pellets [1] (cents/l. ton, unit, iron)	Copper, electrolytic [2] (cents per lb.)	Platinum [3] (dol./troy oz.)	Gold (dol./fine oz.)	Silver (dol./fine oz.)	Lead [4] (cents per lb.)	Tin (New York) [5] (cents per lb.)	Zinc [6] (cents per lb.)	Sulfur, crude [7] (dol./long ton)	Bituminous coal [8] (dol./short ton)	Crude petroleum [9] (dol./bbl.)	Natural Gas [8] (dol./thous. cu. ft.)
1960	(NA)	32.5	83	35.00	.91	11.9	101.4	13.0	23.13	4.69	2.88	.14
1965	25.2	35.4	100	35.00	1.29	16.0	178.2	14.5	22.47	4.44	2.86	.16
1970	26.6	58.2	133	36.41	1.77	15.6	174.2	15.3	23.14	6.26	3.18	.17
1971	28.0	52.0	121	41.25	1.55	13.9	167.3	16.1	17.47	7.07	3.39	.18
1972	28.0	51.2	121	58.60	1.69	15.0	177.5	17.8	17.03	7.66	3.39	.19
1973	29.4	59.5	150	97.81	2.56	16.3	227.6	20.7	17.84	8.53	3.89	.22
1974	40.6	77.3	181	159.74	4.71	22.5	396.3	36.0	28.88	15.75	6.87	.30
1975	47.2	64.2	164	161.49	4.42	21.5	339.8	39.0	45.63	19.23	7.67	.45
1976	53.1	69.6	162	125.32	4.35	23.1	379.8	37.1	46.45	19.43	8.19	.58
1977	55.5	66.8	162	148.31	4.62	30.7	534.6	34.4	45.09	19.82	8.57	.79
1978	60.9	66.5	237	193.55	5.40	33.7	629.6	31.0	[9] 45.17	21.78	9.00	.91
1979	67.8	93.3	352	307.50	11.09	52.6	753.9	37.3	[9] 55.75	23.65	12.64	1.18
1980	73.7	102.4	439	612.56	20.63	42.5	846.0	37.4	[9] 89.06	24.52	21.59	1.59
1981	80.5	85.1	475	459.64	10.52	36.5	733.1	44.6	[9] 111.48	26.29	31.77	1.98
1982	80.5–86.9	74.3	475	375.91	7.95	25.5	653.9	38.5	[9] 108.27	27.14	28.52	2.46
1983, prel.	80.5–86.9	79.3	475	424.00	11.44	21.7	654.8	41.4	[9] 90.62	28.00	26.19	2.60

NA Not available. [1] Lower Great Lakes ports. Price as of end of year per long ton unit of contained iron, natural, delivered rail of vessel, Lake Superior ore. [2] Domestic market. [3] Average annual producer prices. [4] 1960–1971, New York prices; beginning 1972, nationwide delivered basis. [5] Straits tin through 1975; thereafter, composite price. [6] Prime western. Beginning 1971, delivered price. [7] F.O.B. works. [8] Average value at the point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*.
[9] Per metric ton.

Source: 1960–1974 compiled from *Metals Week* (copyright); *Producer Prices and Price Indexes* (U.S. Bureau of Labor Statistics), *Minerals Yearbook and Mineral Commodity Summaries* (U.S. Bureau of Mines); thereafter, except as noted, *Minerals Yearbook* and *Mineral Commodity Summaries*.

No. 1243. Mineral Industries—Employment, Hours, and Earnings: 1980 to 1983

ITEM	Unit	1980	1981	1982	1983
All mining:					
All employees	1,000	1,027	1,139	1,128	957
Production workers	1,000	762	841	821	678
Avg. weekly earnings	Dol	397	439	460	479
Avg. hourly earnings	Dol	9.17	10.04	10.77	11.27
Avg. weekly hours	No	43.3	43.7	42.7	42.5
Coal mining:					
All employees	1,000	246	245	237	195
Production workers	1,000	204	186	194	157
Avg. weekly earnings	Dol	435	482	506	548
Avg. hourly earnings	Dol	10.86	11.89	12.66	13.72
Average weekly hours	No	40.5	40.5	40.0	40.0
Oil and gas extraction:					
All employees	1,000	560	692	708	600
Production workers	1,000	389	486	491	400
Avg. weekly earnings	Dol	390	433	453	464
Production workers—Con.					
Avg. hourly earnings	Dol	8.59	9.50	10.25	10.65
Average weekly hours	No	45.4	45.6	44.2	43.6
Metal mining:					
All employees	1,000	98	104	73	57
Production workers	1,000	74	78	53	41
Avg. weekly earnings	Dol	416	468	484	494
Avg. hourly earnings	Dol	10.26	11.55	12.91	12.57
Average weekly hours	No	40.5	40.5	39.3	39.3
Nonmetallic minerals, except fuels:					
All employees	1,000	123	119	110	106
Production workers	1,000	96	91	83	80
Avg. weekly earnings	Dol	328	356	380	406
Avg. hourly earnings	Dol	7.52	8.28	8.90	9.31
Average weekly hours	No	43.6	43.0	42.7	43.6

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909–78*, and *Supplement to Employment and Earnings, Revised Establishment Data*, July 1984.

No. 1244. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1970 to 1982

Mineral	Unit	World production 1970	1975	1980	1981	1982 prel.	Percent U.S. of world 1970	1975	1980	1981	1982 prel.
Fuels: [1]											
Coal	Bil. sh. ton	3.3	3.7	4.2	4.2	4.4	18	18	20	19	19
Petroleum (crude)	Bil. bbl	16.7	19.3	21.8	20.4	19.4	21	16	14	15	16
Natural gas (dry, marketable)	Tril. cu. ft	37.7	44.7	53.5	54.5	53.6	58	43	37	36	33
Natural gas plant liquids	Bil. bbl	(NA)	1.1	1.3	1.4	1.4	(NA)	57	44	42	41
Nonmetals:											
Asbestos	Mil. sh. ton	3.9	4.6	5.4	4.9	4.8	3	2	2	2	1
Barite	Mil. sh. ton	4.3	5.4	8.1	9.1	7.9	20	25	28	31	23
Feldspar	Mil. sh. ton	2.8	2.9	3.5	3.5	3.4	26	23	20	19	18
Fluorspar	Mil. sh. ton	4.6	5.0	5.4	5.6	5.0	4	3	2	2	2
Gypsum	Mil. sh. ton	56.9	65.3	86.3	84.1	80.6	17	15	14	14	13
Mica (incl. scrap)	1,000 sh. ton	180	250	365	369	312	66	54	62	68	65
Nitrogen, agricultural [2]	Mil. sh. ton	33.4	46.7	78.7	81.6	80.1	25	20	21	19	16
Phosphate rock	Mil. sh. ton	93.6	118.6	152.5	151.6	135.2	41	41	39	39	31
Potash (K_2O equiv.)	Mil. sh. ton	20.0	27.4	30.5	29.8	28.9	14	9	8	8	7
Sulfur, elemental	Mil. lg. ton	22.2	49.9	55.7	59.0	55.8	39	22	21	23	19
Metals, mine basis:											
Bauxite	Mil. lg. ton	56.9	74.5	87.4	84.1	73.3	4	2	2	2	1
Copper [3]	Mil. sh. ton	6.6	7.7	8.4	9.0	8.8	26	18	15	19	14
Gold	Mil. troy oz	47.5	38.5	39.1	41.2	43.1	4	3	2	3	3
Iron ore	Mil. lg. ton	754	902	877	842	769	12	9	8	9	5
Lead [3]	Mil. sh. ton	3.7	3.8	3.8	3.7	3.8	15	17	16	13	15
Mercury	1,000 flask [4]	284	252	204	214	204	10	3	15	13	13
Molybdenum [3]	Mil. lb	181	177	242	241	200	61	60	62	58	41
Nickel [3]	1,000 sh. ton	693	868	821	785	670	2	2	2	2	(z)
Silver	Mil. troy oz	301	298	340	362	373	15	12	10	11	11
Titanium concentrates:											
Ilmenite	Mil. sh. ton	[5] 4.0	3.2	4.0	4.0	3.4	23	22	14	13	7
Tungsten	Mil. lb	71.4	84.3	114.1	108.5	98.9	13	7	5	7	3
Uranium oxide (U_3O_8) [5]	1,000 sh. ton	24	27	(NA)	(NA)	(NA)	53	43	(NA)	(NA)	(NA)
Vanadium [3]	1,000 sh. ton	19.9	23.2	38.3	38.7	36.5	26	20	13	13	11
Zinc [3]	Mil. sh. ton	6.0	6.4	6.4	6.2	6.7	9	7	5	6	5
Metals, smelter basis:											
Aluminum	Mil. sh. ton	10.6	13.4	17.0	16.6	14.6	37	29	30	30	25
Cadmium	Mil. lb	36.5	33.9	40.0	38.0	35.6	26	13	9	9	6
Copper	Mil. sh. ton	6.8	7.7	8.8	9.1	9.0	24	18	13	17	13
Iron, pig (incl. ferroalloys)	Mil. sh. ton	474	529	563	557	500	19	15	12	13	9
Lead	Mil. sh. ton	3.6	3.6	5.7	5.5	5.6	18	17	24	23	21
Magnesium	1,000 sh. ton	242	258	350	326	273	46	47	48	44	36
Steel ingots and castings	Mil. sh. ton	655	713	787	777	708	20	16	14	16	11
Tin	1,000 m. ton [6]	227	228	250	247	241	(NA)	3	1	1	1
Zinc	Mil. sh. ton	5.3	5.5	6.7	6.7	6.5	16	8	6	6	5

NA Not available. Z Less than .5 percent. [1] Source: Beginning 1975, Energy Information Administration, *International Energy Annual*. See table 1250 for production by world region. [2] Through 1975, for years ending June 30; thereafter as of September 30. U.S. production includes Puerto Rico. [3] Content of ore and concentrate. [4] 76-lb. flasks. [5] Excludes Soviet Union. [6] Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1245. Federal Strategic and Critical Materials Inventory: 1975 to 1983

[As of **Dec. 31.** Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale]

Mineral	Unit	Quantity [1] 1975	1980	1981	1982	1983	Value (mil. dol.) 1975	1980	1981	1982	1983
Tin	1,000 lg. ton	207	200	197	191	188	1,381	3,158	3,344	2,503	2,496
Silver	1,000 troy oz	139,500	139,500	137,506	137,506	137,506	556	2,288	1,097	1,423	1,264
Cobalt	Mil. lb	46	41	41	46	46	185	1,020	747	572	575
Bauxite [2]	1,000 lg. ton	14,332	14,333	14,333	15,958	15,958	350	583	666	733	775
Manganese [3]	1,000 sh. ton	4,274	3,495	4,837	4,775	4,701	522	540	579	556	526
Tungsten [4]	Mil. lb	75	62	93	92	92	414	533	713	493	443
Zinc	1,000 sh. ton	375	376	378	378	378	291	313	338	293	374
Titanium	1,000 sh. ton	27	21	32	32	32	145	301	459	353	353
Platinum	1,000 troy oz	453	440	453	453	453	72	209	215	215	176
Chromium [5]	1,000 sh. ton	760	763	784	784	784	815	747	788	784	756
Diamond:											
Stones	Carat	20,000	19,224	17,748	17,024	15,536	168	349	399	400	379
Industrial, bort	Carat	33,577	23,693	23,693	22,193	22,001	70	73	53	39	39

[1] Consists of stockpile and nonstockpile grades and reflects uncommitted balances. [2] Consists of abrasive grade, met. grade Jamaica, met. grade Surinam, and refractory. [3] Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. [4] Consists of carbide powder, ferro, metal powder, and ores and concentrates. [5] Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

No. 1246. Selected Mineral and Metal Products—Quantity and Value of Imports and Exports: 1975 to 1983

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

Product	Quantity						Value (mil. dol.)				
	Unit	1975	1980	1981	1982	1983	1975	1980	1981	1982	1983
Imports											
Petroleum (crude) [1]	Mil. bbl	1,581	1,975	1,751	1,417	1,283	18,290	61,899	61,458	45,724	36,492
Gem stones: Diamonds	Mil. carat	4.6	4.2	4.4	4.6	6.3	722	2,251	2,201	1,918	2,275
Ores and concentrates:											
Chromium (Cr_2O_3 content)	1,000 sh. ton	559	410	368	209	86	61	57	50	30	10
Copper	1,000 sh. ton	29	58	43	130	100	36	73	57	141	82
Iron	Mil. lg. ton	46.7	25.1	28.3	14.5	13.2	860	773	948	471	446
Tungsten	Mil. lb	6.6	11.4	11.8	7.8	6.3	32	87	91	47	26
Metals:											
Aluminum	1,000 sh. ton	434	581	711	679	819	317	778	991	858	1,021
Cobalt	Mil. lb	6.1	15.0	13.9	11.6	15.9	26	359	239	138	110
Copper refined ingots, etc	1,000 sh. ton	143	471	364	285	507	166	935	582	395	701
Gold (bullion)	Mil. troy oz	2.3	4.1	4.2	4.2	3.6	407	2,507	1,943	1,651	1,576
Iron and steel products (maj.)	Mil. sh. ton	12.4	16.2	20.7	17.3	17.8	4,507	7,713	11,202	10,290	7,129
Platinum group [2]	Mil. troy oz	1.8	3.5	2.8	2.5	3.2	273	1,177	800	554	753
Silver (bullion)	Mil. troy oz	61.6	64.9	75.9	96.9	161.2	274	1,332	837	786	1,926
Zinc: Blocks, pigs, slabs	*1,000 sh. ton*	*375*	*452*	*675*	*503*	*681*	*274*	*319*	*549*	*371*	*504*
Exports											
Fuels: [1]											
Bituminous coal	Mil. sh. ton	65.8	89.9	110.2	105.2	76.9	3,242	4,523	5,809	5,938	4,008
Petroleum (crude)	Mil. bbl	(z)	30.6	16.4	13.1	6.8	(z)	751	577	469	224
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat	.3	1.3	3.2	2.7	2.5	237	1,041	854	639	622
Nitrogen compounds (maj.)	Mil. sh. ton	4.7	11.1	8.4	7.8	7.5	860	1,842	1,398	1,179	1,050
Phosphatic fertilizers [3]	Mil. sh. ton	3.6	7.2	6.0	5.4	6.6	725	1,383	1,035	837	895
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	186	715	344	401	398	134	1,107	527	476	534
Plates, sheets, bars, etc	1,000 sh. ton	171	306	264	194	179	229	716	625	440	389
Gold (refined bullion)	Mil. troy oz	3.1	4.7	5.2	1.6	1.9	429	2,787	2,501	591	825
Iron and steel prods. (maj.)	Mil. sh. ton	3.9	4.5	3.3	2.2	1.4	2,970	3,504	3,414	2,515	1,609
Magnesium [4]	1,000 sh. ton	32.6	56.8	34.9	39.6	46.7	48	128	91	105	125
Molybdenum [5]	1,000 lb	317	614	2,641	697	577	.9	5	10	2	2
Silver (refined bullion)	Mil. troy oz	22.6	57.2	15.1	12.9	13.7	104	1,327	181	106	169
Scrap exports:											
Aluminum	1,000 sh. ton	67	445	241	214	262	29	483	236	158	249
Iron and steel	Mil. sh. ton	9.6	11.4	6.5	6.9	7.8	781	1,257	653	623	651

Z Less than 50,000 bbl. or $500,000. [1] Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country,* FT 246, annual; and *U.S. Exports, Schedule B Commodity and Country,* FT 446, monthly. [2] Unwrought and semimanufactured. [3] Superphosphates and ammonium phosphates. [4] Metal and alloys, scrap, semimanufactured forms. [5] Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1247. Mineral Industries—Lost Workday Injuries and Fatalities: 1975 to 1982

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. See also *Historical Statistics, Colonial Times to 1970,* series M 271–286]

Item	1975	1980	1981	1982
Coal mining:				
Injuries, total	11,262	18,822	15,638	14,337
Fatal	155	133	153	122
Percent of total	1.4	.7	1.0	.9
Rate per million work-hours:				
Fatal	.4	.3	.4	.3
Nonfatal	30	43	38	36
Fatalities per 1,000 employed [1]	.71	.55	.64	.53
Quarrying and related industries: [2]				
Injuries, total	2,562	3,551	2,527	925
Fatal	36	42	19	10
Percent of total	1.4	1.2	.8	1.1
Quarrying and related industries—Con.				
Rate per million work-hours:				
Fatal	.3	.3	.1	.1
Nonfatal	19	21	17	14
Fatalities per 1,000 employed [1]	.5	.5	.2	.1
Metal and nonmetal mining: [3]				
Injuries, total	5,158	6,923	6,376	3,184
Fatal	66	46	56	35
Percent of total	1.3	.7	.9	1.1
Rate per million work-hours:				
Fatal	.3	.2	.2	.2
Nonfatal	22	28	24	19
Fatalities per 1,000 employed [1]	.5	.3	.4	.4

[1] Average number of persons at work each day mines were active. [2] Includes manufacture of cement, except for 1975. [3] Nonmetal mines exclude extraction of Frasch process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

No. 1248. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1970 to 1983, and by Major Foreign Sources, 1979–1982

[**In percent.** Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

MINERAL	1970	1978	1979	1980	1981	1982	1983	Rank of major foreign sources, 1979–1982
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	100	100	100	100	100	100	100	India, Brazil, Belgium.
Strontium	100	100	100	100	100	100	100	Mexico.
Manganese	95	97	98	98	98	99	99	**Ore:** So. Africa, Gabon, Australia, Brazil.
Bauxite [1]	88	93	93	94	94	96	96	**Bauxite:** Jamaica, Guinea, Suriname; **Alumina:** Australia, Jamaica, Suriname.
Cobalt	98	95	94	93	92	92	96	Zaire, Zambia, Belgium-Luxembourg, Canada.
Tantalum	96	97	96	90	92	92	91	Thailand, Canada, Malaysia, Brazil.
Platinum group	78	90	89	88	84	80	84	Rep. of So. Africa, Soviet Union, United Kingdom.
Chromium	89	91	90	91	90	85	77	**Chromite:** So. Africa, U.S.S.R., Philippines; **Ferrochrome:** So. Africa, Yugoslavia, Zimbabwe.
Nickel	71	80	69	71	75	76	77	Canada, Australia, Norway, Botswana.
Potassium	42	64	66	65	65	65	75	Canada, Israel.
Titanium [2]	24	41	39	32	52	75	(D)	Australia, Canada, Rep. of So. Africa.
Tin	81	79	80	79	77	68	72	Malaysia, Thailand, Bolivia, Indonesia.
Cadnium	7	63	64	55	63	73	69	Canada, Australia, Mexico, Rep. of Korea.
Zinc	54	66	63	60	64	58	66	**Ore:** Canada, Peru, Mexico; **Metal:** Canada, Spain, Australia, Peru.
Asbestos	83	85	83	78	78	74	65	Canada, Rep. of So. Africa.
Barium	45	27	37	44	40	55	64	China, Peru, Chile, Morocco.
Silver	26	43	42	7	53	55	61	Canada, Mexico, Peru, United Kingdom.
Antimony	40	43	53	46	48	51	52	**Metal:** Bolivia, China, Belgium-Luxembourg, Mexico. **Ore:** Bolivia, Mexico, Canada, So. Africa.
Vanadium	21	36	28	35	34	24	52	Rep. of So. Africa, Canada, Finland.
Gypsum	39	32	35	35	37	36	39	Canada, Mexico, Spain.
Tungsten	50	56	58	53	50	46	39	Canada, Bolivia, China.
Iron ore	30	29	25	25	22	34	37	Canada, Venezuela, Brazil, Liberia.
Selenium	11	43	28	59	45	55	37	Canada, Japan, United Kingdom, Belgium-Luxembourg.
Petroleum [3] [4]	22	42	43	37	34	28	28	Mexico, Canada, Venezuela, United Kingdom, Saudi Arabia.
Mercury	41	64	59	26	44	31	25	Japan, Spain, Canada, Italy.
Gold	59	53	50	18	15	32	21	Canada, Switzerland, U.S.S.R.
Aluminum	(5)	11	4	(5)	(5)	7	18	Canada, Ghana, Venezuela, Japan.
Copper	(5)	20	12	14	6	1	17	Chile, Canada, Peru, Zambia.
Sulfur	(5)	12	11	14	5	4	16	Canada, Mexico.
Iron and steel	4	12	12	15	13	24	13	Europe, Japan, Canada.
Natural gas [4]	4	5	6	5	4	5	5	Canada, Algeria, Mexico.

D Withheld to avoid disclosure. [1] Includes alumina. [2] Limenite. [3] Includes crude and products. [4] Source: Beginning 1978, Energy Information Administration: *Annual Energy Review.* [5] Net exports.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries;* import and export data from U.S. Bureau of the Census.

No. 1249. Petroleum Industry—Summary: 1950 to 1983

YEAR	CRUDE OIL PRODUCING WELLS		COMPLETED WELLS DRILLED (1,000)				CRUDE OIL PRODUCTION			Imports, crude oil (mil. bbl.)	Imports, refined petroleum products (mil. bbl.)	Operable refinery capacity (Jan. 1) (mil. bbl.)	Output (mil. bbl.)
	Total (Dec. 31) (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)				
1950	466	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271	2,197
1955	524	13.2	55	30	4	20	2,484	6.9	2.77	285	170	2,945	2,880
1960	591	12.0	46	22	5	18	2,575	7.4	2.88	372	293	3,602	3,195
1965	589	13.3	39	18	4	16	2,849	8.1	2.86	452	449	3,803	3,769
1970	531	18.0	28	13	4	11	3,517	11.2	3.18	483	765	4,386	4,421
1971	517	18.1	26	12	4	10	3,454	11.7	3.39	613	819	4,694	4,379
1972	508	18.4	27	11	5	11	3,455	11.7	3.39	811	924	4,865	4,593
1973	497	18.3	27	10	6	10	3,361	13.1	3.89	1,164	1,099	4,979	5,057
1974	498	17.6	32	13	7	12	3,203	22.0	6.87	1,269	962	5,242	4,927
1975	500	16.8	37	16	8	13	3,057	23.4	7.67	1,498	712	5,461	4,995
1976	499	16.3	40	17	9	14	2,976	24.4	8.19	1,935	741	5,577	5,372
1977	507	16.4	45	19	11	15	3,010	25.8	8.57	2,414	800	5,985	5,794
1978	517	17.0	47	18	13	16	3,178	28.6	9.00	2,320	733	6,222	5,828
1979	531	16.3	50	19	15	16	3,121	39.5	12.64	2,380	707	6,366	5,753
1980	548	15.9	61	27	16	18	3,146	67.9	21.59	1,926	603	6,584	5,352
1981	557	15.4	79	38	18	23	3,129	99.4	31.77	1,605	584	6,589	5,106
1982	580	14.9	86	40	19	27	3,157	90.0	28.52	1,273	593	6,530	4,888
1983, prel	597	14.5	76	37	16	23	3,171	82.4	26.07	1,215	629	6,154	4,795

Source: U.S. Energy Information Administration, *Annual Energy Review* and *Petroleum Supply Annual.*

No. 1250. Crude Oil, Natural Gas, and Coal—World Production, by Region: 1970 to 1982

Fuel and region	Production										Percent distribution		
	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982, prel.	1970	1980	1982, prel.
Crude oil (mil. bbl.)													
World	**16,711**	**20,321**	**19,301**	**20,976**	**21,785**	**21,921**	**22,825**	**21,791**	**20,404**	**19,404**	**100.0**	**100.0**	**100.0**
United States	3,517	3,361	3,057	2,976	3,009	3,178	3,121	3,147	3,129	3,157	21.0	14.4	16.3
Other W. Hemisphere	2,377	2,531	2,090	2,082	2,135	2,217	2,468	2,567	2,646	2,709	14.2	11.8	14.0
Western Europe	116	164	218	335	518	663	860	926	987	1,118	.7	4.2	5.8
Africa	*2,207*	*2,149*	*1,812*	*2,126*	*2,273*	*2,178*	*2,381*	*2,207*	*1,670*	*1,621*	*13.2*	*10.1*	*8.4*
Middle East	5,096	7,689	7,126	8,072	8,123	7,702	7,869	6,737	5,742	4,581	30.5	30.9	23.6
Far East and Oceania	3,393	1,196	1,340	1,525	1,682	1,760	1,816	1,774	1,760	1,702	20.3	8.1	8.8
Eastern Europe and U.S.S.R.		3,232	3,659	3,858	4,045	4,223	4,311	4,432	4,471	4,515		20.3	23.3
Natural gas (dry) [2] (tril. cu. ft.)													
World	**36.75**	**43.18**	**44.12**	**46.12**	**47.31**	**48.73**	**51.87**	**53.78**	**54.53**	**53.60**	**100.0**	**100.0**	**100.0**
United States	21.01	21.73	19.24	19.10	19.16	19.12	19.66	19.60	19.40	17.75	58.2	36.4	33.1
Other W. Hemisphere	3.55	4.10	4.03	4.07	4.32	4.60	4.98	5.04	4.81	4.97	9.4	9.4	9.3
Western Europe	2.75	5.15	6.07	6.46	6.01	5.79	6.44	7.07	6.92	6.39	7.3	13.1	11.9
Africa	.12	.32	.37	.47	.42	.90	.83	.87	.89	.90	.3	1.6	1.7
Middle East	.46	.98	1.19	1.26	1.41	1.38	1.58	1.41	1.36	1.34	1.2	2.6	2.5
Far East and Oceania	8.86	.92	1.27	1.48	1.73	1.84	2.06	2.48	2.66	2.66	23.5	4.6	5.0
Eastern Europe and U.S.S.R.		9.96	11.95	13.27	14.26	15.11	16.32	17.32	18.49	19.59		32.2	36.5
Coal (mil. sh. ton)													
World	**3,317**	**3,447**	**3,673**	**3,772**	**3,840**	**3,921**	**4,121**	**4,197**	**4,228**	**4,382**	**100.0**	**100.0**	**100.0**
United States	613	599	655	685	697	670	781	830	824	838	18.5	19.8	19.1
Other W. Hemisphere	28	36	43	44	49	51	57	64	66	69	.8	1.5	1.6
Western Europe	500	508	509	518	506	509	529	543	562	574	15.1	12.9	13.1
Africa	66	75	82	91	100	105	120	133	149	161	2.0	3.2	3.7
Middle East, Far East and Oceania	2,111	800	890	921	942	1,026	1,063	1,061	1,096	1,159	63.6	25.3	26.4
Eastern Europe and U.S.S.R.		1,431	1,494	1,513	1,546	1,560	1,571	1,566	1,529	1,581		37.3	36.1

[1] 1970, includes Cuba. [2] Marketed production, wet, for 1970; thereafter dry.

Source: 1970, U.S. Dept. of Interior, *Energy Perspectives 2*, June 1976, and unpublished data; thereafter, U.S. Energy Information Administration, *International Energy Annual*, September 1983.

No. 1251. Fuel Consumption, by Type of Use: 1965 to 1983

Fuel and use	Consumption									Percent			
	Unit	1965	1970	1975	1979	1980	1981	1982	1983 [1]	1965	1970	1980	1983 [1]
Petroleum [2]	**Mil. bbl**	**4,202**	**5,364**	**5,958**	**6,757**	**6,242**	**5,861**	**5,583**	**5,542**	**100**	**100**	**100**	**100**
Fuel use [3]	Mil. bbl	3,802	4,787	5,299	5,918	5,455	5,109	4,889	4,842	90	89	87	87
Nonfuel use [3]	Mil. bbl	400	578	659	839	788	752	694	700	10	11	13	13
Residential [4]	Mil. bbl	699	797	710	630	555	487	454	434	17	15	9	8
Industrial	Mil. bbl	1,187	1,394	1,475	1,952	1,772	1,563	1,482	1,465	28	26	28	26
Transportation	Mil. bbl	2,201	2,835	3,266	3,650	3,494	3,460	3,396	3,397	52	53	56	61
Electrical generation	Mil. bbl	115	339	506	525	421	352	251	247	3	6	7	4
Natural gas (dry)	**Bil. cu. ft**	**15,280**	**21,139**	**19,538**	**20,241**	**19,877**	**19,404**	**18,001**	**16,955**	**100**	**100**	**100**	**100**
Fuel use [3]	Bil. cu. ft	(NA)	(NA)	19,008	19,646	19,288	18,858	17,510	16,473	(NA)	(NA)	97	97
Nonfuel use [3]	Bil. cu. ft	(NA)	(NA)	530	595	589	546	491	482	(NA)	(NA)	3	3
Residential [4]	Bil. cu. ft	5,346	7,236	7,432	7,751	7,363	7,066	7,239	6,908	35	34	37	41
Industrial [5]	Bil. cu. ft	5,955	7,851	6,968	6,899	7,172	7,128	5,831	5,582	39	37	36	33
Pipeline fuel	Bil. cu. ft	501	722	583	601	635	642	596	560	3	3	3	3
Electrical generation	Bil. cu. ft	2,321	3,932	3,158	3,491	3,682	3,640	3,226	2,912	15	19	19	17
Lease and plant fuel	*Bil. cu. ft*	*1,156*	*1,399*	*1,396*	*1,499*	*1,026*	*928*	*1,109*	*993*	*8*	*7*	*5*	*6*
Coal [6]	**Mil. sh. ton**	**472**	**523**	**563**	**681**	**703**	**733**	**707**	**735**	**100**	**100**	**100**	**100**
Fuel use [3]	Mil. sh. ton	467	518	563	677	700	730	705	734	99	99	100	100
Nonfuel use [3]	Mil. sh. ton	5	6	5	3	3	3	2	2	1	1	(Z)	(Z)
Residential [4]	Mil. sh. ton	26	16	9	8	6	7	8	8	6	3	1	1
Industrial	Mil. sh. ton	201	187	147	145	127	128	105	101	43	36	18	14
Electrical generation	Mil. sh. ton	245	320	406	527	569	597	594	626	52	61	81	85

NA Not available. Z Less than .5 percent. [1] Preliminary. [2] Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids. [3] Source, 1965 to 1979, U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook*. [4] Includes commercial. [5] Excludes lease and plant fuel. [6] Includes anthracite, bituminous, and lignite coals.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1252. Crude Petroleum and Refined Products: 1970 to 1983

[**Barrels of 42 gallons.** See tables 966, 967 and 1048 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138–142, M 178, and M 181]

ITEM	Unit	1970	1973	1975	1978	1979	1980	1981	1982	1983
Crude petroleum:										
Domestic production	Mil. bbl	3,517	3,361	3,057	3,178	3,121	3,138	3,129	3,157	3,171
Value at wells	Bil. dol	11.2	13.1	23.4	28.6	39.5	66.9	99.4	90.0	83.0
Average price per barrel at wells	Dol	3.18	3.89	7.67	9.00	12.64	21.59	31.77	28.52	26.19
World production	Mil. bbl	16,719	20,561	19,301	21,921	22,825	21,731	20,404	19,404	19,292
U.S. proportion of world total	Percent	21	17	16	14	14	14	15	16	16
Imports	Mil. bbl	483	1,184	1,498	2,320	2,360	1,926	1,605	1,263	1,215
Value [1]	Mil. dol	1,052	4,231	18,374	32,140	46,100	62,014	61,940	45,862	36,809
Exports	Mil. bbl	5	1	2	58	86	105	83	66	60
Value [1]	Mil. dol	4,991	2,621	178	389	394	751	577	469	224
Stocks, Dec. 31	Mil. bbl	276	242	271	376	430	466	594	642	723
Proved reserves, Dec. 31 [2]	Mil. bbl	39,001	35,300	32,682	31,355	29,810	29,805	29,426	27,858	(NA)
Refinery:										
Total capacity (Dec. 31) [3]	Mil. bbl	4,694	5,242	5,577	6,366	6,584	6,589	6,530	6,154	5,890
Crude oil receipts at refineries	Mil. bbl	3,973	4,546	4,546	5,373	5,346	4,934	4,563	4,331	4,283
By pipeline: Domestic	Mil. bbl	2,840	2,905	2,662	2,418	2,329	2,275	2,343	2,401	2,419
Foreign	Mil. bbl	237	409	398	594	612	503	346	406	421
By water: Domestic	Mil. bbl	610	399	305	584	592	642	587	619	611
Foreign	Mil. bbl	244	775	1,101	1,683	1,722	1,406	1,184	817	735
By tank cars and trucks	Mil. bbl	43	58	80	94	108	121	103	89	96
Utilization rate [3] [4]	Percent	88.6	89.8	84.2	86.9	87.6	81.0	77.4	69.8	72.4
Refined products:										
Operating refineries, Dec. 31	Number	279	284	287	311	319	315	254	233	247
Daily crude oil capacity [5]	Mil. bbl	12.7	14.2	14.9	17.1	18.0	18.1	16.1	15.0	14.8
Retail prices for leaded regular motor gasoline (U.S. city average)	Cents	[6] 35.7	[6] 38.8	56.7	62.6	85.7	119.1	131.1	122.2	115.7
Yield of gasoline	Percent	45.3	45.6	46.5	44.1	43.0	44.5	44.5	46.2	47.4
Imports	Mil. bbl	765	1,099	712	733	707	603	584	593	629
Value [1]	Mil. dol	1,413	3,318	6,751	6,844	9,752	11,502	13,326	13,200	15,166
Exports	Mil. bbl	89	84	74	74	86	94	134	211	210
Value [1]	Mil. dol	424	391	325	685	858	1,242	2,088	4,589	3,554
Stocks, Dec. 31	Mil. bbl	741	766	862	901	911	926	890	786	731

NA Not available. [1] Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E Commodity by Country*, FT 135, monthly, and *U.S. General Imports and Imports for Consumption, Schedule A Commodity by Country*, FT 410, monthly. [2] Source: 1970–1975 American Petroleum Institute, Washington, DC, thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [3] Source: 1970–1980, U.S. Energy Information Administration, *Petroleum Refineries in the United States* and *U.S. Territories*, annual. [4] Crude runs as percent of total capacity. [5] Operating capacity. [6] Average dealer's net price per gallon (incl. tax) of regular grade full service gasoline. Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, *Annual Energy Review*, and *Petroleum Supply Annual*.

No. 1253. Petroleum—Runs to Stills and Refinery Products, by Product: 1970 to 1983

[**In millions of barrels, except percent.** Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162–177]

PRODUCT	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	PERCENT 1970	PERCENT 1980	PERCENT 1983
Input	**4,290**	**4,890**	**4,827**	**5,197**	**5,602**	**5,646**	**5,561**	**5,133**	**4,921**	**4,694**	**4,617**	**100.0**	**100.0**	**100.0**
Crude petroleum	3,968	4,537	4,541	4,910	5,330	5,379	5,346	4,934	4,552	4,297	4,265	92.5	96.1	92.4
Natural gas liquids	278	297	259	265	245	233	186	169	191	188	168	6.5	3.3	3.6
Other [1]	44	56	27	22	27	34	29	30	178	209	184	1.0	.6	4.0
Output	**4,421**	**5,057**	**4,995**	**5,372**	**5,794**	**5,828**	**5,753**	**5,352**	**5,106**	**4,888**	**4,795**	**100.0**	**100.0**	**100.0**
Gasoline (motor)	2,100	2,399	2,393	2,503	2,566	2,630	2,508	2,388	2,336	2,313	2,313	47.5	44.6	48.2
Distillate fuel oil	896	1,029	968	1,070	1,196	1,156	1,151	974	954	951	897	20.3	18.2	18.7
Residual fuel oil	258	354	451	504	640	609	616	578	482	390	311	5.8	10.8	6.5
Jet fuel	302	314	318	336	355	354	369	366	353	357	373	6.8	6.8	7.8
Petrochemical feedstocks	100	133	122	164	193	223	252	254	220	160	153	2.3	4.7	3.2
Still gas for fuel [2]	164	177	175	181	191	200	205	197	199	195	192	3.7	3.7	4.0
Asphalt [3]	147	168	144	140	154	173	169	141	123	119	136	3.3	2.6	2.8
Coke (5 bbl.=1 sh. ton)	108	132	129	130	135	135	137	135	142	150	153	2.4	2.5	3.2
Liquefied refinery gases	117	128	109	119	122	125	121	119	115	99	120	2.6	2.2	2.5
Kerosene	95	79	55	56	62	56	67	50	44	42	40	2.1	.9	.8
Other finished products	134	144	131	169	180	167	158	148	138	112	107	3.0	2.8	2.2
Processing gains	−131	−165	−168	−175	−191	−181	−192	−219	−185	−194	−176	(x)	(x)	(x)

NA Not available. X Not applicable. [1] Includes unfinished oil rerun net, blending components, other hydocarbons and alcohol. [2] 1 barrel=3,600 cu. ft. [3] 5.5 barrels=1 sh. ton.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1254. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, by Type of Well: 1960 to 1982

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

Year	Wells drilled		Footage drilled (mil. ft.)	Drilling cost (mil. dol.)		Average depth per well (ft.)	Average cost per well ($1,000)		Average cost per ft. (dol.)
	Total	Offshore		Total	Offshore		Total	Offshore	
	WELLS, TOTAL								
1960	44,133	538	186.4	2,424	208	4,223	55	386	13.01
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1973	26,244	888	136.7	3,075	578	5,207	117	651	22.50
1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
1980	62,011	1,272	296.0	22,800	3,846	4,773	368	3,024	77.02
1981	80,816	1,476	388.8	36,665	5,551	4,811	454	3,761	94.30
1982	76,652	1,464	362.6	39,428	6,154	4,731	514	4,203	108.73
	OIL WELLS								
1960	21,294	301	84.0	1,111	98	3,946	52	326	13.22
1970	12,547	533	56.4	1,088	282	4,496	87	528	19.29
1973	9,705	296	44.7	1,007	182	4,602	104	615	22.54
1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
1980	28,553	317	117.1	7,768	844	4,099	272	2,663	66.36
1981	38,725	415	162.0	13,023	1,074	4,183	336	2,589	80.40
1982	35,865	486	144.3	12,459	1,563	4,024	347	3,217	86.34
	GAS WELLS								
1960	5,262	87	29.1	540	53	5,526	103	606	18.58
1970	3,844	193	23.1	618	139	6,007	161	720	26.75
1973	6,427	193	36.3	998	154	5,654	155	798	27.46
1975	7,654	271	43.4	2,005	338	5,667	262	1,247	46.23
1980	15,225	444	85.8	8,167	1,446	5,636	536	3,256	95.16
1981	17,533	515	100.3	12,248	2,122	5,718	699	4,121	122.17
1982	17,052	442	100.8	14,738	2,165	5,912	864	4,898	146.20
	DRY HOLES								
1960	17,577	150	73.3	774	57	4,168	44	377	10.56
1970	10,786	332	57.4	873	178	5,320	81	536	15.21
1973	10,112	399	55.7	1,070	242	5,504	106	608	19.22
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1980	18,233	511	93.1	6,865	1,556	5,108	377	3,046	73.70
1981	24,558	546	126.6	11,395	2,354	5,154	464	4,312	90.03
1982	23,735	536	117.5	12,232	2,425	4,951	515	4,525	104.09

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs*, annual.

No. 1255. Petroleum Inventories at the Beginning of Peak Seasons: 1973 to 1983

Fuel	Unit	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Petroleum, total (Sept. 30)	Mil. bbls	1,016	1,114	1,147	1,192	1,304	1,263	1,309	1,447	1,476	1,414	1,485
	Days' supply [1]	60.3	68.3	72.7	71.4	73.4	69.9	74.5	89.8	95.0	94.9	96.9
Motor gasoline (Mar. 31)	Mil. bbls	207.7	220.3	248.7	239.1	262.2	259.6	240.1	282.8	232.4	198.1	182.7
	Days' supply [1]	32.7	36.6	40.0	36.3	38.8	37.4	33.8	43.9	36.6	31.9	29.0
Distillate fuel oil (Sept. 30)	Mil. bbls	190.2	208.3	220.8	232.3	252.8	220.7	220.4	232.4	207.3	161.2	154.0
	Days' supply [1]	75.6	89.3	102.8	98.1	96.1	82.9	83.0	100.1	85.5	71.4	63.0
Residual fuel oil (Sept. 30)	Mil. bbls	55.1	60.3	76.9	76.4	87.5	81.3	87.8	87.9	80.2	61.8	49.7
	Days' supply [1]	21.1	24.2	34.4	29.6	29.9	29.0	34.6	38.0	42.2	40.7	36.8

[1] Days' supply is derived by dividing inventories by previous three month average daily consumption (products supplied).
Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1256. Oil and Gas Leases and Production on the Outer Continental Shelf, by Region: 1980 to 1982

[**Barrels of 42 gallons.** For years ending **Sept. 30.** Covers leases made in ocean waters belonging to the U.S. and subject to its jurisdiction and control under provisions of the Outer Continental Shelf Lands Act. See also table 536]

Region	Leases			Acres (1,000)			Oil production (mil. bbl.)			Gas production (bil. cu. ft.)		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total	**2,175**	**2,492**	**2,672**	**10,347**	**11,870**	**12,801**	**284.5**	**283.9**	(NA)	**4,707**	**4,879**	(NA)
Alaska	113	128	129	572	678	687	-	-	(NA)	-	-	(NA)
Atlantic [1]	232	273	247	1,321	1,554	1,407	-	-	(NA)	-	-	(NA)
Gulf Coast [2]	1,688	1,941	2,112	7,693	8,843	9,741	274.3	269.9	(NA)	4,704	4,874	(NA)
Pacific [3]	142	150	184	761	795	967	10.2	14.0	(NA)	3	6	(NA)

- Represents zero. NA Not available. [1] Offshore. [2] Alabama, Florida, Louisiana, and Texas. [3] California.
Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 1257. Crude Petroleum and Natural Gas—Sales Volume, Lease Revenues, Drilling Expenditures, and Employment: 1975 to 1982

[Figures on a gross operator basis, under which individual companies responsible for management and operation of oil and gas field leases reported on all properties operated for their own account and account of others. Lease revenues represent revenues generated from sales of either crude petroleum or natural gas, comparable to sales volume reported and including production payment, royalty, and nonoperating working interest shares]

Item and year	All companies, total [1]	Companies ranked by lease revenues: Top 8	Next 8	Next 16	Top 50	Top 100	Percent of total: Top 8	Top 16	Top 32
Sales volume of—									
Crude petroleum (mil. bbl.):[2] 1975	3,086	1,654	553	282	2,626	2,753	54	72	81
1976	2,905	1,482	588	270	2,436	2,585	51	71	80
1977	2,996	1,498	602	308	2,531	2,679	50	70	80
1978	3,109	1,475	712	314	2,625	2,746	47	70	80
1979	3,047	1,488	634	279	2,501	2,631	49	70	79
1980	3,136	1,604	579	324	2,606	2,732	51	70	80
1981	3,092	1,534	550	330	2,519	2,660	50	67	78
1982	3,048	1,508	520	298	2,438	2,585	49	66	76
Natural gas (bil. cu. ft.): 1975	20,455	8,898	3,864	2,391	16,207	17,661	44	62	74
1976	19,902	8,727	3,515	2,598	15,906	17,273	44	62	75
1977	19,195	8,377	3,111	2,573	15,381	16,784	44	60	73
1978	19,170	8,144	2,874	2,746	15,207	16,673	42	57	72
1979	20,005	7,361	3,031	3,753	15,665	17,135	37	52	71
1980	20,063	6,554	3,983	2,855	15,125	16,939	33	53	67
1981	20,252	6,232	3,915	3,272	15,056	16,881	31	50	66
1982	18,622	5,072	3,870	3,015	13,399	15,030	27	48	64
Lease revenues for—									
Crude petroleum (mil. dol.):[2] 1975	22,852	11,961	3,948	1,915	18,900	19,978	52	70	78
1976	22,936	11,537	4,279	2,004	18,673	19,951	50	69	78
1977	24,834	11,967	4,412	2,732	20,203	21,576	48	66	77
1978	27,003	12,609	5,370	2,968	22,081	23,314	47	67	78
1979	36,921	16,769	7,326	3,426	28,828	30,604	45	65	75
1980	63,435	29,630	11,958	6,675	50,407	53,440	47	66	76
1981	96,115	45,842	18,463	10,647	78,352	83,207	48	67	78
1982	84,968	39,858	15,823	8,469	67,585	71,944	47	65	75
Natural gas (mil. dol.): 1975	8,929	3,859	1,618	1,048	7,018	7,755	43	61	73
1976	12,099	4,813	1,989	1,558	9,251	10,168	40	56	69
1977	16,241	6,662	2,397	2,341	12,723	14,036	41	56	70
1978	19,126	7,441	2,683	2,945	14,575	16,415	39	53	68
1979	24,984	8,335	3,594	4,733	18,742	20,963	33	48	67
1980	33,296	10,445	6,237	5,102	24,794	27,928	31	50	65
1981	44,622	12,541	7,909	7,713	32,070	36,809	28	46	63
1982	48,173	11,219	9,537	8,126	33,156	38,157	23	46	60
Drilling expenditures (mil. dol.):[3] 1975	6,507	1,866	815	838	3,932	4,719	29	41	54
1976	8,071	2,706	958	1,036	5,475	6,184	34	45	58
1977	10,109	3,081	1,234	1,204	6,355	7,405	30	43	55
1978	12,904	3,944	1,732	1,590	8,290	9,723	31	44	56
1979	19,052	4,201	2,757	2,473	10,397	12,097	22	37	50
1980	26,017	6,726	3,537	2,386	14,498	17,824	26	39	49
1981	40,887	9,493	5,114	4,105	21,318	26,864	23	36	46
1982	40,206	9,266	4,388	5,614	21,977	26,990	23	34	48
Employment (1,000): 1975	137	40	18	15	79	88	29	42	53
1976	136	43	18	15	81	90	31	44	55
1977	133	42	17	15	81	91	32	44	56
1978	144	46	19	15	86	100	32	45	56
1979	167	45	22	18	91	103	27	40	50
1980	179	49	27	16	102	115	27	42	51
1981	215	56	29	19	117	133	26	40	48
1982	227	62	32	23	128	144	27	41	52

[1] Beginning 1979, includes data from a supplemental sample not available for earlier years.
[2] Includes condensate. [3] Represents expenditures incurred during the year for drilling and equipping wells.
Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-13K-1, *Annual Survey of Oil and Gas*.

No. 1258. Liquefied Petroleum Gases—Summary: 1980 to 1983

[In millions of 42-gallon barrels. Includes ethane]

Item	1980	1981	1982	1983	Item	1980	1981	1982	1983
Production	561	573	558	599	**Consumption**	538	535	547	551
At natural gas plants	441	459	459	480	Ethane	124	129	115	122
At refineries	121	115	99	120	Propane	276	282	291	274
Imports	79	89	82	69	Butane (incl. isobutane)	66	50	37	46
Refinery input	85	105	110	92	Butane-propane mixtures	12	11	3	6
Exports	9	15	24	27	Ethane-propane mixtures	57	64	101	103
					Stocks, Dec. 31	116	135	94	101

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1259. Ownership and Operation of U.S Crude Oil and Natural Gas Reserves and Production by Operator-Size Groups: 1977 to 1980

[**In percent.** The survey frame was comprised of operators only; firms and persons who were owners only, and who did not operate any properties, were not included. Approximately 90 percent of the total estimated crude oil reserves were reported on an ownership basis]

Operator groups, by size of reserves	Crude oil reserves				Natural gas reserves			
	Ownership basis		Operated basis		Ownership basis		Operated basis	
	Reserves	Production	Reserves	Production	Reserves	Production	Reserves	Production
8 Largest: 1977	56.6	40.8	59.4	41.5	44.3	41.5	46.0	42.5
1978	57.1	46.1	60.8	47.7	42.9	37.9	44.3	39.1
1979	57.4	46.6	60.2	49.6	42.1	35.1	43.7	36.7
1980	55.6	48.3	60.1	50.8	41.0	34.1	43.0	34.7
20 Largest: 1977	80.0	67.8	82.7	71.3	67.3	63.4	68.9	64.6
1978	79.9	70.8	83.8	74.5	64.8	62.9	67.0	64.8
1979	79.3	72.0	83.2	76.0	64.0	59.9	66.1	63.3
1980	77.5	72.7	82.8	75.7	62.3	57.3	65.3	60.4
50 Largest: 1977	85.2	75.7	89.1	80.9	79.3	75.0	83.6	78.6
1978	85.2	78.1	90.0	83.1	77.2	74.2	82.2	78.5
1979	84.4	78.1	89.0	83.8	75.9	71.1	81.0	77.3
1980	82.5	79.1	88.3	82.7	75.0	72.5	80.5	76.0
100 Largest: 1977	87.6	79.2	91.5	85.3	84.5	81.3	89.6	86.6
1978	87.4	81.0	92.2	87.1	82.4	80.4	88.5	85.4
1979	86.2	80.6	91.2	87.0	81.5	77.5	87.7	84.7
1980	84.3	81.6	90.5	86.0	80.3	78.6	87.2	83.5

Source: U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves,* annual.

No. 1260. U.S. Direct Investment and Income Abroad in Petroleum—Value, by Region and Country: 1970 to 1983

[**In millions of dollars.** Minus sign (–) indicates loss. See also *Historical Statistics, Colonial Times to 1970,* series U 41–46]

Region and country	Direct investment position (at yearend)						Income					
	1970	1975	1980	1981	1982	1983 [1]	1970	1975	1980	1981	1982	1983 [1]
All areas	**19,754**	**25,972**	**47,591**	**53,244**	**56,642**	**59,785**	**2,456**	**4,795**	**13,181**	**13,330**	**10,059**	**9,172**
Developed countries	11,205	20,129	34,621	37,535	37,077	38,879	(D)	1,642	8,632	7,142	4,821	5,484
Canada	4,337	6,220	10,800	10,677	10,354	10,874	309	852	1,986	995	1,076	1,337
Europe	5,481	11,165	20,101	22,681	22,526	23,640	(D)	523	5,879	5,350	3,228	3,577
Japan	525	1,313	1,570	1,737	1,708	2,011	34	45	178	330	271	442
Australia, New Zealand, and South Africa	863	1,430	2,149	2,440	2,489	2,354	57	223	589	467	248	128
Developing countries	6,644	2,519	(D)	12,341	15,929	16,572	1,567	3,071	4,138	5,461	4,558	2,963
Latin America	2,703	3,324	4,380	4,831	6,606	6,839	357	427	961	1,081	975	623
Other Africa	1,750	1,336	2,247	2,666	3,528	3,501	416	419	1,298	922	822	707
Middle East [2]	1,265	–4,888	(D)	707	726	943	690	1,441	–338	1,019	504	–36
Other Asia and Pacific	926	2,746	2,777	4,138	5,068	5,289	103	782	2,277	2,438	2,257	1,670
International	1,905	3,323	(D)	3,368	3,636	4,334	(D)	82	412	727	679	725

D Withheld to avoid disclosure of individual company data. [1] Preliminary. [2] Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Syria, Oman, United Arab Emirates, and Yemen. Data for 1970 and 1975 are based on the 1966 benchmark survey; data for 1980–1983, are based on the 1977 benchmark survey. See *Survey of Current Business,* August 1982.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August 1984, and supplement titled *Revised Data Series on U.S. Direct Investment Abroad, 1966–78.*

No. 1261. Foreign Direct Investment in Petroleum in the United States: 1975 to 1983

[**In millions of dollars.** Investment at yearend]

Year	Petroleum investment	Income from investment	Area	Investment			Income		
				1980	1982	1983, prel.	1980	1982	1983, prel.
1975	6,213	714	Canada	1,817	1,509	1,374	141	–281	–193
1976	5,921	803	Europe [1]	10,137	15,271	16,774	2,607	2,707	2,143
1977	6,573	836	United Kingdom	–257	5,429	5,922	–16	878	879
1978	7,762	1,239	Netherlands	9,265	8,100	9,014	2,433	1,383	1,158
1979	9,906	2,037	Japan	–232	121	–325	3	(z)	3
1980	12,200	2,865	Australia, New Zealand, and So. Africa	8	22	69	(z)	9	1
1981	15,193	3,076	Latin America	413	905	783	113	37	–80
1982	17,829	2,466	Middle East	(z)	16	4	–	–6	–8
1983	18,667	1,866	Africa,[2] Asia, and Pacific	57	–16	–12	(z)	–	–

– Represents zero. Z Less than $500,000.
[1] Includes countries not shown separately. [2] Excludes South Africa.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* October 1984, and earlier issues.

No. 1262. Crude Petroleum and Natural Gas—Production, by State: 1966 to 1983

[See *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142 for petroleum production, and series M 147–161 for natural gas production]

STATE	Crude petroleum production (mil. bbl.)							Natural gas marketed production [1] (bil. cu. ft.)						
	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1980	1981	1982	1983	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1980	1981	1982	1983
Total	**3,292**	**3,306**	**3,085**	**3,147**	**3,129**	**3,157**	**3,171**	**19,464**	**21,876**	**20,161**	**20,154**	**19,960**	**18,520**	**16,657**
AL	8	11	19	22	21	20	19	(z)	16	75	65	79	75	72
AK	53	73	357	592	587	619	626	41	134	202	231	243	264	267
AR	21	17	19	18	18	19	19	146	147	108	112	93	125	85
CA	365	337	346	357	385	402	405	683	447	307	310	381	384	396
CO	30	34	35	30	30	31	29	120	136	188	188	196	210	168
FL	2	27	47	43	35	26	19	(z)	27	48	41	32	23	23
IL	54	32	24	23	24	28	29	5	1	1	2	1	1	1
IN	9	6	5	5	5	6	5	(z)	(z)	(z)	(z)	(z)	(z)	(z)
KS	94	68	58	60	66	71	72	868	880	800	735	640	430	438
KY	14	9	6	6	7	7	8	83	66	63	57	61	52	47
LA	804	809	533	469	449	458	480	6,446	7,828	7,181	6,639	6,780	6,172	5,288
MI	13	16	33	34	33	31	32	37	55	143	158	153	153	136
MS	60	56	40	36	34	33	31	138	95	118	175	181	167	151
MT	40	34	31	30	31	31	29	32	44	49	52	57	57	52
NE	13	8	6	6	7	7	6	8	3	3	3	3	2	2
NM	127	105	82	75	72	71	75	1,101	1,213	1,188	1,150	1,134	991	890
ND	24	21	28	40	45	47	51	39	30	30	42	43	54	70
OH	11	9	11	13	14	15	15	46	88	113	139	141	138	125
OK	225	190	152	150	154	159	159	1,455	1,701	1,800	1,892	2,019	1,934	1,730
PA	4	3	3	3	4	4	4	85	79	95	97	122	121	109
TX	1,142	1,261	1,081	977	945	925	903	7,570	8,276	7,044	7,116	6,190	6,469	5,913
UT	24	33	31	25	26	22	30	51	46	65	88	91	94	107
WV	3	3	2	2	3	3	4	227	203	153	157	161	151	134
WY	146	141	133	126	131	118	118	275	351	368	410	410	425	427
Other	5	3	4	5	3	4	3	10	10	19	27	28	28	26

Z Less than 500 million cubic feet. [1] 1980 and thereafter, excludes nonhydrocarbon gases.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Natural Gas Production and Consumption*, annual, *Natural Gas Monthly Report, Petroleum Statement*, annual, and *Petroleum Supply Annual, State Energy Overview.*

No. 1263. Natural Gas—Supply, Production, Consumption, Reserves, and Marketed Production: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series M 147–161]

ITEM	Unit	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Producing wells (yearend)	1,000	117	124	132	138	148	157	170	182	199	211	(NA)
Production value at wells	Bil. dol	3.7	5.0	9.0	11.6	15.8	18.2	24.2	32.1	39.5	45.6	43.1
Avg. per 1,000 cu. ft.	Cents	17.1	21.6	44.5	56.0	79.0	90.5	117.6	160.3	198.0	246.0	260.0
Proved reserves [1]	Tril. cu. ft.	291	250	228	216	207	208	201	199	202	204	202
Total supply [2]	**Bil. cu. ft.**	**24,200**	**25,213**	**22,821**	**22,837**	**22,786**	**23,097**	**23,772**	**22,515**	**22,191**	**21,000**	**19,877**
Marketed production [3]	Bil. cu. ft.	21,921	22,648	20,109	19,952	20,025	19,974	20,471	20,154	19,956	18,520	16,657
Drawn from storage	Bil. cu. ft.	1,459	1,533	1,760	1,921	1,750	2,158	2,047	1,972	1,930	2,165	2,153
Imports [4]	Bil. cu. ft.	821	1,033	953	963	1,011	966	1,253	985	904	933	918
Consumption, total	Bil. cu. ft.	21,139	22,049	19,538	19,946	19,521	19,627	20,241	19,877	19,404	18,001	17,026
Residential	Bil. cu. ft.	4,837	4,879	4,924	5,051	4,821	4,903	4,965	4,752	4,546	4,633	4,530
Commercial [5]	Bil. cu. ft.	2,399	2,597	2,508	2,668	2,501	2,601	2,786	2,611	2,520	2,606	2,530
Industrial	Bil. cu. ft.	9,249	10,185	8,365	8,598	8,474	8,405	8,398	8,198	8,055	6,941	6,492
Lease and plant fuel	Bil. cu. ft.	1,399	1,496	1,396	1,634	1,659	1,648	1,499	1,026	928	1,109	996
Other industrial	Bil. cu. ft.	7,851	8,689	6,968	6,964	6,815	6,757	6,899	7,172	7,128	5,831	5,496
Electric utilities	Bil. cu. ft.	3,932	3,660	3,158	3,081	3,191	3,188	3,491	3,682	3,640	3,226	2,912
Transportation [6]	Bil. cu. ft.	722	728	583	548	533	530	601	639	642	596	563
Extraction losses [7]	Bil. cu. ft.	906	917	872	854	863	852	808	777	775	762	685
Exports	Bil. cu. ft.	70	77	73	65	56	53	56	49	59	52	55
Stored	Bil. cu. ft.	1,857	1,974	2,104	1,756	2,307	2,278	2,295	1,949	2,228	2,472	1,685
Adjustments	Bil. cu. ft.	228	196	235	216	41	287	372	639	501	475	426
World production (dry)	Tril. cu. ft.	37.54	43.15	44.12	46.12	47.31	48.73	51.87	53.78	54.53	53.60	(NA)
U.S. production (dry)	Tril. cu. ft.	21.01	21.73	19.24	19.10	19.16	19.12	19.66	19.40	19.18	17.76	15.90
Percent U.S. of world	Percent	56.0	50.4	43.6	41.4	40.5	39.2	37.9	36.1	35.2	33.1	(NA)

NA Not available.

[1] Estimated, end of year. Source: 1970–1976; American Gas Association, Arlington, VA. (Copyright.) [2] Excludes in transit receipts and deliveries at U.S. borders between 1976 and 1982; beginning 1980, includes supplemental gas supplies not listed. [3] Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter it excludes the nonhydrocarbon gases subsequently removed. thereafter U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [4] Includes imports of liquefied natural gas. [5] Includes deliveries to municipalities and public authorities for institutional heating and other purposes. [6] Pipeline fuel. [7] Volumetric reduction in natural gas resulting from the extraction of natural gas constitutents at natural gas processing plants.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review, International Energy Annual*, September 1983, and *Monthly Energy Review*, Feb. 1984.

No. 1264. Natural Gas Plant Liquids—Production and Value: 1965 to 1983

[**Barrels of 42 gallons.** See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	Unit	1965	1970	1973	1975	1977	1978	1979	1980	1981	1982	1983
Total produced	Mil. bbl	**442**	**606**	**634**	**596**	**590**	**572**	**578**	**576**	**581**	**562**	**565**
Natural gasoline and mixtures	Mil. bbl	130	165	161	134	133	126	106	108	106	92	72
Liquefied petroleum gases (incl. ethane)	Mil. bbl	268	400	447	444	443	432	444	441	459	459	480
Unfractionated stream (net) and other	Mil. bbl	44	41	26	18	14	14	28	27	15	11	13
All light products:												
Average value	*Dol. per bbl*	*2.06*	*2.10*	*2.93*	*4.65*	*6.85*	*7.85*	*(NA)*	*(NA)*	*(NA)*	*(NA)*	*(NA)*
Average yield	Gal. per 1,000 cu ft	1.35	1.37	1.35	1.42	1.41	1.41	1.47	1.63	1.65	1.68	[1] 1.80
Natural gas processed	Tril. cu ft	14	19	20	18	18	17	16	15	15	14	[1] 13.0

NA Not available. [1] Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual,* and *Petroleum Supply Annual.*

No. 1265. Coal and Coke—Summary: 1965 to 1983

[*Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1983, was 490 billion tons.* Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-126]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983[1]
COAL [2]											
Total production	Mil. sh. tons	527	613	655	697	670	781	830	824	838	785
Value	Mil. dol	2,398	3,878	12,671	13,908	14,664	18,552	20,452	21,748	22,850	22,070
World production	*Mil. sh. tons*	*3,079*	*3,295*	*3,673*	*3,840*	*3,921*	*4,121*	*4,197*	*4,228*	*4,382*	*(NA)*
Bituminous coal and lignite:[3]											
Number of mines	Number	7,228	5,601	6,168	6,077	6,229	6,150	6,200	5,578	5,628	(NA)
Production	Mil. sh. tons	512	603	648	691	665	776	824	818	838	785
Value, total	Mil. dol	2,276	3,773	12,472	13,705	14,486	18,359	20,196	21,514	22,850	22,070
Average per ton	Dollars	4.44	6.26	19.23	19.82	21.78	23.65	24.52	26.29	27.26	28.13
Method of mining:											
Underground	Mil. sh. tons	333	339	292	266	242	320	337	316	339	311
Surface	Mil. sh. tons	179	264	356	425	423	456	487	502	499	474
Percent of total production	Percent	35.1	43.8	54.8	61.5	63.6	58.7	59.0	61.4	59.5	60.4
Exports	Mil. sh. tons	50	71	66	54	40	65	90	110	106	78
Value	Mil. dol	465	951	3,233	2,626	2,004	3,328	4,523	5,809	5,997	4,061
Imports	1,000 sh. tons	184	36	940	1,647	2,953	2,059	1,194	1,043	742	1,271
Value	Mil. dol	2	(Z)	22	39	75	51	30	30	30	54
Consumption [4]	Mil. sh. tons	459	516	556	620	621	677	699	729	707	737
Electric power utilities	Mil. sh. tons	243	319	404	476	480	526	568	596	594	625
Industrial	Mil. sh. tons	197	184	146	138	133	144	126	128	105	103
Productivity average:[5]											
Daily employment	1,000	134	140	190	221	242	224	225	226	217	176
Days worked	Number	219	228	232	210	166	206	210	186	196	197
Tons per worker:											
Per day	Tons	*17.52*	*18.84*	*14.74*	*14.84*	*14.68*	*15.33*	*16.32*	*18.08*	*18.13*	*21.19*
Per year	Tons	3,829	4,296	3,420	3,235	2,952	3,158	3,427	3,363	3,497	(NA)
Production, by State:											
Alabama	Mil. sh. tons	14.8	20.6	22.6	21.5	20.6	23.9	26.4	24.5	26.6	23.1
Illinois	Mil. sh. tons	58.5	65.1	59.5	53.5	48.6	59.5	62.5	51.9	60.3	56.8
Indiana	Mil. sh. tons	15.6	22.3	25.1	27.8	24.2	27.5	30.9	29.3	31.8	31.9
Kentucky	Mil. sh. tons	85.8	125.3	143.6	146.3	135.7	149.8	150.1	157.6	150.2	139.4
Montana	Mil. sh. tons	.4	3.4	22.1	27.2	26.6	32.5	29.9	33.6	27.9	28.8
Ohio	Mil. sh. tons	39.4	55.4	46.8	47.9	41.2	43.5	39.4	37.4	36.5	34.3
Pennsylvania	Mil. sh. tons	80.3	80.5	84.1	84.6	81.5	89.2	87.1	78.1	79.4	66.3
Virginia	Mil. sh. tons	34.1	35.0	35.5	37.6	31.9	37.0	41.0	42.0	39.8	34.6
West Virginia	Mil. sh. tons	149.2	144.1	109.3	95.4	85.3	112.4	121.6	112.8	126.5	113.6
Wyoming	*Mil. sh. tons*	*3.3*	*7.2*	*23.8*	*46.0*	*58.3*	*71.8*	*94.9*	*103.0*	*103.0*	*112.0*
Other States	Mil. sh. tons	30.9	44.0	76.0	103.5	111.2	129.2	139.8	148.2	154.1	144.1
COKE											
Production [6]	Mil. sh. tons	66.9	66.5	57.2	53.5	49.0	52.9	46.1	42.8	28.1	25.8
Oven coke [7]	Mil. sh. tons	65.2	65.7	56.5	53.1	49.0	52.9	46.1	42.8	28.1	25.8
Value of product at plant	Mil. dol	1,429	2,193	5,261	5,536	6,557	6,662	6,029	(NA)	(NA)	(NA)
Coke and breeze	Mil. dol	1,118	1,899	4,607	4,653	5,635	5,459	4,784	(NA)	NA)	(NA)
Avg. market value per ton	Dollars	16.84	27.71	84.34	84.56	97.06	97.56	102.73	112.80	114.53	113.87
Coal charged	Mil. sh. tons	95.3	96.5	83.6	77.7	71.4	77.4	66.7	61.0	40.9	37.0
Average value per ton	Dollars	9.40	12.47	44.21	46.26	52.10	50.70	56.26	62.86	64.97	59.30
Yield of coke from coal	Percent	70.4	69.1	68.4	68.8	68.6	68.4	69.2	70.1	68.7	69.7

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Includes bituminous coal, lignite, and anthracite. [3] All domestic product data for 1965-1978 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. Beginning 1982, includes anthracite, which accounts for approximately 0.5 percent of total coal production. [4] Includes some categories not shown separately. [5] Data for 1965-1978 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes all types of coal. [6] Includes beehive coke. [7] Prior to 1978, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1965 to 1975, U.S. Bureau of Mines, *Mineral Yearbook;* 1977 to 1981, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production,* annual; *Coke Plant Report,* and *Quarterly Coal Report.*

No. 1266. World Coal Trade: 1973 to 1982

[In millions of short tons]

COUNTRIES	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
EXPORTING COUNTRIES										
Total [1]	**190.9**	**209.9**	**212.5**	**211.2**	**224.7**	**222.5**	**254.9**	**283.6**	**298.8**	**296.2**
United States	53.6	60.7	66.3	60.0	54.3	40.7	66.0	91.7	112.5	106.3
Australia	31.0	32.5	33.5	34.3	42.3	42.6	44.6	47.2	54.8	54.9
South Africa	2.1	2.5	3.0	6.6	14.0	17.0	25.7	31.4	33.0	30.3
Soviet Union	27.0	28.9	28.8	29.6	31.1	31.6	28.4	28.2	24.3	23.9
West Germany	15.3	19.2	16.2	14.4	16.0	21.0	17.2	14.0	13.6	10.6
Canada	12.1	11.9	12.9	13.0	13.3	15.1	15.3	15.8	17.7	17.6
Poland	39.5	44.1	42.4	42.9	43.3	44.2	45.6	34.5	16.5	31.2
China	[2].3	[2].4	[2].5	.4	.5	.9	1.7	6.8	(NA)	(NA)
IMPORTING COUNTRIES										
Total [1]	**190.9**	**209.9**	**212.5**	**210.2**	**224.7**	**222.5**	**254.9**	**283.6**	**298.8**	**296.2**
Western Europe	67.0	79.3	80.8	80.2	85.9	94.3	107.4	123.0	126.8	121.7
Japan	62.7	70.7	68.5	67.0	67.1	57.5	64.5	75.6	86.4	86.3
Eastern Europe	36.3	35.6	35.1	35.4	36.8	38.4	40.2	33.6	33.7	33.2
Canada	16.5	13.6	16.8	16.1	16.9	14.6	19.4	17.5	18.2	18.6

NA Not available. [1] Includes countries not shown separately. [2] Includes trade with Japan only.

Source: U.S. Energy Information Administration, *Annual Prospects for World Coal Trade 1984.*

No. 1267. Cement, Sand, Gravel, Stone, Gypsum, Lime, and Phosphate Rock: 1965 to 1983

[See also *Historical Statistics, Colonial Times to 1970,* series M 188–194 and series M 203–204. Lime excludes Puerto Rico]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Cement production [1]	**Mil. sh. ton**	**73.1**	**76.1**	**69.7**	**80.1**	**85.5**	**85.9**	**76.7**	**72.9**	**64.3**	**71.3**
Portland	Percent	95.5	96.1	95.8	95.3	95.2	95.6	95.9	96.2	96.5	95.9
Shipments [2]	Mil. sh. ton	73.6	76.4	70.7	81.6	88.0	87.2	77.7	73.0	65.1	71.9
Portland	Mil. sh. ton	70.3	73.4	67.8	77.9	83.8	83.4	74.7	70.2	62.7	68.9
Value	Mil. dol	1,245	1,366	2,220	3,000	3,623	4,061	3,780	3,666	3,199	3,440
Average per ton	Dollar	16.91	17.88	31.41	36.76	41.17	46.57	50.89	52.20	51.04	49.89
Imports	Mil. sh. ton	1.0	2.5	3.6	4.0	6.6	9.4	5.3	4.0	2.9	4.3
Value	Mil. dol	14	34	71	94	191	302	196	151	111	161
Exports	1,000 sh. ton	141	123	417	236	55	149	186	300	201	118
World production (est.)	Mil. sh. ton	478	630	774	879	940	962	974	979	969	1,020
Sand and gravel sold [3]	**Mil. sh. ton**	**908**	**944**	**789**	**929**	**996**	**979**	**793**	**720**	**621**	**682**
Value	Mil. dol	957	1,116	1,340	2,028	2,302	2,427	2,289	2,260	1,998	2,270
Stone sold or used by producers	**Mil. sh. ton**	**780**	**869**	**901**	**955**	**1,051**	**1,101**	**985**	**874**	**791**	**864**
Value	Mil. dol	1,204	1,470	2,120	2,457	2,886	3,399	3,405	3,276	3,063	3,486
Crude gypsum: [4]											
Active establishments [5]	Number	113	108	110	115	116	113	114	113	109	111
Apparent supply	Mil. sh. ton	15.9	15.5	15.1	20.3	23.1	22.3	19.7	18.9	17.1	20.8
Mined	Mil. sh. ton	10.0	9.4	9.8	13.4	14.9	14.6	12.4	11.5	10.5	12.9
Imports for consumption	Mil. sh. ton	5.9	6.1	5.4	7.1	8.3	7.8	7.4	7.6	6.7	8.0
Exports	1,000 sh. ton	28	41	75	143	132	91	88	157	123	117
Calcined gypsum produced	**Mil. sh. ton**	**9.3**	**8.4**	**9.2**	**12.6**	**14.0**	**14.5**	**11.8**	**11.7**	**11.2**	**13.9**
Value	Mil. dol	133	132	186	278	387	442	270	243	196	270
Gypsum products sold, value [6]	**Mil. dol**	**420**	**353**	**514**	**911**	**1,248**	**1,392**	**1,242**	**1,196**	**1,122**	**1,606**
Building uses, value	Mil. dol	391	323	466	843	1,171	1,312	1,149	1,099	1,032	1,504
Lime:											
Active plants	**Number**	**212**	**194**	**171**	**161**	**155**	**154**	**153**	**150**	**147**	**139**
Quantity sold	1,000 sh. ton	16,794	19,747	19,133	19,947	20,443	20,945	19,010	18,856	14,075	14,867
Value	Mil. dol	233	286	524	666	750	862	843	884	696	758
Per ton	Dollars	13.87	14.49	27.38	33.41	36.67	41.18	44.34	46.89	49.46	50.96
Phosphate rock:											
Mine production	**Mil. ton**	**84.3**	**125.5**	**187.5**	**184.0**	**191.2**	**204.8**	**231.4**	**202.5**	**114.8**	**138.6**
P_2O_5 content	Mil. ton	14.3	18.6	23.5	22.4	23.5	25.4	26.2	25.2	14.8	19.4
Marketable production	Mil. ton	29.5	38.7	48.8	52.1	55.2	56.9	60.0	59.1	41.2	46.9
P_2O_5 content	Mil. ton	9.1	12.0	15.0	16.1	16.9	17.5	18.4	18.0	12.7	14.4
Value	Mil. dol	193	203	1,122	822	929	1,046	1,257	1,438	950	1,021
Per ton	Dollars	6.55	5.25	22.99	15.77	16.84	18.38	20.95	24.33	23.04	21.75
Imports [7]	Mil. sh. ton	.15	.14	.04	.17	1.00	.98	.54	.01	.03	.01
Value	Mil. dol	3.0	3.8	1.6	6.1	24.4	21.6	12.9	.4	1.3	.4
Per ton	Dollars	20.14	27.87	43.83	35.02	24.38	22.04	23.99	30.00	38.29	43.04
Exports	Mil. sh. ton	7.3	11.7	12.3	14.6	14.2	15.8	15.7	11.5	10.8	13.2
P_2O_5 content	Mil. sh. ton	2.3	3.8	4.0	4.7	4.5	5.1	5.0	3.6	3.5	4.2
Value	Mil. dol	51.1	60.0	429.2	288.6	297.4	356.5	431.4	373.2	293.6	327.3
Per ton	Dollars	6.98	5.11	34.98	19.79	20.94	22.56	27.41	32.57	27.06	24.73
Consumption, apparent [8]	Mil. sh. ton	21.9	27.2	34.2	37.9	40.6	43.6	45.0	38.7	31.7	38.4
World production	Mil. sh. ton	70.3	93.6	118.6	131.5	137.8	145.3	153.5	152.3	134.7	148.8

[1] Includes Puerto Rico; excludes Alaska except for imports and exports. [2] Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement. [3] Represents sand stone and gravel used by producers. [4] Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. [5] Each mine, plant, or combination mine and plant is counted as one establishment. [6] Made from domestic, imported, and byproduct gypsum. [7] For consumption; P_2O_5 content not available. [8] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1268. Potash—Summary: 1965 to 1983

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Production of potassium salts (marketable)	5,401	4,853	4,576	4,675	4,769	4,708	4,756	4,578	3,710	3,053
Approximate equivalent K_2O	3,140	2,729	2,501	2,457	2,483	2,453	2,468	2,377	1,966	1,575
Value [1] (mil. dol.)	129.8	98.1	223.1	206.9	226.5	279.2	(NA)	(NA)	(NA)	(NA)
Sales of potassium salts by producers	5,027	4,703	3,819	4,675	4,804	5,014	4,701	4,045	3,734	3,252
Approximate equivalent K_2O	2,931	2,729	2,094	2,460	2,543	2,632	2,444	2,103	1,967	1,668
Value at plant (mil. dol.)	121.2	92.4	187.9	206.9	226.5	279.2	353.9	328.9	265.6	220.8
Per ton (dollars)	24.10	19.64	49.19	44.22	47.15	55.68	75.28	81.31	71.13	67.90
Imports for consumption of potash materials	1,867	4,403	6,271	8,386	8,556	9,375	9,031	8,712	6,986	8,071
Approximate equivalent K_2O	1,108	2,605	3,797	5,076	5,189	5,693	5,481	5,287	4,253	4,894
Value (mil. dol.)	52.7	94.7	267.2	373.8	399.2	520.8	648.0	750.4	575.4	600.6
Exports of potash materials	1,099	966	1,419	1,650	1,577	1,233	1,746	978	1,049	622
Approximate equivalent K_2O	648	544	779	932	892	700	926	541	572	331
Value (mil. dol.)	42.5	28.5	92.7	90.2	88.6	79.5	179.8	107.9	93.2	55.8
Apparent consumption of potassium salts [2]	5,795	8,140	8,671	11,405	11,782	13,156	11,987	11,779	9,671	10,701
Approximate equivalent K_2O	3,391	4,730	5,112	6,604	6,840	7,626	6,999	6,849	5,647	6,231
World production (marketable), approximate equivalent K_2O	15,100	20,013	27,269	27,836	28,795	28,404	30,707	29,851	27,187	29,407

NA Not available. [1] Derived from reported value of amount sold or used. [2] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1269. Sulfur—Summary: 1965 to 1983

[In thousands of long tons, except value. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195-199]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production, sulfur, all forms [1]	**8,212**	**9,557**	**11,259**	**10,707**	**10,558**	**10,999**	**11,910**	**11,679**	**11,953**	**9,632**	**9,143**
Sulfur from Frasch mines	6,116	7,082	7,211	6,264	5,822	5,559	6,257	6,289	6,248	4,144	3,151
Recovered elemental sulfur	1,215	1,457	2,969	3,138	3,567	3,998	4,006	4,009	4,192	4,334	4,677
Pyrites, sulfur content only	354	339	237	286	166	296	394	317	302	261	(D)
Gross weight of total pyrites	875	845	625	750	435	766	1,033	834	784	665	(D)
Byproduct sulfuric acid [2]	388	537	767	942	945	1,086	1,146	987	1,141	815	818
Shipments, Frasch mines	7,251	6,504	6,077	5,860	5,935	5,645	7,388	7,283	5,817	3,541	4,046
Approximate value (mil. dol.)	165	152	305	300	295	280	449	721	716	435	445
Avg. value per long ton (dol.)	23	24	50	51	50	50	61	99	123	123	110
Imports for consumption:											
Crude sulfur	1,486	1,537	1,897	1,727	1,977	2,143	2,455	2,483	2,482	1,875	1,668
Pyrites, sulfur content [3]	160	130	-	-	-	-	-	-	-	-	-
Exports, sulfur	2,635	1,433	1,352	1,270	1,178	852	2,012	1,754	1,370	946	976

- Represents zero. D Withheld to avoid disclosure of individual company data. [1] Includes other byproduct sulfur compounds, not shown separately. [2] Represents sulfur content. Produced at copper, lead, and zinc plants. [3] Estimate.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1270. Lead—Summary: 1965 to 1983

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Smelter production of refined primary lead	**418**	**667**	**636**	**653**	**605**	**623**	**634**	**604**	**546**	**565**	**587**
Domestic ores and base bullion [1]	305	528	530	569	536	553	584	560	485	507	506
Foreign ores and base bullion	113	139	106	84	68	70	50	43	61	58	61
Recovery of secondary lead	576	597	658	727	835	848	883	745	707	630	555
Imports, general:											
Lead in pigs and bars	223	244	101	146	261	244	211	90	112	101	144
Lead in ores and matte	123	112	88	76	73	58	44	49	65	39	52
Exports of refined pig lead [2]	8	8	21	6	10	9	12	181	26	56	19
Consumption of metal, primary and secondary	1,241	1,361	1,297	1,490	1,582	1,579	1,497	1,180	1,287	1,185	1,266
Average price, common lead:											
New York (cents per lb.)	16.00	15.69	21.53	23.10	30.70	33.65	52.64	42.46	36.53	25.54	21.68
London (cents per lb.)	14.37	13.76	18.73	20.46	28.00	29.86	54.52	41.21	33.30	24.66	19.27
Mine production of recoverable lead [3]	301	572	621	610	592	584	579	607	491	565	495
Value [3] (mil. dol.)	94	179	267	282	364	394	610	515	359	289	215
World smelter production, primary (est.)	2,911	3,628	3,633	3,568	3,516	3,466	3,611	3,496	3,425	3,486	3,537
World smelter capacity	(NA)	(NA)	(NA)	5,190	5,255	5,230	5,241	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Excludes lead content of antimonial lead. [2] Pigs, bars, and anodes. [3] Includes Alaska.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1271. Iron Ore—Summary: 1965 to 1983

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Number of mines	183	74	67	65	54	51	49	37	32	27	20
Production [1]	**87.4**	**89.8**	**78.9**	**80.0**	**55.6**	**81.6**	**85.7**	**69.6**	**73.2**	**35.4**	**37.6**
Lake Superior	66.4	69.6	66.7	67.4	44.0	72.7	77.2	62.3	67.5	31.0	35.6
Northeastern	5.2	3.5	1.9	2.4	2.0	8.9	8.6	7.3	5.7	4.4	2.0
Western	[2] 13.1	14.3	9.6	10.1	9.8						
Hematite [3]	47.0	33.6	19.2	19.3	11.5	15.9	13.9	11.8	10.6	6.7	5.4
Magnetite [3]	36.9	53.8	58.4	59.3	43.1	64.8	71.0	57.8	62.6	28.7	32.2
Other	3.5	2.4	1.2	1.4	1.1	.8	.8	-	-	-	-
Shipments [4]	84.1	87.2	75.7	77.1	54.1	83.2	86.2	69.6	72.2	35.8	44.6
Value [4] (mil. dol.)	801	942	1,621	1,871	1,423	2,401	2,814	2,544	2,915	1,492	1,945
Average price per ton at mine (dol.)	9.53	10.80	21.41	24.28	26.32	28.86	32.64	36.56	40.39	41.72	43.61
Stocks, Dec. 31 (at mines)	12.7	15.3	12.3	14.0	14.8	12.4	11.3	11.7	12.7	12.1	3.2
Price (Lake Superior ores) Dec. 31:											
Natural ores, basis 51.5% Fe (dol./lg. ton)	10.55	10.80	18.50	20.26	21.18	22.30	24.56	28.50	32.53	32.53	30.03
Imports for consumption [5]	45.1	44.9	46.7	44.4	37.9	33.6	33.8	25.1	28.3	14.5	13.2
Canada	23.8	23.9	19.1	25.0	25.3	19.2	22.6	17.3	18.8	9.3	8.8
Venezuela	12.3	13.0	13.1	9.0	6.2	6.1	4.6	3.6	5.1	1.6	1.3
Brazil	2.3	2.0	7.5	5.4	2.2	4.0	3.1	2.0	1.7	1.0	1.3
Value (mil. dol.)	444	480	860	980	957	845	923	773	948	471	446
Exports	7.1	5.5	2.5	2.9	2.1	4.2	5.1	5.7	5.5	3.2	3.8
Value (mil. dol.)	80	68	60	82	63	137	179	231	245	151	183
World production (est.)	611	754	902	885	828	833	889	877	842	769	730

- Represents zero. [1] Includes Southeastern district and byproduct ore, not shown separately. [2] Includes undistributed. [3] Predominant mineral. [4] Beginning 1976, includes byproduct ore. [5] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1272. Gold and Silver—Summary: 1965 to 1983

[See *Historical Statistics, Colonial Times to 1970*, series M 266-269, for mine production]

ITEM	Unit	1965	1970	1975	1976	1979	1980	1981	1982	1983, prel.
GOLD										
Ore produced [1]	1,000 sh. ton	3,113	3,687	5,722	4,292	7,046	9,893	12,729	17,918	23,516
Production, U.S	1,000 fine oz	1,705	1,743	1,052	999	964	970	1,379	1,466	1,957
Value	Mil. dol	60	63	170	193	297	594	634	551	830
World production	1,000 fine oz	46,225	47,522	38,476	39,057	38,830	39,205	41,249	43,057	44,533
Industrial consumption U.S., net	1,000 fine oz	5,276	5,973	3,993	4,738	4,785	3,215	3,276	3,423	3,060
Imports [2]	Mil. dol	102	237	457	903	1,480	2,750	2,157	1,894	1,977
Canada	Mil. dol	2	152	182	339	565	1,234	1,314	1,124	987
Soviet Union	Mil. dol	-	-	1	287	549	88	22	4	-
South Africa	Mil. dol	(z)	(z)	6	1	3	33	188	38	16
Exports	Mil. dol	1,285	38	493	1,114	4,908	3,648	3,072	1,089	1,326
Price per fine oz. [3]	Dollars	35.0	36.4	161.5	193.6	307.5	612.6	459.6	375.9	424.0
Production: [4]										
Nevada	1,000 fine oz	[5] 205	480	333	261	250	278	525	757	920
South Dakota	1,000 fine oz	[5] 656	579	305	286	246	268	278	185	310
Utah	1,000 fine oz	[5] 389	408	190	236	261	180	228	175	238
SILVER										
Ore produced [1] [6]	1,000 sh. ton	958	934	919	1,840	1,822	2,936	5,579	6,636	8,618
Production, U.S	1,000 fine oz	39,806	45,006	34,938	39,385	37,896	32,329	40,683	40,248	43,415
Value	Mil. dol	51	80	154	213	420	667	428	320	497
World production	1,000 fine oz	257,415	300,991	303,112	344,978	348,120	344,026	361,781	383,766	390,618
Industrial consumption U.S., net [7]	1,000 fine oz	137,000	128,404	157,650	160,165	157,258	124,694	116,870	118,840	116,291
Imports [8]	Mil. dol	63	104	394	389	962	1,606	1,028	927	2,124
Canada	Mil. dol	26	64	150	180	277	660	375	303	420
Mexico	Mil. dol	8	9	96	94	257	282	228	205	340
Peru	Mil. dol	13	19	76	85	188	354	273	143	269
Exports	Mil. dol	51	49	148	119	471	1,910	332	209	377
Price per fine oz. [3] [9]	Dollars	1.29	1.77	4.42	5.40	11.09	20.63	10.52	7.95	11.44
Production: [4]										
Idaho	Mil. fine oz	18.1	19.1	13.9	18.4	17.1	13.7	16.5	14.8	17.7
Arizona	Mil. fine oz	6.1	7.3	6.3	6.6	7.5	6.3	8.1	6.3	4.5
Utah	Mil. fine oz	5.2	6.0	2.8	2.9	2.5	2.2	2.9	4.3	4.6
Colorado	Mil. fine oz	2.0	2.9	3.4	4.2	2.8	3.0	3.0	1.9	2.1

- Represents zero. Z Less than $500,000. [1] Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver. [2] General imports, 1965-1975; imports for consumption, beginning 1978. [3] Selling price. [4] Source: 1965, U.S. Bureau of the Mint, *Annual Report of the Director*. [5] Refinery production. [6] Includes gold-silver ore. [7] Excludes coinage. [8] General imports, 1965-1975; thereafter, imports for consumption. [9] New York price.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1273. COPPER—SUMMARY: 1965 TO 1983

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970,* series M 235-241]

ITEM	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
New (primary) copper produced:										
Mines (from domestic ores)	1,352	1,720	1,413	1,504	1,496	1,595	1,302	1,696	1,264	1,144
Copper ore produced [1] (mil. sh. tons)	173	258	263	260	264	306	244	306	201	196
Average yield of copper (percent)	.70	.59	.47	.52	.51	.47	.48	.51	.55	.51
Smelters (from domestic ores)	1,403	1,605	1,374	1,394	1,400	1,448	1,096	1,427	1,037	979
Percent of world total	23	24	17	16	16	16	13	16	11	11
Refineries (from domestic ores)	1,336	1,521	1,286	1,411	1,463	1,557	1,241	1,577	1,173	1,106
From foreign ores, matte, etc., refinery	*376*	*244*	*157*	*85*	*134*	*114*	*98*	*125*	*179*	*197*
Total new refined, domestic and foreign	1,712	1,765	1,443	1,496	1,597	1,671	1,339	1,702	1,352	1,303
Secondary copper produced	1,253	1,248	972	1,196	1,375	1,711	1,584	1,563	1,309	1,200
Recovered from old scrap only	513	504	369	452	553	666	676	659	571	502
Imports (unmanufactured) [2 3]	523	392	324	437	586	310	603	474	558	709
Refined	137	132	147	387	444	225	471	364	285	507
Exports of refined metallic copper	325	221	172	52	101	81	16	27	34	90
Stocks (producers), Dec. 31	281	470	519	580	459	374	354	472	552	362
Mine production of primary copper	1,352	1,720	1,413	1,504	1,496	1,595	1,302	1,696	1,264	1,144
Arizona	703	918	813	924	983	1,043	849	1,147	848	746
Montana	*115*	*120*	*88*	*86*	*74*	*77*	*42*	*69*	*72*	*37*
New Mexico	99	166	146	165	141	181	165	170	(D)	(D)
Utah	259	296	177	194	205	213	174	233	208	187
Other States	175	220	189	135	93	77	72	77	136	173
Avg. price, domestic production (cents per lb.)	35.4	58.2	64.2	66.8	66.5	93.3	102.4	85.1	74.3	79.3
World smelter production	6,105	6,752	8,069	8,967	8,759	8,833	8,759	9,199	9,128	9,153
World smelter capacity	(NA)	(NA)	(NA)	(NA)	10,900	11,180	(NA)	(NA)	(NA)	(NA)

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper." [2] Includes copper imported for immediate consumption plus material entering country under bond. Beginning 1977, *includes imports for consumption.* [3] *Comprises copper in ores and concentrates, matte, refined, blister, and scrap.*

No. 1274. MOLYBDENUM CONCENTRATES—SUMMARY: 1965 TO 1983

[In millions of pounds of contained molybdenum, except as indicated. See *Historical Statistics, Colonial Times to 1970,* series M 227-228, for production and exports of ores and concentrates]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Production	77.4	111.4	112.0	106.0	113.2	122.4	131.8	144.0	150.7	139.9	84.4	34.0
Shipments from mines	*77.3*	*110.4*	*118.2*	*105.2*	*114.5*	*125.0*	*130.7*	*143.5*	*149.3*	*118.9*	*76.1*	*49.2*
Average price per pound [1] (dol.)	1.75	1.92	2.24	2.74	3.26	4.02	4.86	6.07	9.00	6.85-8.50	8.50	(NA)
Value (mil. dol.)	120.8	190.1	234.7	259.3	333.5	450.4	607.9	871.1	1,344.2	945.5	504.1	167.2
Exports [2]	24.1	55.7	78.7	62.6	62.5	65.7	69.2	72.2	68.2	51.4	49.8	47.1
Imports for consumption	.1	(Z)	.2	2.6	2.1	2.0	2.7	2.3	1.8	2.0	3.1	1.1
Consumption	68.1	76.1	91.7	90.0	85.0	91.0	96.4	103.2	108.2	80.7	49.4	27.0
Stocks (industry), Dec. 31 [3]	4.2	9.7	18.7	10.7	9.4	9.2	9.0	9.5	18.1	35.0	38.5	36.4
World production, estimate	[4] 98.5	[4] 161.1	185.6	180.3	195.5	209.7	220.6	229.4	241.7	241.1	207.3	137.9

NA Not available. Z Less than 50,000 pounds. [1] Molybdenum in technical-grade oxide, f.o.b., plant of major producer, *domestic sales.* [2] Includes roasted concentrates. [3] At mines and at plants making molybdenum products. [4] Free world.

No. 1275. COBALT—SUMMARY: 1965 TO 1983

[In millions of pounds of contained cobalt, except price]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production: Mine	1.2	.7	–	–	–	–	–	–	–	–	–	–
Secondary (scrap) [1]	.1	.1	.3	.3	.3	.5	1.0	1.2	1.2	1.0	.9	.7
Imports [2]	*15.4*	*12.4*	*16.1*	*6.6*	*16.5*	*17.5*	*19.0*	*20.0*	*16.3*	*15.6*	*12.9*	*17.2*
Zaire	(NA)	(NA)	7.5	2.2	6.8	7.5	7.9	8.8	6.2	4.2	5.0	7.7
Zambia	(NA)	(NA)	.1	–	1.7	2.4	2.1	3.5	2.2	1.5	1.2	2.3
Finland	(NA)	(NA)	.9	1.1	.8	1.3	.9	1.2	1.1	1.2	.8	1.0
Exports [3]	.1	1.5	1.3	1.8	1.8	.9	1.5	.7	.6	.8	.6	.8
Consumption	13.6	13.4	18.9	12.8	16.5	16.6	20.0	17.4	15.3	11.7	9.5	11.3
Inventories	103.8	81.0	56.0	49.5	44.1	44.5	45.2	44.2	43.3	42.2	45.1	47.3
Government [4]	102.2	79.1	54.0	47.6	41.0	40.9	40.8	40.8	40.8	40.8	43.8	45.9
Private [5]	1.6	1.9	2.0	1.8	3.2	3.7	4.4	3.4	2.5	1.4	1.3	1.4
Price per pound [6] (dollars): Low	1.62	2.20	3.46	3.98	4.44	5.58	6.40-	20.00-	25.00	17.26-	8.56	5.76
High							20.00	25.00		25.00		

– *Represents zero.* NA *Not available.* [1] Reported consumption of purchased scrap. [2] Includes countries not shown separately. [3] Content of unwrought cobalt and cobalt alloys, and waste and scrap. [4] Includes cobalt sold but not delivered. [5] Consumer stocks only. [6] 1965-77 and 1980 weighted average based on the market price quoted by a major U.S. cobalt dealer; otherwise based on range of prices; 1982-83 weighted average "metals week" prices.

Source of tables 1273-1275: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1276. Nickel—Summary: 1965 to 1983

[**Quantities in thousands of short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Mine production	16	16	17	17	16	14	14	15	15	12	3	-
Plant production:												
Primary [1]	14	16	14	14	14	13	11	12	11	10	3	(D)
Secondary [2]	51	49	65	42	47	45	44	57	40	(NA)	(NA)	(NA)
Imports (est. nickel content)	163	156	221	161	188	195	240	177	189	209	130	152
Exports (gross weight)	21	31	30	30	47	39	36	51	57	47	57	44
Consumption	172	156	208	146	163	155	181	196	156	145	104	128
Stocks (consumer), Dec. 31	14	25	45	35	32	19	20	20	15	23	19	20
Price per pound [3] (dollars)	.79	1.33	2.01	2.20	2.20	2.41	2.10	3.20	3.45	3.45	2.60	2.35
World production, est	468	693	849	890	873	913	725	756	859	803	705	759

- Represents zero. D Withheld to avoid disclosing company proprietary data. NA Not available. [1] From domestic ores. [2] Includes nickel recovered from iron and steel scrap. [3] Peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario.

No. 1277. Tin—Summary: 1965 to 1983

[**In thousands of short tons, except price.** See headnote, table 1276, for exclusions]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Production: Domestic smelters	3.4	(D)	7.2	6.3	7.4	6.5	5.1	3.3	2.2	3.9	2.8
Secondary sources	28.1	22.4	17.5	18.1	20.4	23.3	23.7	20.5	17.0	15.8	16.3
Imports for consumption:											
Metal	45.7	56.7	48.9	49.7	52.7	51.6	53.3	50.7	50.6	30.8	37.5
Ore (tin content)	4.7	5.2	7.1	6.3	7.4	4.3	5.0	.9	.3	2.2	1.1
Exports	3.2	5.0	4.0	2.6	6.0	5.2	3.8	4.7	6.7	10.0	[1] 1.5
Price of Straits tin at NY, dol. per lb.[2]	1.76	1.74	3.40	3.80	5.35	6.30	7.54	8.46	7.33	6.54	6.55
Consumption	94	83	62	69	67	68	69	62	60	51	50
World mine production, est	225	256	245	241	254	266	270	273	279	261	233

D Withheld to avoid disclosure of individual company data. [1] Excludes reexports. [2] See footnote 5, table 1242.

No. 1278. Tungsten Concentrate—Summary: 1965 to 1983

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Production:											
Concentrates (60% WO_3 basis) [1]	1,000 sh. ton	7.9	10.1	5.8	6.3	7.3	7.0	6.3	8.2	3.6	(NA)
Tungsten content	Mil. lb	7.6	9.3	5.5	6.0	6.9	6.6	6.0	7.8	3.5	2.2
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol	13.0	23.8	29.1	55.1	56.7	55.8	50.6	62.2	22.1	10.5
Avg. value per lb. of tungsten	Dollars	1.72	2.55	5.30	9.15	8.22	8.40	8.38	7.96	6.35	4.70
Imports, general [2]	Mil. lb	3.5	1.3	6.9	6.8	[3] 9.1	[3] 11.4	[3] 11.4	[3] 11.8	[3] 7.8	[3] 6.3
Consumption [2]	Mil. lb	13.9	16.7	14.0	17.1	18.8	21.6	20.4	21.7	9.9	11.4
Stocks,[2] end of year	Mil. lb	1.8	2.2	2.5	1.0	1.5	1.6	1.4	1.7	4.0	2.5
World production [2]	Mil. lb	59.6	71.4	84.5	90.5	101.5	107.1	114.4	108.1	99.9	85.7

NA Not available. [1] A short ton of 60% tungsten trioxide (WO_3) contains 951.72 pounds of tungsten. [2] Tungsten content. [3] Imports for consumption.

Source of tables 1276-1278: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1279. Uranium—Summary: 1965 to 1983

[See table 981. See also *Historical Statistics, Colonial Times to 1970*, series M 266-267]

ITEM	Unit	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Mine ore shipments [1]	Mil. sh. ton	4.4	6.3	7.0	8.6	10.3	14.3	15.0	16.7	14.5	8.8	(NA)
Recoverable content [2]	Mil. lb	20.8	25.6	24.0	27.0	31.8	37.6	31.4	40.0	33.4	21.0	(NA)
Value [3]	Mil. dol	(NA)	(NA)	252.0	438.0	628.0	812.0	749.0	1,228.0	(NA)	(NA)	(NA)
Production, concentrate [2]	1,000 sh. ton	10.4	12.9	11.6	12.8	14.9	18.5	18.7	21.8	19.2	13.4	10.6
Export	1,000 sh. ton	(NA)	2.1	.5	.6	2.0	3.4	3.1	2.9	2.2	2.2	.9
Imports, concentrate [2] [4]	1,000 sh. ton	4.0	-	.7	1.8	2.8	2.6	1.5	1.8	3.3	8.5	3.4
World production [2] [5]	1,000 sh. ton	20.4	24.2	24.8	29.0	36.8	44.0	49.6	57.2	57.1	53.7	49.3

- Represents zero. NA Not available. [1] Receipts at mills. [2] U_3O_8. [3] Based on average price for delivery commitments during the year. [4] Mainly for enrichment and export of enriched uranium product, 1965-76; thereafter, for domestic consumption only. [5] Excludes communist countries.

Source: U.S. Dept. of Energy, *Statistical Data of The Uranium Industry, 1982; 1980 Annual Report to Congress*, vol. II; *OECD, Uranium Resources, Production and Demand*, February 1982, and *United States Uranium Mining and Milling Industry*, May 1984.

No. 1280. Zinc—Summary: 1965 to 1983

[Production in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Smelter production, primary slab zinc	**994**	**878**	**555**	**438**	**499**	**450**	**448**	**521**	**375**	**382**	**252**	**260**
Value (mil. dol.)	291	236	399	341	369	310	278	389	281	341	194	215
From domestic ores	551	404	347	308	382	355	295	281	256	286	213	232
From foreign ores	443	474	208	130	117	95	154	240	120	96	38	28
Production, redistilled secondary slab zinc	84	77	79	58	69	51	38	59	32	55	82	76
Avg. price of common zinc (cents per lb.)	14.5	15.3	36.0	39.0	37.1	34.4	31.0	37.3	37.4	44.6	38.5	41.4
World smelter production, est	4,353	5,321	6,183	5,526	5,986	6,407	6,483	6,900	6,668	6,701	6,465	6,807
World smelter and refining capacity	(NA)	(NA)	6,940	(NA)	7,545	7,666	8,487	8,524	(NA)	(NA)	(NA)	(NA)
Mine production, recoverable zinc	**611**	**534**	**500**	**469**	**485**	**450**	**334**	**295**	**350**	**344**	**334**	**303**
Colorado	54	57	49	48	51	40	24	11	15	(D)	(D)	(D)
Idaho	58	41	39	41	47	31	36	33	31	(D)	(D)	(D)
Missouri	4	51	92	75	84	82	65	68	69	58	70	63
New York	70	59	93	77	74	71	29	13	37	41	58	63
Tennessee	122	118	86	83	83	90	97	94	123	130	134	121
Other States	303	208	141	145	146	136	83	76	75	116	72	56

D Withheld to avoid disclosure of individual company data. NA Not available.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1281. Bauxite—Summary: 1965 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	Unit	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production:												
Crude ore	Mil. lg. ton	2.0	2.5	2.2	2.4	2.4	2.0	2.2	1.8	1.8	.9	.8
Dried bauxite	*Mil. lg. ton*	1.7	2.1	1.8	2.0	2.0	1.6	1.8	1.5	1.5	.7	.7
Value	Mil. dol	18.6	30.1	25.1	26.6	27.6	23.2	24.9	22.4	26.5	12.3	11.3
Imports [1] (crude, dried)	Mil. lg. ton	11.4	13.6	11.5	12.5	12.9	13.8	13.6	13.9	12.6	10.0	7.5
Jamaica	Mil. lg. ton	6.6	7.5	5.4	6.2	6.4	6.4	6.4	6.0	5.3	4.0	3.0
Guinea	Mil. lg. ton	(NA)	.5	2.6	3.0	3.0	3.4	3.9	4.0	3.5	4.1	3.5
Suriname	Mil. lg. ton	3.0	2.9	1.9	1.5	1.9	2.3	1.5	1.3	1.1	.4	.2
Value [2]	Mil. dol	143.0	159.8	245.1	315.1	349.5	397.5	389.1	(NA)	(NA)	(NA)	(NA)
Exports (as shipped)	1,000 lg. ton	147	3	19	15	26	13	15	21	20	48	73
Value	Mil. dol	10.7	.2	1.7	1.3	2.3	1.5	3.3	(NA)	(NA)	(NA)	(NA)
Consumption (dry equivalent)	Mil. lg. ton	13.5	15.7	12.4	13.8	14.3	14.5	15.4	15.7	13.3	9.1	8.8
World production, est	Mil. lg. ton	36.8	56.9	73.6	76.2	80.1	79.7	84.2	87.8	84.2	76.6	74.8

NA Not available. [1] Includes countries not shown separately. [2] See footnote 1, table 1246.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1282. Aluminum—Summary: 1965 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production	Mil. sh. ton	3.4	4.8	4.9	5.4	5.8	6.1	6.4	6.5	6.4	5.2	5.4
Primary aluminum	Mil. sh. ton	2.8	4.0	3.9	4.3	4.5	4.8	5.0	5.1	4.9	3.6	3.7
Plant capacity	Mil. sh. ton	2.8	4.3	5.0	5.2	5.2	5.2	5.3	5.5	5.5	5.5	5.5
Secondary aluminum [1]	Mil. sh. ton	.6	.8	1.0	1.2	1.3	1.3	1.4	1.4	1.5	1.6	1.7
Value [2] (primary metal)	Bil. dol	1.7	2.6	3.7	4.8	6.0	6.6	7.8	9.3	9.8	8.0	8.5
Primary aluminum	Bil. dol	1.3	2.2	3.0	3.8	4.7	5.2	6.1	7.3	7.5	5.5	5.8
Price (cents per lb.[3])	Cents/lb	24.5	28.7	39.8	44.5	51.6	54.0	61.0	71.6	76.0	76.0	77.8
Secondary aluminum	Bil. dol	.3	.5	.8	1.0	1.3	1.4	1.7	2.0	2.3	2.5	2.7
Imports for consumption [4]	1,000 sh. ton	620	468	550	749	836	1,080	840	713	935	968	1,203
Value	Bil. dol	.3	.2	.4	.6	.8	1.1	1.0	1.0	1.4	1.3	1.6
Exports [4]	1,000 sh. ton	315	612	440	484	411	520	773	1,483	867	824	855
Value	Bil. dol	.2	.4	.4	.5	.5	.7	1.1	2.4	1.5	1.2	1.3
Shipments [5] (net domestic)	Mil. sh. ton	3.8	4.5	4.6	5.8	6.1	6.8	6.9	6.0	6.1	5.6	6.7
World production, est	Mil. sh. ton	7.0	10.6	13.4	13.9	15.2	15.6	16.0	16.9	16.6	14.8	15.3
World plant capacity	Mil. sh. ton	7.9	12.0	16.4	17.6	18.0	18.9	19.4	18.7	19.0	19.2	19.5

[1] Recoverable aluminum content from scrap, old and new. [2] Based on published producers' prices for primary metal. [3] Average of prices for primary aluminum, 1965-1978, quoted by *American Metal Market*; thereafter *Metals Week*. [4] Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). [5] Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1283. Magnesium—Summary: 1970 to 1983

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production (domestic)	124	(D)	148	151	159	185	200	209	200	145	160
Primary [1]	112	(D)	120	120	126	149	162	169	154	102	115
Secondary (recovered from scrap)	12	15	28	31	33	36	37	40	46	43	45
Exports	36	46	33	13	28	42	54	57	35	40	47
Value (mil. dol.)	22.5	48.5	48.2	26.9	51.8	75.8	113.8	127.7	90.8	104.8	124.7
Imports	3	5	8	15	6	7	5	4	7	5	6
Value (mil. dol.)	2.5	5.2	11.5	22.7	8.0	10.1	9.0	8.3	17.6	15.6	16.3
Consumption	93	130	94	104	104	109	109	96	91	75	82
Castings and wrought products	23	28	19	17	20	19	19	17	15	14	15
Alloys (aluminum)	37	62	47	54	56	59	61	54	51	40	46
Other	33	40	28	33	28	31	29	24	25	21	21
Price per pound (cents)	35	41–75	82	87–92	96–99	99–101	101–109	107–125	125–134	134	138
World production (primary)	242	[2] 143	258	275	284	318	339	348	336	273	291

D Withheld to avoid disclosing company proprietary data. [1] For 1975–1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production. [2] Excludes U.S. production.

No. 1284. Platinum-Group Metals—Summary: 1970 to 1983

[In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals (see below). The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; used as catalysts in the chemical, petroleum refining, and automotive industries and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983 [1]
World mine production, total [2]	**4,239**	**5,714**	**6,229**	**6,511**	**6,440**	**6,487**	**6,848**	**6,931**	**6,431**	**6,482**
United States	17	19	6	6	8	7	3	7	8	6
U.S.S.R.	2,200	2,650	3,050	3,100	3,150	3,200	3,250	3,350	3,500	3,600
South Africa	1,503	2,600	2,700	2,870	2,860	3,017	3,100	3,110	2,600	2,600
Primary refined	21	17	7	5	8	8	2	6	7	6
Secondary refined	350	270	215	195	257	309	331	392	344	287
Imports	1,411	1,620	2,667	2,510	2,921	3,479	3,502	2,850	2,494	3,218
Value (mil. dol.)	105	273	292	273	450	841	1,177	800	554	753
Exports	414	660	512	427	703	900	765	863	836	1,229
Value (mil. dol.)	43	88	53	46	102	202	341	302	182	310
Consumption [3]	1,331	1,309	1,603	1,592	2,260	2,756	2,206	1,921	1,873	1,914
Industry stocks, Jan. 1	1,068	1,122	849	1,086	1,013	861	761	973	918	1,107
Producer price per troy ounce (dol.):										
Platinum	133	164	162	162	237	352	439	475	475	475
Palladium	38	93	51	60	71	113	214	130	110	130
Rhodium	215	338	348	441	510	733	766	641	600	600
Iridium	156	477	325	258	300	257	505	600	600	600
Ruthenium	53	60	60	60	56	45	45	45	45	45
Osmium	215	200	200	175	150	150	150	150	137	110

[1] Preliminary. [2] Includes countries not shown separately. [3] Reported sales to consumers.

No. 1285 Titanium—Summary: 1970 to 1983

ITEM	Unit	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Ilmenite concentrate:												
Mine shipments	1,000 sh. ton	921	755	702	618	542	581	646	594	524	233	(D)
Value	Mil. dol	18.6	22.7	26.9	27.6	25.2	25.6	33.0	32.0	37.0	19.1	(D)
Imports	1,000 sh. ton	96	82	122	168	335	309	184	357	236	348	259
Value	Mil. dol	1.0	1.4	2.1	2.6	5.7	4.5	2.8	6.7	5.9	8.8	9.3
Consumption	1,000 sh. ton	972	852	748	822	867	792	791	849	856	583	731
Titanium dioxide pigments:												
Production	1,000 sh. ton	655	787	603	713	687	701	742	727	761	657	757
Imports for consumption	1,000 sh. ton	60	35	26	68	115	118	105	98	125	139	175
Apparent consumption	1,000 sh. ton	(NA)	(NA)	596	754	785	802	837	753	806	739	850
Price, Dec. 31:												
Anatase	Cents/lb	26	31	39	41	44	46	53	57	69	69	69
Rutile	Cents/lb	26–27	35	44	47	49	51	59	63	75	75	75
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	3,519	3,194	3,490	3,653	3,875	3,910	4,107	4,018	[1] 3,346	[2] [3] 2,876
Titanium slag	1,000 sh. ton	853	936	832	901	765	1,037	842	1,343	1,245	[1] 1,157	[2] 1,095
Rutile concentrate, natural [3]	1,000 sh. ton	460	398	422	445	401	333	390	480	399	[1] 374	[2] 359

D Withheld to avoid disclosing company proprietary data. NA Not available. [1] Preliminary. [2] Estimated. [3] Excludes U.S. production data to avoid disclosing company proprietary data.

Source of tables 1283–1285: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1286. CHROMITE—SUMMARY: 1970 TO 1983

[In thousands of short tons, except as indicated]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Imports for consumption [1]	1,405	1,102	1,252	1,275	1,293	1,013	1,024	982	898	507	190
Value (mil. dol.)	31.8	28.5	60.7	70.0	68.7	51.4	55.6	56.5	49.9	29.7	10.4
South Africa	407	341	289	438	659	490	353	405	482	277	144
Soviet Union	248	296	349	189	80	157	250	170	111	34	(z)
Philippines	210	264	210	166	172	185	194	138	145	70	13
Exports	41	18	139	124	187	23	27	6	71	8	11
Reexports	73	99	45	85	61	29	28	44	67	57	5
Consumption, total	1,403	1,450	881	1,006	1,000	1,010	1,214	977	889	545	325
Metallurgical industry	912	904	532	597	578	534	774	577	503	270	64
Refractory industry	278	295	183	202	208	237	198	160	148	80	72
Chemical industry	213	251	166	207	214	239	242	240	238	195	189
Stocks, Dec. 31 (consumer)	733	573	952	1,009	1,338	1,301	907	675	728	545	450
World production [1]	6,872	8,244	9,136	9,362	10,415	12,064	10,277	10,438	9,660	8,770	8,921
South Africa	1,573	2,069	2,288	2,656	3,372	3,466	3,634	3,763	3,164	2,385	2,460
Soviet Union	1,930	2,150	2,290	2,300	2,400	3,640	2,535	2,701	2,646	2,701	2,700
Philippines	624	584	573	475	593	595	613	547	484	391	363

Z Fewer than 500 short tons. [1] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1287. FERROALLOYS—SUMMARY: 1970 TO 1983

[Domestic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. The major consumers of ferroalloys are the steel and ferrous foundry industries; see tables 1378-1381]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Domestic shipments [1]	**2,489.6**	**1,768.1**	**1,486.1**	**1,374.9**	**826.0**	**867.1**	**548.1**	**906.7**	**1,129.9**	**1,105.6**	**652.2**	**550.4**
Ferromanganese [2]	807.4	556.1	194.3	188.3	98.4	108.9	134.5	222.5	99.6	104.1	65.0	53.8
Silicomanganese	173.0	126.4	161.6	172.5	82.9	63.1	32.0	53.9	70.3	81.8	40.8	21.2
Manganese metal	(NA)	22.1	(NA)	22.8	18.1	(D)	(NA)	(NA)	(NA)	31.9	25.3	(D)
Ferrosilicon	659.2	709.9	681.4	510.4	317.3	359.1	136.2	321.5	442.6	295.1	161.7	179.3
Silicon metal	97.7	131.1	124.5	121.1	80.8	123.1	(NA)	(NA)	(NA)	154.0	102.8	113.5
Chromium alloys	370.9	223.5	237.5	188.6	119.3	53.2	126.3	177.5	179.9	146.3	83.7	53.4
Ferrocolumbium	1.4	.5	1.3	.8	(D)	(D)	9.4	3.5	34.5	12.6	(D)	(D)
Ferrophosphorus	176.1	96.0	85.4	42.7	(D)	62.1	6.5	10.9	13.1	9.4	(D)	7.0
U.S. exports	(NA)	(NA)	**155.5**	**74.8**	**48.2**	**75.4**	(NA)	(NA)	**173.6**	**121.3**	**81.3**	**100.8**
Ferroalloys	151.1	97.4	128.5	63.2	42.6	66.1	55.7	58.9	93.1	55.1	40.4	41.9
Metals [1]	(NA)	(NA)	27.0	11.6	5.6	9.4	(NA)	(NA)	80.7	66.2	40.9	58.9
Silicon	(NA)	(NA)	14.4	8.7	2.4	2.8	(NA)	(NA)	65.5	57.0	34.3	47.8
Manganese	3.0	3.3	12.3	2.5	2.9	6.4	2.0	3.3	11.5	4.0	3.9	8.5
U.S. imports	(NA)	**927.3**	**1,149.1**	**1,515.6**	**843.0**	**1,009.6**	(NA)	**482.9**	**643.7**	**819.8**	**405.0**	**448.7**
Ferroalloys	385.5	913.6	1,115.9	1,474.9	810.2	973.1	60.5	466.0	585.9	756.0	383.0	403.3
Manganese alloys	305.5	451.9	683.5	800.3	554.8	481.4	33.3	151.4	240.8	276.4	176.0	133.3
Ferrosilicon	22.4	70.4	71.2	155.6	76.7	159.4	4.1	42.0	42.6	80.3	40.3	67.4
Chromium alloys	41.3	322.9	302.3	439.7	148.3	281.7	9.6	192.7	155.8	218.8	80.8	109.7
Metals	(NA)	13.7	33.2	40.7	32.8	36.5	(NA)	16.9	57.8	63.7	42.0	45.4
Silicon	(NA)	7.7	21.3	28.8	25.7	27.5	(NA)	6.2	21.4	30.7	26.7	26.4
Chromium	1.9	1.6	4.1	3.5	1.9	3.1	3.1	6.6	28.4	24.6	10.1	13.7
Manganese	1.3	4.4	7.9	8.3	5.2	6.0	.5	4.0	8.0	8.4	5.2	5.3

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes other not shown separately. [2] Includes fused-salt electrolytic law and medium-carbon ferromanganese.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1288. BERYLLIUM—SUMMARY: 1970 TO 1983

[**In short tons, except as indicated.** Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of other metals, including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating and reflecting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, computers, switching, and other electronic and electrical applications]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Imports for consumption	4,942	1,479	1,058	746	1,031	1,037	1,703	2,138	2,652	2,194
Consumption [1]	9,496	4,850	3,740	4,165	5,916	9,518	8,508	8,141	5,387	6,989
Price, per short ton unit BeO [2] (dollars)	35	32	36	40	40	47	69	94	121	126
Yearend stocks [1]	5,698	3,546	3,957	3,557	1,346	835	1,350	2,223	5,112	7,037
World production of beryl	6,857	3,290	2,553	2,844	2,888	2,642	2,823	3,198	3,414	3,189

[1] Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO. [2] Approximate. Imported cobbed beryl at port of exportation.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

1985

Section 28

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics, occupants, and financing; on public housing; and on nonresidential buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of unit and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes, and a special supplement which contains historical data, 1964 to 1980, as well as several tables showing data for 1915–1964; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Units Authorized by Building Permits and Public Contracts* covers approximately 16,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs.* Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies,* the quarterly *Market Absorption of Apartments,* the Annual Housing Survey and reports of the censuses of housing and of construction industries. *Construction Review,* published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents State data on construction contracts; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970–1979.* Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. In addition, the *Statistical Yearbook,* published by HUD through the 1979 issue, also contained housing data.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1982.

The 1982 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 388), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, and 1970 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, and 1.7 percent, respectively. The net undercount in the 1970 census is estimated at approximately 1.5 million housing units. Estimates for the 1980 Census were not available at the time of publication of this edition. The estimates for the various censuses are not strictly comparable due to differences in timing, procedures, and other factors. The census figures have not been adjusted to reflect the estimated undercounts.

The Annual Housing Survey (*Current Housing Reports,* series H–150 and H–170), which began in 1973, provides a current and ongoing series of data on selected housing and demographic charac-

teristics. It is based on a national sample and on separate samples for 60 SMSA's selected to represent a cross section of the housing stock in these areas. Annual Housing Survey estimates are subject to both sampling and nonsampling errors, therefore caution should be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1981, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

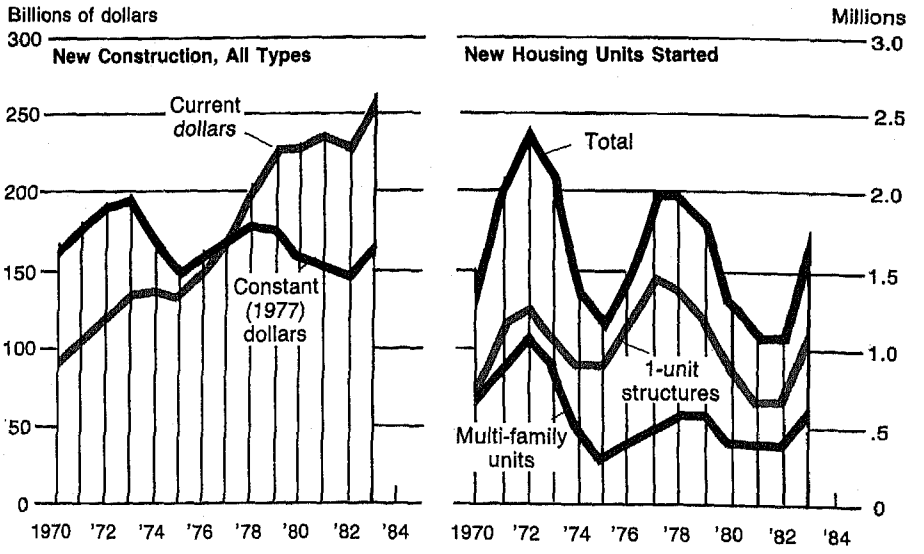
Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

Figure 28.1

New Construction—Value of Total Construction and Number of Housing Units Started: 1970 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1293, 1294, and 1301.

No. 1289. Construction Industries—Summary, by Industry: 1972 to 1982

[1982 preliminary. Based on a probability sample of about 167,000 construction establishments with payroll in 1972, 181,000 in 1977, and 172,000 in 1982; see Appendix III. N.e.c. = Not elsewhere classified]

Industry	Establishments with payroll (1,000)	Employees (1,000)		Payroll (mil. dol.)		Receipts (mil. dol.)		Value added [2] (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction [1]	
1972, total	**437.9**	**4,146**	**3,487**	**40,005**	**32,187**	**155,850**	**111,232**	**68,197**
Contract construction	430.0	4,063	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors	28.0	827	709	9,255	7,537	31,461	25,357	16,200
Special trade contractors	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
1977, total	**480.0**	**4,273**	**3,565**	**54,980**	**43,112**	**224,665**	**164,516**	**98,864**
Contract construction	474.9	4,234	3,548	54,566	42,963	221,622	163,463	98,116
General building contractors	156.0	1,181	963	13,537	10,041	69,787	48,262	25,040
Heavy construction contractors [3]	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Special trade contractors [3]	287.7	2,136	1,827	26,762	21,934	81,108	74,929	46,502
1982, total	**447.9**	**4,362**	**3,531**	**79,121**	**60,596**	**325,445**	**235,726**	**148,135**
Contract construction	441.9	4,320	3,515	78,527	60,432	321,797	234,380	146,979
General building contractors	121.3	1,067	822	17,595	12,163	118,695	60,618	35,946
Single-family houses	72.1	369	307	4,054	3,153	22,641	15,871	8,736
Other residential buildings	7.6	66	52	1,135	803	8,205	3,716	2,032
Operative builders	14.0	108	53	1,885	706	18,360	9,110	5,749
Industrial buildings and warehouses	7.4	161	128	3,407	2,494	18,829	9,691	6,006
Nonresidential buildings, n.e.c	20.2	363	282	7,115	5,007	50,660	22,230	13,422
Heavy construction contractors [3]	26.3	825	660	18,953	14,956	68,860	52,719	35,201
Highway and street construction	8.2	186	158	3,553	2,801	16,965	13,172	7,740
Water, sewer, and utility lines	9.3	189	162	3,601	2,924	12,259	10,575	7,105
Heavy construction, n.e.c	7.8	414	328	11,008	8,584	36,152	26,311	18,935
Special trade contractors [3]	294.3	2,429	2,013	41,979	33,314	134,242	121,043	75,833
Plumbing, heating, air-conditioning	59.8	511	397	9,857	7,474	33,468	28,803	16,933
Painting, paperhanging, decorating	24.9	137	122	1,894	1,604	4,762	4,466	3,415
Electrical work	38.5	444	360	9,152	7,375	26,286	25,069	15,142
Masonry and other stonework	20.1	120	109	1,550	1,343	4,329	4,042	2,663
Plastering, drywall, insulation	15.4	209	181	3,594	2,955	10,211	9,265	6,005
Carpentering	30.6	134	118	1,644	1,377	5,640	4,862	2,986
Roofing and sheet metal work	21.2	192	159	3,040	2,327	10,035	9,323	5,466
Concrete work	19.9	178	155	2,590	2,113	9,900	8,715	5,059
Excavating and foundation work	17.4	130	110	2,027	1,659	8,009	6,918	5,235
Installing building equipment, n.e.c	3.6	63	51	1,508	1,191	4,440	4,142	3,080
Special trade contractors, n.e.c	20.3	127	102	1,804	1,322	6,249	5,517	3,614
Subdividers and developers, n.e.c	6.0	42	16	595	164	3,648	1,346	1,156

[1] Construction receipts less payments for construction work subcontracted to others, not shown separately. [2] Total receipts less (*a*) payments for materials, components, and supplies, (*b*) payments for construction work subcontracted to others, not shown separately. [3] Includes other industries each with less than $2.5 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972, 1977,* and *1982,* series CC.

No. 1290. Construction Materials—Producer Price Indexes: 1970 to 1983

[**1967 = 100, except as noted.** For discussion of producer price index, see text, p. 465. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970,* series N 140-155]

Commodity	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
All materials	**112.5**	**160.9**	**174.0**	**187.7**	**204.9**	**228.3**	**251.4**	**266.4**	**283.0**	**288.0**	**297.7**
Softwood lumber: Douglas fir	108.7	213.7	212.0	250.7	291.4	339.7	383.9	353.0	311.8	266.2	361.5
Southern pine	114.7	184.5	175.3	217.4	262.5	304.6	324.2	297.4	291.6	285.9	319.9
Hardwood lumber	114.6	189.5	160.3	176.0	200.3	235.8	260.0	252.0	255.2	262.4	283.7
Millwork	116.0	157.1	160.4	176.9	193.7	235.4	254.3	260.4	273.4	279.4	302.3
Plywood	108.4	161.1	161.2	187.0	212.2	235.6	250.5	246.5	245.7	232.1	244.1
Building paper and board	101.0	123.5	127.1	138.8	157.0	187.4	182.4	206.2	231.7	239.5	250.0
Prepared paint	112.4	145.7	166.9	174.4	182.4	192.3	204.4	235.3	249.8	262.8	264.7
Finished steel products:											
Line pipe, carbon	113.2	189.8	227.8	234.6	260.5	296.6	303.4	336.3	394.2	416.8	406.4
Reinforcing bars [1]	42.9	78.2	77.4	70.9	72.2	80.9	101.4	106.7	107.0	99.7	92.4
Galvanized sheets and strip	34.0	50.4	58.7	63.6	69.2	75.3	83.8	86.1	97.9	100.0	106.3
Wire nails, 8d common	114.8	207.1	241.4	243.6	261.3	273.5	298.5	331.9	356.9	365.3	358.0
Nonferrous metal products	124.7	187.1	171.6	181.6	195.4	207.8	261.7	305.0	285.8	263.6	276.1
Aluminum drawn tube, 6,000 alloy [2]	100.7	139.4	159.9	163.1	174.1	189.7	216.1	242.2	265.9	282.9	285.5
Plumbing fixtures	111.2	149.1	162.3	174.1	186.6	199.1	217.1	246.7	267.5	278.7	289.3
Heating equipment	110.6	135.0	150.7	158.0	165.5	174.4	187.1	206.5	224.2	237.2	243.6
Metal doors, sash, trim	113.0	147.3	162.5	171.3	188.7	207.6	229.6	255.2	278.8	290.5	298.8
Concrete ingredients	112.6	148.7	172.3	186.7	199.0	217.7	244.0	274.0	296.3	310.0	313.3
Concrete products	112.2	151.7	170.5	180.1	191.8	214.0	244.1	273.9	291.2	297.8	302.0
Structural clay products	109.9	135.2	151.2	163.5	179.8	197.2	217.9	231.5	249.8	260.8	277.8
Gypsum products	99.7	137.6	144.0	154.4	183.5	229.1	252.3	256.3	256.2	256.1	286.0
Asphalt roofing	102.7	196.0	225.9	238.3	253.0	292.0	325.3	396.8	407.5	398.4	384.0
Insulation materials	123.2	156.5	196.2	212.6	235.9	250.7	256.3	287.9	(NA)	356.6	369.7

NA Not available. [1] June 1982 = 100. [2] Dec. 1969 = 100.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes,* monthly and annual.

No. 1291. Price and Cost Indexes for Construction: 1970 to 1983

[1977=100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118–137, for construction cost indexes on a 1947–49 base]

ITEM	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983
Price index for new one-family houses sold [1]	55.3	73.8	81.7	88.7	114.5	130.8	145.2	157.4	161.5	165.5
Construction cost indexes:										
Dept. of Commerce composite [2]	56.8	81.8	89.3	92.4	113.0	128.8	143.2	151.9	154.1	157.1
Federal Highway Admin.: Highways [3]	58.0	96.3	96.7	93.4	119.4	142.6	163.0	156.7	146.8	146.5
Environmental Protection Agency:										
Sewers	51.2	78.8	88.5	94.1	109.5	123.2	133.6	142.2	(NA)	(NA)
Sewage treatment plant	51.6	78.0	89.8	94.3	109.5	120.4	131.3	142.5	(NA)	(NA)
Federal Energy Regulatory Commission: Pipeline	54	76	93	98	112	121	133	145	147	149
American Appraisal Co.: Building construction [4]	57	80	86	94	109	118	125	132	(NA)	(NA)
Turner Construction Co.: Building construction [5]	62	91	95	97	106	118	131	144	156	164
E. H. Boeckh, building cost index: [6]										
Small residential structures	56.5	79.4	84.7	91.7	109.0	119.0	128.9	136.0	147.5	156.2
Apartments, hotels, and office buildings	57.5	77.9	85.6	92.4	106.5	114.7	125.1	137.4	150.0	159.6
Commercial and factory buildings	55.6	77.3	85.3	92.6	107.5	117.1	127.7	140.1	151.9	162.6
Engineering News-Record: [7] Building construction	54.1	78.0	84.6	92.3	108.4	117.8	125.9	135.9	144.7	154.4
General construction	53.8	78.4	85.8	93.1	107.7	116.5	125.6	137.3	148.5	157.8
Handy-Whitman public utility: [8] Building	53	84	93	95	109	121	135	142	142	146
Electric light and power [9]	52	75	88	94	106	116	127	139	146	151

NA Not available. [1] Includes value of site. [2] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [3] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [4] Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit. [5] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. [6] Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. [7] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 66.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [8] Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. [9] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*, bimonthly.

No. 1292. Value of New Construction Put in Place: 1960 to 1983

[In millions of dollars. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1–29 and N 66–69]

YEAR	CURRENT DOLLARS					CONSTANT (1977) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,738	38,875	22,975	10,149	15,863	(NA)	(NA)	(NA)	(NA)	(NA)
1965	74,096	52,034	27,934	16,509	22,062	169,981	118,136	62,738	37,834	51,845
1966	76,772	52,765	25,715	18,279	24,007	169,075	115,211	55,605	40,020	53,865
1967	78,452	52,916	25,568	17,589	25,536	166,876	111,552	53,544	36,937	55,124
1968	87,474	59,869	30,565	18,164	27,605	176,224	119,529	60,436	35,973	56,695
1969	94,271	66,318	33,200	21,153	27,952	176,604	123,210	61,314	38,441	53,394
1970	95,204	67,114	31,864	21,412	28,090	167,618	118,405	57581	35,692	49,213
1971	110,301	80,433	43,267	22,478	29,867	182,228	133,660	73,935	34,706	48,568
1972	124,421	94,248	54,288	24,036	30,173	193,998	147,589	86,701	35,294	46,409
1973	138,428	105,927	59,726	27,583	32,501	198,850	152,480	87,033	37,510	46,370
1974	139,221	100,886	50,376	29,637	38,334	170,289	126,032	66,393	33,379	44,258
1975	135,941	95,057	46,472	28,407	40,884	152,198	106,556	56,074	28,011	43,642
1976	151,084	111,961	60,520	26,091	39,123	163,457	122,083	67,737	27,642	41,374
1977	173,829	135,655	80,956	28,695	38,174	173,395	135,299	80,689	28,640	38,097
1978	205,561	159,665	93,424	36,293	45,896	181,987	141,171	81,226	32,224	40,816
1979	230,413	181,621	99,030	47,298	48,792	178,951	141,354	75,958	36,064	37,597
1980	230,712	175,699	87,261	52,434	55,013	161,098	123,559	60,911	35,444	37,539
1981	239,111	185,762	86,566	60,818	53,349	157,387	122,246	55,893	39,356	35,141
1982	230,068	179,090	74,810	65,134	50,978	149,284	115,693	47,234	41,872	33,601
1983	262,168	211,370	111,729	60,309	50,798	166,931	133,544	69,060	38,313	33,387

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C 30.

No. 1293. Value of New Construction Put in Place: 1970 to 1983

[In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	**95,204**	**135,941**	**151,084**	**173,829**	**205,561**	**230,413**	**230,712**	**239,111**	**230,068**	**262,168**
Average annual percent change [1]	5.2	7.4	11.1	15.1	18.3	12.1	.1	3.6	−3.8	14.0
Private	**67,114**	**95,057**	**111,961**	**135,655**	**159,665**	**181,621**	**175,699**	**185,762**	**179,090**	**211,370**
Percent of total	70.5	69.9	74.1	78.0	77.7	78.8	76.2	77.7	77.8	80.6
Residential buildings (incl. farm)	31,864	46,472	60,520	80,956	93,424	99,030	87,261	86,566	74,810	111,729
New housing units	24,272	34,408	47,277	65,749	75,808	78,587	63,139	62,664	51,916	86,102
Structures with—										
1 unit	14,754	27,423	40,049	55,271	62,385	60,790	45,662	44,401	35,663	62,623
2 or more units	9,518	6,986	7,228	10,478	13,422	17,798	17,476	18,263	16,253	23,479
Additions, alterations	6,234	10,925	12,308	14,209	16,349	18,236	21,125	20,025	18,673	20,260
Nonhousekeeping	1,358	1,139	935	998	1,267	2,206	2,997	3,876	4,221	5,366
Nonresidential buildings [2]	21,412	26,407	26,091	28,695	36,293	47,298	52,434	60,818	65,134	80,309
Industrial	6,537	8,018	7,183	7,712	10,994	14,950	13,837	17,030	17,343	12,861
Office	9,753	4,973	4,763	5,269	6,574	9,461	13,318	17,473	23,049	20,768
Other commercial		7,833	7,993	9,514	11,991	15,463	16,627	16,775	14,235	15,025
Hospital and institutional	2,529	3,209	3,396	3,290	3,347	3,530	4,046	4,907	5,875	6,559
Religious	929	867	956	1,046	1,248	1,548	1,637	1,665	1,543	1,780
Educational	864	567	660	660	729	806	1,175	1,171	1,356	1,412
Other nonresidential	800	939	1,140	1,203	1,410	1,540	1,794	1,798	1,733	1,905
Public utilities	11,017	17,379	20,301	20,272	23,455	28,253	29,480	32,499	34,199	33,507
Telephone, telegraph	2,968	3,683	3,777	4,345	5,418	6,343	6,733	7,074	7,110	6,471
Other public utilities	8,049	13,696	16,524	15,926	18,037	21,910	22,747	25,424	27,089	27,036
Electric light, power [3]	5,807	9,888	11,777	12,432	14,384	17,480	17,647	19,827	21,884	21,884
Gas	1,654	1,350	1,280	1,560	1,929	2,650	3,035	3,631	3,422	3,096
Railroads	304	514	580	737	1,190	1,189	1,256	1,224	1,406	1,599
Petroleum pipelines	284	1,944	2,887	1,197	534	591	809	742	377	457
Farm (nonresidential)	1,875	3,731	3,971	4,431	5,209	5,588	5,274	4,612	3,679	4,364
All other private	946	1,068	1,077	1,301	1,283	1,452	1,250	1,268	1,269	1,461
Public	**28,090**	**40,884**	**39,123**	**38,174**	**45,896**	**48,792**	**55,013**	**53,349**	**50,978**	**50,798**
Percent of total	29.5	30.1	25.9	22.0	22.3	21.2	23.8	22.3	22.2	19.4
Buildings	10,656	15,474	13,759	12,799	15,241	15,558	18,517	17,792	16,997	17,276
Educational	5,619	7,760	6,342	5,459	6,264	6,903	8,050	6,737	5,927	5,374
Hospital	838	1,745	1,870	1,733	1,822	1,646	1,785	2,083	1,991	2,098
Industrial	498	918	905	1,070	1,184	1,112	1,441	1,655	1,632	1,809
Housing, redevelopment	1,106	754	720	908	1,053	1,211	1,648	1,722	1,658	1,700
Other public buildings	2,594	4,296	3,922	3,629	4,919	4,684	5,593	5,595	5,789	6,295
Highways and streets	9,982	10,854	9,743	9,380	10,706	11,997	13,770	13,599	13,428	14,225
Conservation, development	1,907	3,257	3,742	3,862	4,457	4,587	5,090	5,300	5,027	4,820
Military facilities	717	1,389	1,630	1,429	1,502	1,647	1,880	1,964	2,205	2,544
Other public construction	4,827	9,911	10,248	10,704	13,989	15,002	15,755	14,693	13,320	11,933
Sewer systems	1,543	4,801	5,341	5,374	6,765	7,298	7,171	5,935	5,529	5,260
Water supply facilities	1,093	1,765	1,631	1,810	2,661	2,490	3,266	3,004	2,902	2,083
Miscellaneous	2,192	3,345	3,276	3,520	4,563	5,215	5,318	5,754	4,869	4,590
Public ownership:										
State and local government	24,798	34,566	32,106	30,855	37,497	40,227	45,372	42,935	40,834	40,158
Buildings	9,753	13,580	11,631	10,501	12,764	13,215	15,699	14,641	14,012	13,886
Highways and streets	9,728	10,547	9,404	8,984	10,285	11,468	13,314	12,848	12,774	13,675
Conservation, development	540	618	903	774	597	673	821	896	908	820
Other	4,777	9,821	10,167	10,595	13,851	14,872	15,538	14,550	13,139	11,777
Federal government	3,293	6,318	7,017	7,320	8,398	8,564	9,641	10,413	10,144	10,640
Conservation, development	1,367	2,638	2,839	3,088	3,860	3,915	4,270	4,404	4,119	4,000
Buildings	903	1,894	2,128	2,298	2,477	2,343	2,818	3,151	2,986	3,390
Military facilities	717	1,389	1,630	1,429	1,502	1,647	1,880	1,964	2,205	2,544
Misc. (incl. highways and streets)	305	397	420	505	559	659	673	894	835	707

[1] Change from prior year shown; for 1970, change from 1965. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Excludes building by privately owned public utilities.
[3] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1294. Value of New Construction Put in Place in Constant (1977) Dollars: 1970 to 1983

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-80S]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
New construction	**167,618**	**152,198**	**163,457**	**173,395**	**181,987**	**178,951**	**161,098**	**157,387**	**149,284**	**166,931**
Private	**118,405**	**108,556**	**122,083**	**135,299**	**141,171**	**141,354**	**123,559**	**122,246**	**115,683**	**133,544**
Percent of total	70.6	71.3	74.7	78.0	77.6	79.0	76.7	77.7	77.5	80.0
Residential buildings [1]	57,581	56,074	67,737	80,689	81,226	75,958	60,911	55,893	47,234	69,060
New housing units	43,873	41,506	52,884	65,472	65,891	60,268	44,080	40,484	32,779	53,207
Structures with—										
1 unit	26,656	33,051	44,797	55,016	54,223	46,630	31,858	28,686	22,525	38,695
2 or more units	17,217	8,455	8,087	10,456	11,668	13,638	12,223	11,798	10,254	14,512
Additions, alterations	11,252	13,190	13,805	14,218	14,231	14,003	14,739	12,911	11,791	12,536
Nonhousekeeping	2,456	1,378	1,049	1,000	1,104	1,687	2,092	2,497	2,664	3,317
Nonresidential buildings [2]	35,692	28,011	27,642	28,640	32,224	36,064	35,444	39,356	41,872	38,313
Industrial	10,895	8,506	7,812	7,698	9,734	11,425	9,360	11,018	11,150	8,174
Office	16,255	5,273	5,046	5,263	5,838	7,205	8,995	11,305	14,817	13,194
Other commercial		8,310	8,468	9,486	10,651	11,766	11,242	10,858	9,151	9,541
Hospital, institutional	4,217	3,404	3,597	3,290	2,991	2,702	2,734	3,176	3,776	1,130
Religious	1,550	920	1,013	1,044	1,107	1,180	1,106	1,078	991	897
Educational	1,442	601	699	659	649	614	793	758	872	1,167
Other nonresidential	1,334	996	1,207	1,199	1,255	1,172	1,214	1,164	1,114	1,210
Public utilities	20,328	19,376	21,365	20,249	21,927	23,943	22,792	23,175	23,366	22,422
Telephone, telegraph	5,050	4,181	3,954	4,340	5,136	5,436	5,243	5,117	4,908	4,352
Other public utilities	15,278	15,195	17,412	15,909	16,792	18,508	17,549	18,058	18,457	18,070
Electric light, power [3]	11,146	11,143	12,553	12,414	13,539	14,913	13,830	14,247	14,939	14,605
Gas	3,065	1,448	1,305	1,558	1,721	2,189	2,266	2,491	2,324	2,085
Railroads	541	547	609	734	1,060	917	849	809	938	1,072
Petroleum pipelines	526	2,057	2,945	1,203	472	489	604	511	256	308
Farm (nonresidential)	3,126	3,959	4,207	4,425	4,640	4,288	3,562	2,984	2,365	2,771
All other private	1,678	1,137	1,131	1,296	1,155	1,121	849	838	846	978
Public	**49,213**	**43,642**	**41,374**	**38,097**	**40,816**	**37,597**	**37,539**	**35,141**	**33,601**	**33,387**
Percent of total	29.4	28.7	25.3	22.0	22.4	21.0	23.3	22.3	22.5	20.0
Buildings	17,922	16,530	14,630	12,766	13,550	11,895	12,540	11,515	10,907	10,949
Educational	9,367	8,235	6,724	5,453	5,569	5,273	5,432	4,361	3,810	3,416
Hospital	1,399	1,852	1,981	1,734	1,630	1,261	1,205	1,348	1,280	1,333
Industrial	831	973	960	1,069	1,058	852	974	1,071	1,049	1,149
Housing, redevelopment	1,999	910	808	909	911	929	1,150	1,112	1,047	1,051
Other public buildings	4,325	4,559	4,157	3,624	4,382	3,580	3,779	3,621	3,721	4,000
Highways and streets	17,670	11,146	10,291	9,332	9,215	8,585	8,462	8,634	9,061	9,719
Conservation, development	3,406	3,603	3,914	3,855	4,104	3,821	3,821	3,666	3,329	3,166
Military facilities	1,243	1,489	1,734	1,431	1,331	1,248	1,251	1,271	1,437	1,640
Other public construction	8,972	10,874	10,805	10,690	12,616	12,047	11,465	10,057	8,867	7,913
Sewer systems	2,992	5,379	5,669	5,366	6,146	5,971	5,409	4,163	3,659	3,454
Water supply facilities	2,074	1,935	1,697	1,808	2,395	2,048	2,456	2,090	1,947	1,386
Miscellaneous	3,906	3,559	3,439	3,516	4,076	4,029	3,601	3,804	3,261	3,074

[1] Including farm. [2] Excludes building by privately owned public utilities. [3] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1295. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1975 to 1983, and by Type of Project, 1983

[In billions of dollars]

CONSTRUCTION STATUS	1975	1976	1977	1978	1979	1980	1981	1982	1983				
									Total	Industrial	Office building	Other commercial	Other [1]
Value of projects—													
Started	20.1	23.8	29.3	38.7	49.0	48.3	65.8	55.5	55.3	8.7	19.0	16.9	11.3
Completed	26.0	25.9	27.7	31.7	40.1	48.4	52.7	56.3	55.2	16.4	17.3	13.1	8.3
Under construction at year end	41.9	41.9	44.6	55.2	68.3	73.5	92.6	97.8	101.1	23.3	39.7	15.9	22.2

[1] Privately owned religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1296. Construction Contracts—Value of Construction, and Floor Space of Buildings, by Class of Construction: 1970 to 1983

[Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78–100]

Year	Total	Residential buildings	Nonresidential buildings: Total	Commercial [1]	Manufacturing	Educational [2]	Hospital	Public buildings	Religious	Social and recreational [3]	Nonbuilding construction
VALUE (bil. dol.)											
1970	68.3	24.8	24.6	9.1	3.7	5.3	2.8	1.0	.6	2.1	19.0
1971	80.2	34.7	25.5	9.6	2.6	5.6	3.2	1.5	.6	2.4	19.9
1972	91.2	45.4	27.1	11.5	3.0	4.8	3.5	1.5	.6	2.2	18.7
1973	99.3	45.7	31.4	12.8	4.8	5.1	3.3	2.0	.7	2.7	22.1
1974	93.7	33.6	33.2	11.8	5.6	6.3	3.8	2.1	.8	2.8	27.0
1975	92.7	31.3	31.6	9.2	6.8	5.9	3.7	2.1	.8	3.1	29.8
1976	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.9
1977	139.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	42.6
1978	159.9	74.9	45.0	20.6	9.2	5.7	3.6	1.5	1.2	3.0	39.9
1979	168.4	74.6	50.2	24.4	7.6	6.3	4.8	1.6	1.3	4.1	43.7
1980	148.4	63.7	52.5	24.8	8.4	6.8	5.3	1.6	1.2	4.4	32.2
1981	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	4.9	33.2
1982	156.2	59.2	59.6	28.2	9.5	6.1	7.8	1.9	1.2	4.8	37.4
1983	192.8	93.2	61.9	33.6	5.1	6.2	8.6	2.1	1.5	4.9	37.6
FLOOR SPACE (mil. sq. ft.)											
1970	2,938	1,781	1,157	530	212	195	75	29	27	89	(x)
1971	3,437	2,279	1,156	552	175	189	76	40	26	98	(x)
1972	4,082	2,823	1,260	647	211	157	84	38	27	96	(x)
1973	4,013	2,574	1,439	717	293	156	76	49	28	120	(x)
1974	2,938	1,657	1,282	594	246	176	75	47	27	117	(x)
1975	2,390	1,441	949	409	146	152	63	46	28	105	(x)
1976	2,819	1,867	952	440	152	118	71	42	31	99	(x)
1977	3,536	2,440	1,096	564	175	112	66	43	32	105	(x)
1978	4,101	2,815	1,286	758	219	104	53	22	35	96	(x)
1979	3,905	2,528	1,377	816	243	102	57	20	34	106	(x)
1980	3,092	1,892	1,200	688	216	95	54	18	28	101	(x)
1981	2,797	1,620	1,177	733	187	74	60	14	25	85	(x)
1982	2,442	1,497	945	571	119	74	70	19	25	68	(x)
1983	3,362	2,339	1,023	644	107	73	84	20	29	66	(x)

X Not applicable. [1] Includes nonindustrial warehouses. [2] Includes science. [3] Includes miscellaneous.

No. 1297. Construction Contracts—Value, by State: 1980 to 1983

[**In millions of dollars.** See headnote, table 1296. Represents value of construction in States in which work was actually done]

State	1980	1981	1982	1983: Total (incl. nonbldg.)	1983: Residential	1983: Nonresidential
U.S.	**148,393**	**153,480**	**156,240**	**192,751**	**93,201**	**61,905**
AL	1,918	1,880	2,011	2,787	1,302	1,028
AK	706	1,153	1,545	1,953	853	722
AZ	3,137	3,117	3,856	5,334	3,064	1,057
AR	1,324	1,269	1,585	1,542	901	353
CA	17,688	17,254	15,542	22,349	11,380	8,347
CO	2,791	4,419	4,147	4,719	2,588	1,572
CT	1,440	1,837	1,656	2,334	1,089	910
DE	305	554	375	473	181	131
DC	510	967	794	707	172	455
FL	12,847	12,124	10,820	14,398	8,627	4,343
GA	3,939	3,820	4,975	5,905	3,293	1,776
HI	1,216	927	931	712	359	205
ID	635	722	508	559	299	139
IL	5,313	4,781	4,696	6,020	2,338	2,242
IN	2,775	2,952	2,893	3,147	1,209	1,251
IA	1,540	1,264	1,280	1,533	614	474
KS	1,887	1,268	1,350	1,949	991	558
KY	2,185	3,432	2,611	2,681	1,241	801
LA	3,270	3,826	5,751	4,377	1,924	1,360
ME	538	428	495	625	322	163
MD	3,062	2,508	2,992	4,285	2,312	1,171
MA	2,712	3,262	2,891	3,841	1,653	1,573
MI	4,174	3,258	2,536	3,513	1,470	1,278
MN	2,746	2,658	2,985	4,177	1,574	940
MS	1,561	1,347	1,103	1,613	843	331
MO	2,613	2,496	2,391	3,345	1,526	1,196
MT	395	2,031	635	651	294	139
NE	830	763	1,028	978	374	266
NV	1,167	1,253	1,210	1,445	916	331
NH	477	547	544	789	452	183
NJ	3,790	3,569	3,676	5,490	2,687	2,039
NM	1,371	1,398	1,354	2,052	638	683
NY	5,860	6,457	6,999	8,309	2,606	3,357
NC	3,471	3,354	3,493	4,921	2,873	1,410
ND	456	516	3,096	581	275	120
OH	5,221	4,820	4,844	5,866	2,124	2,505
OK	2,300	2,803	3,179	4,230	2,410	894
OR	1,926	2,038	1,380	1,436	663	376
PA	5,246	4,910	4,503	4,848	2,211	1,655
RI	322	363	250	514	209	200
SC	2,522	2,124	2,222	2,634	1,514	773
SD	421	351	765	432	191	114
TN	2,789	2,520	2,537	3,557	1,828	1,137
TX	13,611	17,654	17,842	21,835	11,685	6,745
UT	1,116	1,804	3,320	3,765	778	455
VT	258	251	364	376	235	52
VA	3,451	3,426	3,592	5,127	2,832	1,616
WA	4,795	3,588	3,395	3,650	1,704	1,210
WV	855	719	763	871	286	190
WI	2,269	2,095	1,805	2,639	1,075	884
WY	644	601	721	879	220	194

Source of tables 1296 and 1297: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge Construction Potentials*.

No. 1298. Value of Private Construction Authorized by Building Permits: 1974 to 1983

[In billions of dollars. "14,000 and 16,000 place" series are based on U.S. total of approximately 14,000 and 16,000 places identified in 1972 and 1976, respectively, with local building permit systems]

Type of construction	14,000 places					16,000 places					
	1974	1975	1976	1977	1978	1978	1979	1980	1981	1982	1983
Total	**50.9**	**47.4**	**64.2**	**82.9**	**96.6**	**101.6**	**107.4**	**102.1**	**103.7**	**98.5**	**127.5**
New housing units	*23.5*	*23.9*	*35.5*	*50.0*	*55.4*	*58.9*	*56.3*	*47.2*	*41.9*	*40.5*	*69.3*
In structures with—											
1 unit	16.8	19.8	29.0	40.0	43.2	46.3	42.6	33.1	28.7	27.4	49.1
2-4 units	1.0	1.1	1.8	2.6	3.0	3.1	3.3	3.3	3.2	2.7	4.3
5 units or more	5.7	3.0	4.7	7.4	9.3	9.6	10.4	10.8	10.0	10.4	15.8
New nonhousekeeping residential buildings	.9	.7	1.6	1.0	1.3	1.3	1.6	1.6	2.0	2.6	3.1
New nonresidential buildings	20.5	16.2	19.2	23.7	30.8	32.2	38.3	34.8	39.3	34.8	37.1
Industrial buildings	4.5	3.0	3.9	5.5	7.4	7.8	9.3	8.0	7.9	6.1	5.8
Office buildings	3.9	3.0	3.1	4.3	6.6	6.8	9.1	9.9	14.6	12.9	12.6
Stores and other mercantile	4.3	3.4	4.3	5.7	7.3	7.6	9.0	6.7	6.2	5.5	7.4
Hospitals and other institutional	2.0	2.0	2.4	2.0	2.1	2.1	2.3	1.6	1.7	2.0	2.4
All other nonresidential	5.8	4.8	5.4	6.1	7.4	7.9	8.7	8.7	8.9	8.3	8.9
Additions and alterations	6.0	6.6	7.7	8.2	9.1	9.2	11.2	18.5	20.5	20.6	23.4

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review.*

No. 1299. New Privately Owned Housing Units Authorized by States: 1981 to 1983

[Based on about 16,000 places in U.S. having building permit systems]

State	Housing units (1,000)			Valuation (mil. dol.)		
	1981	1982	1983	1981	1982	1983
U.S.	**985.5**	**1,000.5**	**1,605.2**	**41,910**	**40,492**	**69,278**
AL	9.9	8.7	17.3	282	229	481
AK	4.5	8.2	11.2	340	529	731
AZ	33.4	36.5	64.0	1,202	1,231	2,317
AR	4.6	6.3	10.0	162	196	328
CA	104.2	85.0	171.9	6,350	5,003	10,256
CO	29.4	31.8	51.3	1,351	1,303	2,126
CT	9.3	10.3	15.7	399	436	744
DE	2.3	3.0	3.6	81	100	144
DC	1.0	.4	.2	42	12	9
FL	146.2	103.8	189.0	5,807	4,052	7,389
GA	30.0	38.7	65.9	1,018	1,387	2,367
HI	6.3	5.7	4.8	426	309	291
ID	3.4	2.5	4.2	154	119	201
IL	16.4	19.0	29.8	775	910	1,610
IN	13.9	12.5	16.0	541	465	760
IA	5.6	5.3	7.0	221	196	285
KS	8.2	8.6	14.2	362	350	664
KY	7.6	7.5	11.7	269	249	422
LA	19.6	20.3	33.8	674	671	1,119
ME	2.5	3.1	4.2	93	116	169
MD	17.0	21.0	39.6	727	913	1,736
MA	16.7	15.4	22.8	712	720	1,180
MI	18.8	14.2	21.4	817	587	1,006
MN	17.3	18.8	24.8	840	909	1,321
MS	5.5	6.2	9.6	168	190	313
MO	9.9	11.5	18.7	361	436	807
MT	1.9	2.0	3.0	68	71	131
NE	3.8	3.6	5.5	138	128	217
NV	10.3	8.1	16.0	371	293	572
NH	4.4	4.5	7.7	189	177	318
NJ	20.7	21.3	35.9	1,005	992	1,802
NM	8.0	8.6	10.7	324	346	489
NY	26.2	25.0	37.9	1,049	1,097	1,658
NC	34.1	33.1	53.9	1,155	1,136	2,004
ND	2.2	2.8	4.4	83	105	167
OH	21.8	16.6	26.6	960	725	1,332
OK	15.0	28.7	40.1	775	1,249	1,593
OR	12.9	7.5	8.6	588	347	483
PA	24.3	22.2	33.2	956	880	1,424
RI	3.1	2.6	3.8	98	81	143
SC	16.9	18.0	29.8	704	652	1,124
SD	1.5	1.2	2.5	50	42	94
TN	11.7	14.8	26.6	398	483	986
TX	135.8	201.2	276.2	5,252	6,903	10,464
UT	8.7	7.5	14.7	439	338	672
VT	2.6	2.2	2.9	92	89	116
VA	29.7	29.9	53.8	1,102	1,219	2,236
WA	24.4	17.6	27.2	1,160	860	1,537
WV	2.4	1.8	1.8	77	58	61
WI	14.2	12.3	17.0	551	481	759
WY	4.1	2.9	2.8	152	121	117

Source: U.S. Bureau of the Census, *Construction Reports,* series C40, annual.

No. 1300. New Housing Units Started: 1960 to 1984

[Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series N 156-159]

Year	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)
			Total	1-unit structures	
1960	1,296	[1] −16.6	1,252	995	44
1961	1,365	5.3	1,313	974	52
1962	1,492	9.3	1,463	991	30
1963	1,635	9.6	1,603	1,012	32
1964	1,561	−4.5	1,529	970	32
1965	1,510	−3.3	1,473	964	37
1966	1,196	−20.8	1,165	779	31
1967	1,322	10.5	1,292	844	30
1968	1,545	16.9	1,508	899	36
1969	1,500	−2.9	1,467	811	33
1970	1,469	−2.1	1,434	813	35
1971	2,085	41.9	2,052	1,151	32
1972	2,379	14.1	2,357	1,309	22
1973	2,057	−13.5	2,045	1,132	12
1974	1,353	−34.4	1,338	888	15
1975	1,171	−13.4	1,160	892	11
1976	1,548	32.2	1,538	1,162	10
1977	2,002	29.8	1,987	1,451	15
1978	2,036	1.7	2,020	1,433	16
1979	1,760	−13.6	1,745	1,194	15
1980	1,313	−25.4	1,292	852	20
1981	1,100	−16.2	1,084	705	16
1982	1,072	−2.6	1,062	663	10
1983	1,712	59.7	1,703	1,068	9
1983, Jan.-Aug.[2]	(NA)	(NA)	1,708	1,081	(NA)
1984, Jan.-Aug.[2] [3]	(NA)	(NA)	1,860	1,146	(NA)

NA Not available. [1] Change from 1959. [2] Average seasonally adjusted annual rate. [3] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports,* series C20.

No. 1301. New Housing Units Started—Selected Characteristics: 1970 to 1983

[In thousands. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 156–163 and 170]

CHARACTERISTIC	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total housing units started	**1,469**	**2,085**	**2,379**	**2,057**	**1,353**	**1,171**	**1,548**	**2,002**	**2,036**	**1,760**	**1,313**	**1,100**	**1,072**	**1,712**
Publicly owned units	35	32	22	12	15	11	10	15	16	15	20	16	10	9
Privately owned units [1]	1,434	2,052	2,357	2,045	1,338	1,160	1,538	1,987	2,020	1,745	1,292	1,084	1,062	1,703
With FHA aid [2]	421	528	371	163	95	98	144	176	178	178	177	145	152	128
With VA aid [2]	61	94	104	86	73	77	100	131	127	122	95	75	73	107
1 unit structures	813	1,151	1,309	1,132	888	892	1,162	1,451	1,433	1,194	852	705	663	1,068
2–4 unit structures	85	120	141	118	68	64	86	122	125	122	110	91	80	113
5 or more unit structures	536	781	906	795	382	204	289	414	462	429	331	288	320	522
Northeast	218	264	330	277	183	149	169	202	200	178	125	117	117	168
Midwest	294	434	443	440	317	294	400	465	451	349	218	165	149	218
South	612	869	1,057	899	553	442	569	783	824	748	643	562	591	935
West	311	486	527	429	285	275	400	538	545	471	306	240	205	382
Inside SMSA's [3]	1,018	1,502	1,720	1,495	923	760	1,044	1,377	1,432	1,241	914	760	785	1,351
Outside SMSA's [3]	416	550	636	550	415	400	494	610	588	505	379	324	277	352
Condominium units [4]	(NA)	(NA)	(NA)	241	176	65	94	118	155	199	185	181	170	276
Single-family units	(NA)	(NA)	(NA)	69	46	20	30	41	42	43	35	36	40	77
Multifamily units	(NA)	(NA)	(NA)	172	130	45	64	77	113	156	150	145	130	199
Mobile home [5] shipments to dealers	**401**	**497**	**576**	**567**	**329**	**213**	**246**	**277**	**276**	**277**	**222**	**241**	**240**	**296**

NA Not available. [1] For 1970–1976, characteristics such as type of structure, region, and inside/outside SMSA's include data for publicly owned units. [2] Source: U.S. Department of Housing and Urban Development, 1970–1979, *HUD Statistical Yearbook;* thereafter unpublished data. [3] For definition of standard metropolitan statistical area (SMSA), see text, Appendix II. 1970–1975 based on 1967 definitions as amended through 1974; thereafter, on 1974 definitions as amended through 1975. [4] Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community, includes a small number of cooperatively-owned units. [5] See table 1307 for definition.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports,* series C20. Mobile home shipments data provided by Manufactured Housing Institute through 1977; thereafter, by the National Conference of States on Building Codes and Standards.

No. 1302. New Privately-Owned Housing Units Started, By State: 1981 to 1983

[In thousands of units. Minus sign (–) indicates decrease]

REGION, DIVISION AND STATE	NUMBER			PERCENT CHANGE	
	1981	1982	1983, prel.	1981–1982	1982–1983
United States	**1,085.0**	**1,062.0**	**1,688.3**	**–2.1**	**59.0**
Region:					
Northeast	117.0	117.0	176.5	–	50.9
Midwest	166.0	148.0	214.1	–10.8	44.7
South	562.0	591.2	926.8	5.2	56.8
West	240.0	205.8	370.9	–14.3	80.2
New England	**40.8**	**42.3**	**64.2**	**3.7**	**51.8**
Maine	4.0	4.4	4.8	10.3	9.6
New Hampshire	5.3	5.6	8.4	5.5	52.2
Vermont	4.0	2.9	6.3	–26.3	115.2
Massachusetts	15.9	16.0	24.2	.6	51.7
Rhode Island	2.8	2.8	3.9	–.1	40.4
Connecticut	8.8	10.6	16.6	19.9	57.1
Middle Atlantic	**76.3**	**74.8**	**112.1**	**–2.0**	**49.9**
New York	27.9	27.1	37.0	–2.7	36.4
New Jersey	19.5	21.7	38.3	11.3	76.7
Pennsylvania	28.9	26.0	36.8	–10.2	41.9
East North Central	**99.9**	**82.9**	**121.0**	**–17.0**	**46.0**
Ohio	28.0	19.9	30.0	–29.0	51.1
Indiana	16.9	14.0	19.0	–16.9	35.7
Illinois	19.4	20.2	30.9	4.0	52.5
Michigan	19.7	14.9	23.0	–24.6	54.8
Wisconsin	15.9	13.9	18.1	–12.7	30.1
West North Central	**66.0**	**65.1**	**93.0**	**–1.4**	**42.9**
Minnesota	20.8	21.7	27.7	3.9	28.1
Iowa	7.6	6.9	8.4	–9.2	21.4
Missouri	15.7	15.2	24.2	–3.5	59.1
North Dakota	3.2	4.0	5.5	25.0	39.4
South Dakota	2.6	1.9	2.9	–25.1	50.9
Nebraska	5.2	4.6	7.4	–10.5	60.1
Kansas	10.9	10.8	16.9	–.9	56.4
South Atlantic	**288.5**	**248.8**	**409.2**	**–15.8**	**64.5**
Delaware	2.3	2.8	3.4	23.8	21.3
South Atlantic—Con.					
Maryland	16.9	20.3	35.8	19.9	76.6
District of Columbia	.9	.3	.3	–62.4	–19.1
Virginia	29.4	29.9	51.1	1.7	70.7
West Virginia	5.2	2.2	2.7	–58.2	21.6
North Carolina	36.7	32.8	49.5	–10.7	51.0
South Carolina	18.8	17.9	25.8	–4.7	44.2
Georgia	37.3	42.5	70.1	14.0	64.9
Florida	141.0	100.1	170.5	–29.0	70.3
East South Central	**55.1**	**40.1**	**80.6**	**–27.4**	**101.0**
Kentucky	12.0	8.4	15.8	–30.4	88.4
Tennessee	17.0	15.8	34.8	–7.2	120.1
Alabama	17.0	9.0	18.2	–47.0	101.9
Mississippi	9.1	6.9	11.8	–24.6	71.3
West South Central	**218.4**	**302.3**	**437.1**	**38.4**	**44.6**
Arkansas	9.0	6.7	12.0	–25.5	80.0
Louisiana	25.3	22.4	36.8	–11.4	64.3
Oklahoma	21.2	34.8	53.4	64.5	53.5
Texas	162.9	238.4	334.9	46.3	40.4
Mountain	**95.4**	**91.7**	**162.6**	**–4.2**	**77.3**
Montana	1.8	1.8	2.7	.5	48.4
Idaho	3.8	2.3	3.9	–38.4	70.2
Wyoming	3.9	2.8	3.3	–28.8	19.1
Colorado	28.2	29.3	51.4	3.8	75.4
New Mexico	7.4	7.9	10.1	6.3	28.2
Arizona	32.0	33.3	63.2	3.9	90.0
Utah	8.6	6.8	12.3	–20.8	81.0
Nevada	9.7	7.5	15.7	–23.2	110.3
Pacific	**144.4**	**114.2**	**208.2**	**–20.9**	**82.3**
Washington	23.2	15.7	27.5	–32.5	75.0
Oregon	12.3	7.0	9.4	–43.1	33.9
California	98.7	77.9	151.7	–21.1	94.9
Alaska	4.4	8.6	13.4	94.8	56.6
Hawaii	5.8	5.0	6.2	–14.2	23.0

– Represents zero.

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Forecasting Service.

No. 1303. Characteristics of New Privately Owned One-Family Houses Completed: 1970 to 1983

[**Percent distribution, except as indicated.** *Data beginning 1975 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported*]

CHARACTERISTIC	1970	1975	1980	1982	1983
Total houses (1,000)	793	875	957	632	924
Financing	100	100	100	100	100
Mortgage	84	82	81	77	81
FHA-insured	30	9	16	20	20
VA-guaranteed	7	8	8	7	9
Conventional	47	58	55	45	50
Farmers Home Administration		7	3	4	2
Cash or equivalent	16	18	18	23	19
Floor area	100	100	100	100	100
Under 1,200 sq. ft.	36	25	21	25	22
1,200–1,599 sq. ft.	28	30	29	30	31
1,600–1,999 sq. ft.	16	34	22	19	21
2,000–2,399 sq. ft.	21		13	11	12
2,400 sq. ft. and over		11	15	15	15
Average (sq. ft.)	1,500	1,645	1,740	1,710	1,725
Median (sq. ft.)	1,385	1,535	1,595	1,520	1,565
Number of stories	100	100	100	100	100
1	74	65	60	61	58
2 or more	17	23	31	33	36
Split level	10	12	8	6	6
Bedrooms	100	100	100	100	100
2 or less	13	14	17	24	24
3	63	65	63	58	59
4 or more	24	21	20	18	18
Bathrooms	100	100	100	100	100
1 or less	32	24	18	22	18
1½	20	17	10	11	10
2	32	40	48	45	48
2½ or more	16	20	25	22	24
Foundation	100	100	100	100	100
Full or partial basement	37	45	36	31	32
Slab	36	35	45	49	51
Crawl space	27	20	19	20	17
Heating fuel	100	100	100	100	100
Electricity	28	49	50	50	49
Gas	62	40	41	40	43
Oil	8	9	3	3	2
Other	1	2	5	8	6
Central air-conditioning	100	100	100	100	100
With	34	46	63	66	70
Without	66	54	37	34	30
Parking facilities	100	100	100	100	100
Garage	58	67	69	65	68
Carport	17	9	7	8	7
No garage or carport	25	24	24	27	25

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1304. New Privately Owned One-Family Houses Sold, by Region and Type of Financing 1970 to 1983, and by Sales Price, 1983

[**In thousands.** Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For *composition of regions, see fig. I, inside front cover*]

YEAR AND SALES-PRICE GROUP	NUMBER SOLD					FINANCING TYPE			
	Total	Northeast	Midwest	South	West	Conventional	FHA and VA	Farmers Home Administration	Cash
1970	485	61	100	203	121	[1] 213	244	([1])	27
1971	656	82	127	270	176	[1] 314	314	([1])	28
1972	718	96	130	305	187	[1] 447	242	([1])	30
1973	634	95	120	257	161	[1] 465	134	([1])	34
1974	519	69	103	207	139	[1] 378	112	([1])	28
1975	549	71	106	222	150	363	122	43	22
1976	646	72	128	247	199	458	134	23	31
1977	819	86	162	317	255	592	166	24	38
1978	817	78	145	331	262	575	174	26	43
1979	709	67	112	304	225	469	186	18	36
1980	545	50	81	267	145	302	196	14	32
1981	436	46	60	219	112	244	142	14	36
1982	412	47	48	219	99	193	173	11	34
1983	623	76	71	323	152	350	217	8	49
Under $50,000	65	6	8	44	7	27	26	7	5
$50,000 to $59,999	84	9	8	51	16	37	40	(S)	6
$60,000 to $69,999	109	9	11	64	25	46	56	(S)	7
$70,000 to $79,999	95	12	9	48	27	45	43	(S)	7
$80,000 to $99,999	113	16	11	53	32	68	36	(S)	8
$100,000 to $119,999	49	8	7	20	14	36	9	(S)	4
$120,000 and over	108	16	17	44	31	90	7	(S)	11

S Estimate does not meet publication standards. [1] Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1305. Median Sales Price of New Privately Owned One-Family Houses Sold, by Region: 1965 to 1983

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
1965	20,000	21,500	21,600	17,500	21,600	1975	39,300	44,000	39,600	37,300	40,600
1966	21,400	23,500	23,200	18,200	23,200	1976	44,200	47,300	44,800	40,500	47,200
1967	22,700	25,400	25,100	19,400	24,100	1977	48,800	51,600	51,500	44,100	53,500
1968	24,700	27,700	27,400	21,500	25,100	1978	55,700	58,100	59,200	50,300	61,300
1969	25,600	31,600	27,600	22,800	25,300	1979	62,900	65,500	63,900	57,300	69,600
1970	23,400	30,300	24,400	20,300	24,000	1980	64,600	69,500	63,400	59,600	72,300
1971	25,200	30,600	27,200	22,500	25,500	1981	68,900	76,000	65,900	64,400	77,800
1972	27,600	31,400	29,300	25,800	27,500	1982	69,300	78,200	68,900	66,100	75,000
1973	32,500	37,100	32,900	30,900	32,400	1983 [1]	75,300	82,200	79,500	70,900	80,100
1974	35,900	40,100	36,100	34,500	35,800						

[1] 1984, U.S. total: 1st qtr., $78,200, 2d qtr., $80,600.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1306. Existing One-Family Houses Sold and Price, by Region: 1970 to 1983

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

REGION	Unit	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Houses sold, U.S.	1,000	**1,612**	**2,252**	**2,334**	**2,272**	**2,476**	**3,064**	**3,650**	**3,986**	**3,827**	**2,973**	**2,419**	**1,990**	**2,719**
Northeast	1,000	251	361	367	354	370	439	515	516	526	403	353	354	493
Midwest	1,000	501	630	674	645	701	881	1,101	1,144	1,061	806	632	490	709
South	1,000	568	788	847	839	862	1,033	1,231	1,416	1,353	1,092	917	760	1,035
West	1,000	292	473	446	434	543	712	803	911	887	672	516	366	481
Median sales price, U.S.	$1,000	**23.0**	**26.7**	**28.9**	**32.0**	**35.3**	**38.1**	**42.9**	**48.7**	**55.7**	**62.2**	**66.4**	**67.8**	**70.3**
Northeast	$1,000	25.2	29.8	32.8	35.8	39.3	41.8	44.4	47.9	53.6	60.8	63.7	63.5	72.2
Midwest	$1,000	20.1	23.9	25.3	27.7	30.1	32.9	36.7	42.2	47.8	51.9	54.3	55.1	56.6
South	$1,000	22.2	26.4	29.0	32.3	34.8	36.5	39.8	45.1	51.3	58.3	64.4	67.1	69.2
West	$1,000	24.3	28.4	31.0	34.8	39.6	46.1	57.3	66.7	77.4	89.3	96.2	98.9	94.9

Source: National Association of REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

No. 1307. New Mobile Homes Placed for Residential Use and Average Sales Price, by Region: 1974 to 1983

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, inside front cover]

REGION	Unit	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Units placed, U.S.	1,000	**332.0**	**229.3**	**249.6**	**257.5**	**279.9**	**279.9**	**233.7**	**229.2**	**234.1**	**278.1**
Northeast	1,000	23.3	14.7	16.8	16.7	17.4	16.9	12.3	12.0	12.4	16.3
Midwest	1,000	67.5	48.5	51.5	50.7	49.5	47.3	32.3	30.1	25.6	34.3
South	1,000	170.8	110.8	114.8	112.5	135.3	145.2	140.3	143.5	161.1	186.0
West	1,000	70.4	55.2	66.5	77.7	77.7	70.5	48.7	43.6	35.0	41.4
Average sales price, U.S.	$1,000	**9.3**	**10.6**	**12.3**	**14.2**	**15.9**	**17.6**	**19.8**	**19.9**	**19.7**	**21.0**
Northeast	$1,000	9.4	10.5	11.6	12.9	14.3	15.8	18.5	19.0	19.8	21.4
Midwest	$1,000	9.3	10.7	11.6	13.5	15.1	16.1	18.6	18.9	20.0	20.4
South	$1,000	8.3	9.0	10.6	12.1	13.7	15.6	18.2	18.4	18.5	19.7
West	$1,000	11.6	13.6	16.0	18.1	20.6	23.1	25.4	25.6	24.7	27.0

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1308. Gross Housing Product—Summary: 1970 to 1983

[In billions of dollars, except percent. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
CURRENT DOLLARS											
Total value of housing output [1]	90.3	132.6	144.5	160.5	179.3	202.0	227.0	256.3	291.2	322.1	350.8
Percent of GNP [2]	9.1	9.2	9.3	9.3	9.3	9.3	9.4	9.7	9.8	10.5	10.6
Nonfarm housing	87.3	127.9	139.1	154.5	172.1	193.8	217.3	245.1	279.0	309.3	338.4
Owner-occupied	61.3	91.1	99.5	111.1	124.7	141.2	159.9	181.4	206.8	229.3	250.6
Tenant-occupied	26.0	36.8	39.5	43.4	47.4	52.6	57.4	63.7	72.2	80.0	87.8
Farm housing	3.0	4.7	5.4	6.0	7.3	8.2	9.8	11.1	12.2	12.9	12.4
Less: Intermediate goods and services consumed	12.4	19.9	22.4	25.9	27.8	32.6	36.8	40.6	43.3	45.2	47.7
Equals: Gross housing product	77.9	112.7	122.1	134.6	151.5	169.5	190.3	215.6	247.9	276.9	303.1
CONSTANT (1972) DOLLARS											
Total value of housing output [1]	98.1	119.9	123.8	130.1	136.5	143.5	149.6	154.8	159.8	162.6	166.3
Nonfarm housing	94.5	116.6	120.6	127.1	133.5	140.7	147.0	152.4	157.7	160.7	164.7
Owner-occupied	66.4	83.1	86.3	91.4	96.8	102.5	108.2	112.8	116.9	119.2	122.0
Tenant-occupied	28.1	33.5	34.3	35.7	36.8	38.2	38.8	39.6	40.8	41.6	42.7
Farm housing	3.7	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.1	1.8	1.6
Less: Intermediate goods and services consumed	13.5	17.9	19.0	20.9	20.9	22.8	23.8	23.8	23.0	22.1	22.0
Equals: Gross housing product	84.6	102.0	104.8	109.3	115.6	120.8	125.8	131.0	136.8	140.5	144.4

[1] Equals personal consumption expenditures (see text, pages 427 and 428) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing. [2] GNP=Gross national product.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76*, and *Survey of Current Business*, July issues.

No. 1309. Residential Capital—Stocks and Average Age: 1960 to 1983

[As of Dec. 31. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 892. See also *Historical Statistics, Colonial Times to 1970*, series F 528–534 and N 200–223]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
	CAPITAL IN CURRENT DOLLARS (bil. dol.)												
Gross stocks [1]	664	796	1,163	1,862	2,017	2,274	2,627	3,135	3,494	3,852	4,211	4,292	4,522
Private nonfarm: 1–4 units	552	651	931	1,446	1,567	1,771	2,052	2,455	2,735	3,013	3,294	3,353	3,534
5 or more units	46	69	122	239	259	292	336	402	452	502	554	569	606
Farm (1–4 units)	41	41	52	71	75	82	91	106	114	122	130	129	131
Private nonhousekeeping	5	7	10	14	14	16	18	20	22	23	25	25	25
Mobile homes	4	6	15	34	37	42	49	57	66	73	78	82	86
Public: Federal, State and local	12	17	26	46	49	54	62	73	81	90	99	101	106
Net stocks [1 2]	418	514	754	1,224	1,319	1,484	1,716	2,048	2,281	2,505	2,727	2,761	2,905
Private nonfarm: 1–4 units	357	426	605	940	1,016	1,149	1,336	1,601	1,784	1,960	2,135	2,161	2,275
5 or more units	26	46	87	180	194	216	248	295	330	365	400	407	432
Farm (1–4 units)	18	18	22	29	31	34	38	44	47	51	53	53	53
Private nonhousekeeping	2	4	7	8	9	9	10	11	12	12	13	12	13
Mobile homes	3	4	10	23	24	27	30	34	38	41	43	43	45
Public: Federal, State and local	10	13	20	34	36	39	43	51	55	61	66	67	69
	CAPITAL IN CONSTANT (1972) DOLLARS (bil. dol.)												
Gross stocks [1]	941	1,102	1,262	1,446	1,474	1,511	1,556	1,602	1,644	1,679	1,711	1,737	1,777
Private nonfarm: 1–4 units	786	905	1,012	1,121	1,144	1,174	1,211	1,247	1,279	1,306	1,330	1,348	1,379
5 or more units	65	96	132	185	189	193	198	204	211	218	224	229	236
Farm (1–4 units)	59	58	56	55	54	54	54	54	53	53	52	52	51
Private nonhousekeeping	7	9	11	11	11	10	10	10	10	10	10	10	10
Mobile homes	3	6	14	27	28	30	32	34	36	38	39	40	41
Public: Federal, State and local	17	23	28	35	35	35	36	36	37	38	38	39	40
Net stocks [1 2]	593	711	818	950	964	986	1,016	1,046	1,072	1,091	1,107	1,116	1,140
Private nonfarm: 1–4 units	508	591	657	729	742	762	788	814	835	850	862	869	888
5 or more units	37	64	95	140	142	143	146	150	154	158	161	164	168
Farm (1–4 units)	26	25	24	23	22	22	22	22	22	22	22	21	21
Private nonhousekeeping	3	6	7	6	6	6	6	6	6	5	5	5	5
Mobile homes	2	4	10	18	19	19	20	20	21	21	21	21	22
Public: Federal, State and local	14	18	21	26	26	25	25	25	25	25	26	26	26
	AVERAGE AGE [3] (years)												
Gross stocks [1]	26.1	26.6	25.9	24.8	24.9	24.9	24.7	24.6	24.6	24.6	24.8	25.0	25.0
Private nonfarm: 1–4 units	27.5	26.7	26.6	26.3	26.4	26.3	26.1	25.9	25.9	26.0	26.1	26.3	26.3
5 or more units	27.9	21.3	18.3	15.6	16.0	16.4	16.7	16.9	17.1	17.3	17.6	17.9	18.1
Farm (1–4 units)	45.0	45.5	45.9	46.0	46.0	46.0	45.8	45.6	45.4	45.4	45.5	45.5	45.8
Private nonhousekeeping	21.8	15.9	14.6	16.1	16.5	17.0	17.5	18.1	18.7	19.3	19.9	20.4	21.0
Mobile homes	4.7	5.0	4.7	4.9	5.4	5.8	6.2	6.4	6.7	7.1	7.4	7.7	7.8
Federal	15.1	15.7	19.6	17.7	18.9	20.2	21.0	21.7	22.7	23.1	23.6	24.1	24.3
State and local	9.8	11.7	13.2	15.0	15.7	16.5	17.2	17.8	18.4	18.9	19.3	19.9	20.4

[1] Includes equipment, not shown separately. [2] Based on straight-line depreciation. [3] Constant-dollar stocks.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925–79*, *Survey of Current Business*, February 1981, October 1982, August 1983 and August 1984.

No. 1310. Housing Units—Summary of Characteristics: 1960 to 1983

[In thousands, except as indicated. As of April, except 1983 as of fall. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

Characteristic	1960	1970	1980	1983 Total	1983 Regions: Northeast	Midwest	South	West
All housing units	**58,326**	**68,672**	**88,411**	**93,519**	**20,053**	**23,874**	**31,150**	**18,443**
All year-round units	56,584	67,699	86,693	91,675	19,352	23,421	30,700	18,201
Occupied units	53,024	63,445	80,390	84,638	18,221	21,618	27,931	16,868
Owner occupied	32,797	39,886	51,795	54,724	11,009	14,935	18,825	9,955
Percent of all occupied	61.9	62.9	64.4	64.7	60.4	69.1	67.4	59.0
Renter occupied	20,227	23,560	28,595	29,914	7,212	6,683	9,106	6,912
Vacant year-round	3,560	4,254	6,303	7,037	1,131	1,803	2,769	1,334
For sale only	522	501	948	955	120	275	364	196
Homeowner vacancy rate	1.6	1.2	1.8	1.7	1.1	1.8	1.9	1.9
For rent	1,453	1,666	2,179	1,906	303	470	753	381
Rental vacancy rate	6.7	6.8	7.1	5.9	4.0	6.4	7.5	5.1
Other vacant	1,084	2,087	3,176	4,176	708	1,058	1,652	756
Vacant, seasonal and migratory	1,742	973	1,718	1,845	700	453	450	241
Cooperatives and condominiums:								
Owner occupied	(NA)	(NA)	(NA)	1,749	422	341	496	489
Cooperatives	(NA)	(NA)	(NA)	360	227	58	35	40
Condominiums	(NA)	(NA)	1,225	1,389	195	284	461	449
Vacant for sale only	(NA)	(NA)	(NA)	145	14	25	65	41
Public or subsidized housing: [1]								
Units in public housing project	(NA)	(NA)	(NA)	2,180	639	525	707	309
Private housing unit with government rent subsidy	(NA)	(NA)	(NA)	1,199	381	252	293	273
Units in structure [2]—								
1-unit	43,758	46,791	57,183	61,482	10,864	16,546	22,298	11,754
Percent of total units	77.3	69.1	65.9	67.1	56.2	70.6	72.6	64.6
2-4 units	7,552	9,007	9,682	11,373	3,847	2,969	2,516	2,041
5 or more units	6,238	9,829	15,478	14,820	4,274	3,149	4,028	3,369
Mobile home or trailer	767	2,073	4,416	3,999	348	756	1,858	1,037
Year structure built: [2]								
April 1970 or later	(x)	(x)	[3] 22,744	23,686	2,633	4,926	10,301	5,826
1960-March 1970	(x)	16,956	[4] 17,087	18,144	3,082	4,242	6,763	4,058
1950-1959	16,046	14,499	14,871	14,331	2,628	3,544	5,013	3,147
1940-1949	8,640	8,788	9,642	8,101	1,549	1,782	3,051	1,719
1939 or earlier	33,632	27,458	22,414	27,413	9,461	8,927	5,573	3,452
Percent built prior to 1940	57.7	40.6	25.8	29.9	48.9	38.1	18.2	19.0
Units with [2]—								
1-3 rooms	11,400	11,028	13,598	13,533	3,498	2,768	3,834	3,433
4 rooms	12,435	14,113	16,969	17,828	3,409	4,100	6,356	3,963
5 rooms	14,323	16,998	20,017	21,937	3,812	5,909	8,160	4,055
6 rooms	11,141	13,609	16,945	18,324	3,869	4,940	6,330	3,184
7 or more rooms	9,020	11,950	19,164	20,053	4,764	5,703	6,020	3,566
Median number of rooms	4.9	5.0	5.1	5.1	5.2	5.3	5.1	4.9
Persons per unit (median):								
Owner occupied	3.1	3.0	2.6	2.5	2.7	2.6	2.5	2.4
Renter occupied	2.6	2.3	2.0	2.0	2.0	1.9	2.2	2.1
Units lacking some or all plumbing facilities [2]	7,899	4,398	2,334	2,233	371	463	1,174	225
Percent	13.2	6.5	2.7	2.4	1.9	2.0	3.8	1.2
Percent of units with—								
Telephone [5]	78.5	87.0	93.0	90.4	91.3	92.2	88.3	90.5
Air conditioning [2]	12.4	36.7	55.0	59.1	46.8	61.7	78.2	37.2
Central system [2]	1.9	10.7	27.5	29.2	9.6	29.5	45.4	23.0
Public sewer [2]	(NA)	70.2	74.1	74.3	76.9	76.5	65.6	83.3
Public or private company water [1]	(NA)	81.7	83.6	84.4	85.8	81.0	81.5	92.1
Year householder moved into unit:								
April 1970 or later	(NA)	(NA)	(NA)	61,655	12,038	15,259	20,665	13,692
1965-March 1970	(NA)	(NA)	(NA)	7,004	1,698	1,852	2,325	1,129
1960-1964	(NA)	(NA)	(NA)	5,090	1,301	1,379	1,643	768
1950-1959	(NA)	(NA)	(NA)	6,397	1,827	1,812	1,911	847
1949 or earlier	(NA)	(NA)	(NA)	4,493	1,358	1,316	1,387	433

NA Not available. X Not applicable. [1] Refers to specified renter-occupied units. [2] For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970, 1980, and 1983 all year-round units. For 1980 and 1983, air conditioning based on occupied housing units. [3] January 1970 or later. [4] 1960 to 1969. [5] Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. I.; *1980 Census of Housing*, vol. I, chapters A and B; and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

No. 1311. HOUSING UNITS—CHARACTERISTICS FOR SELECTED CITIES: 1980

[As of April. Cities ranked by size of population enumerated as of April 1, 1980, except Honolulu, ranked by county population]

CITY	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—			Occupied housing units						
			Structure built		5 or more units in structure	Total (1,000)	Percent—			Median value specified owner [1] (dol.)	Median selected monthly owner costs [2] (dol.)	Median gross rent [3] specified renter [4] (dol.)
			1970 to March 1980	1939 or earlier			Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980			
New York, NY	2,946	2,941	7.3	49.4	64.5	2,789	23.4	8.2	17.1	52,220	441	248
Chicago, IL	1,175	1,174	5.9	51.8	41.7	1,093	38.9	8.1	21.0	47,200	371	231
Los Angeles, CA	1,189	1,189	13.6	22.7	40.9	1,135	40.3	13.0	25.8	96,100	420	262
Philadelphia, PA	*686*	685	5.5	58.4	18.0	620	61.0	4.2	15.4	23,500	269	217
Houston, TX	678	678	36.5	8.4	39.8	603	47.8	7.7	35.6	49,100	378	276
Detroit, MI	471	471	3.2	45.6	18.7	433	57.9	4.8	18.6	20,900	320	216
Dallas, TX	390	290	28.1	9.8	37.6	355	48.5	6.6	34.1	43,900	338	257
San Diego, CA	*342*	342	32.8	13.0	29.2	321	49.1	5.9	33.8	89,800	416	274
Phoenix, AZ	308	307	39.7	4.8	22.4	285	64.7	5.6	32.8	54,100	357	279
Baltimore, MD	303	302	5.8	50.3	20.7	281	47.2	5.0	18.8	28,700	293	214
San Antonio, TX	278	278	25.9	14.1	20.8	259	59.5	10.5	26.4	27,300	263	209
Honolulu, HI	*252*	251	35.2	8.4	41.5	230	49.9	15.5	27.4	129,500	494	315
Indianapolis, IN	283	283	19.6	25.9	22.3	260	58.9	3.3	25.5	35,100	300	226
San Francisco, CA	317	316	6.6	57.7	43.0	299	33.7	7.3	25.8	103,900	394	285
Memphis, TN	244	244	20.5	13.6	22.7	230	56.3	6.6	24.5	35,200	275	198
Washington, DC	*277*	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
Milwaukee, WI	253	253	9.7	41.7	22.9	242	47.2	3.4	24.5	45,500	359	238
San Jose, CA	217	217	39.1	7.3	18.6	210	62.1	6.8	30.7	98,100	478	325
Cleveland, OH	240	239	4.4	57.7	22.0	218	48.2	3.3	20.2	30,400	307	195
Columbus, OH	*237*	237	24.0	24.4	26.6	217	48.8	2.7	30.4	41,300	333	225
Boston, MA	241	241	7.2	63.0	42.8	218	27.2	5.2	25.9	36,000	407	251
New Orleans, LA	226	226	12.3	37.5	19.5	206	39.7	8.6	23.4	50,400	344	210
Jacksonville, FL	214	213	28.5	11.7	19.5	197	62.6	4.4	26.9	31,700	327	240
Seattle, WA	*230*	230	10.0	40.3	33.3	219	51.0	2.8	27.2	65,100	331	251
Denver, CO	228	228	19.7	29.4	36.6	212	50.2	3.3	33.3	62,000	379	242
Nashville-Davidson, TN	179	179	27.4	14.2	26.0	170	56.4	3.6	26.5	43,800	307	243
St. Louis, MO	*202*	202	3.7	60.6	21.2	178	45.2	6.9	19.4	26,100	283	186
Kansas City, MO	192	192	12.8	36.5	26.3	175	57.9	3.2	23.7	34,600	301	215
El Paso, TX	134	134	34.6	11.2	25.0	128	59.2	12.4	29.0	39,000	281	196
Atlanta, GA	179	179	12.5	21.0	39.6	163	41.3	6.3	26.0	31,800	335	195
Pittsburgh, PA	179	179	4.8	63.3	25.2	166	51.2	2.8	18.2	31,500	292	216
Oklahoma City, OK	177	177	27.0	16.0	19.7	160	63.2	3.5	29.5	40,100	320	239
Cincinnati, OH	173	173	9.3	46.3	38.1	158	38.5	4.7	27.1	40,800	332	190
Fort Worth, TX	156	156	19.1	16.9	17.4	144	61.1	6.1	27.9	32,200	280	231
Minneapolis, MN	169	169	9.2	56.9	34.2	162	49.2	2.0	28.5	52,600	355	227
Portland, OR	168	168	11.3	46.4	26.8	159	53.3	2.5	28.1	52,900	357	245
Long Beach, CA	160	160	10.8	23.6	36.3	152	42.9	7.4	30.9	81,900	390	283
Tulsa, OK	156	156	28.2	14.7	20.8	145	61.2	2.5	31.4	45,400	325	246
Buffalo, NY	156	156	2.7	73.0	14.4	141	44.5	2.1	21.4	22,300	290	196
Toledo, OH	143	143	14.2	41.8	18.1	133	63.3	2.2	21.7	37,800	329	227
Miami, FL	146	145	20.6	16.3	45.6	134	34.1	19.9	26.2	47,500	318	227
Baton Rouge, LA	*84*	84	24.6	10.5	25.5	79	54.0	5.6	28.5	52,200	309	239
Austin, TX	147	146	41.5	8.1	32.8	134	45.9	5.4	42.6	47,300	393	265
Oakland, CA	150	150	7.9	41.0	32.2	142	42.9	6.7	25.2	66,600	338	231
Albuquerque, NM	133	133	41.2	6.1	22.9	124	60.8	4.3	33.5	55,100	358	236
Tucson, AZ	137	136	34.0	7.5	23.4	125	59.8	5.9	33.6	50,300	307	244
Newark, NJ	121	121	6.3	47.4	48.0	111	21.1	12.3	20.7	31,500	424	214
Charlotte, NC	124	124	27.2	10.5	23.6	118	54.7	4.0	28.0	45,800	352	245
Omaha, NE	125	125	12.3	33.7	23.6	118	61.3	2.6	22.8	34,400	334	213
Louisville, KY	126	126	7.3	41.7	21.6	117	56.3	4.3	20.7	26,900	255	182
Birmingham, AL	115	114	14.3	27.7	24.2	107	53.3	5.5	21.4	31,300	275	187
Wichita, KS	117	117	20.6	19.8	17.1	110	59.7	3.2	30.3	40,800	316	244
Sacramento, CA	123	123	23.4	19.4	22.0	113	56.4	4.4	29.2	54,600	296	213
Tampa, FL	*114*	114	18.6	17.3	21.1	106	61.1	5.2	25.2	30,600	276	211
St. Paul, MN	111	111	11.2	49.5	30.8	106	55.7	2.6	23.9	51,700	362	227
Norfolk, VA	95	95	15.1	21.0	23.9	88	43.9	5.1	30.0	39,100	349	231
Virginia Beach, VA	92	91	51.2	2.5	17.4	85	64.2	2.0	33.3	58,500	454	311
Rochester, NY	*103*	103	8.0	62.7	23.0	95	46.1	2.7	27.0	25,600	340	221

[1] "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a *usual residence*, as well as owner-occupied noncondominium units in multi-family buildings. [2] "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). [3] "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. [4] "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A and HC80-1-B).

No. 1312. Housing Units—Selected Characteristics, by State: 1980

[As of April 1]

STATE	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—			Occupied housing units						
			Structure built		5 or more units in structure	Total (1,000)	Percent—			Median value (dol.) specified owner [1]	Median selected month by owner costs [2] (dol.)	Median gross rent [3] (dol.) specified renter [4]
			1970 to March 1980	1939 or earlier			Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980			
United States	**88,411**	**86,759**	**25.9**	**26.1**	**17.5**	**80,390**	**64.4**	**4.5**	**22.6**	**47,200**	**365**	**243**
Alabama	1,467	1,451	30.9	16.3	9.1	1,342	70.1	5.4	20.6	33,900	295	188
Alaska	163	154	52.7	4.7	22.1	131	58.3	10.1	38.6	76,300	640	368
Arizona	1,111	1,072	48.6	5.6	16.3	957	68.3	7.2	32.5	54,800	365	263
Arkansas	899	889	32.9	17.3	7.2	816	70.5	5.2	23.1	31,100	280	185
California	9,279	9,223	27.2	14.7	24.0	8,630	55.9	7.4	28.0	84,500	411	283
Colorado	1,194	1,170	39.1	18.0	21.4	1,061	64.5	2.8	33.0	64,100	422	252
Connecticut	1,159	1,145	18.1	32.0	17.5	1,094	63.9	2.6	18.1	65,600	434	261
Delaware	239	230	25.7	20.8	16.7	207	69.1	2.6	21.1	44,400	351	247
District of Columbia	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
Florida	4,379	4,279	43.9	6.7	23.7	3,744	68.3	5.3	26.8	45,100	337	256
Georgia	2,028	2,014	33.3	14.7	14.0	1,872	65.0	5.3	23.9	36,900	340	211
Hawaii	334	332	38.9	10.5	38.1	294	51.7	15.3	26.8	118,100	463	311
Idaho	375	360	38.4	21.9	8.8	324	72.0	4.5	28.8	45,600	332	219
Illinois	4,320	4,304	19.4	34.7	22.3	4,045	62.6	4.2	20.6	52,800	406	246
Indiana	2,092	2,065	22.0	32.1	10.8	1,927	71.7	3.1	21.0	37,200	304	219
Iowa	1,131	1,121	20.5	44.4	10.2	1,053	71.8	2.1	20.6	40,600	348	225
Kansas	955	951	22.7	33.6	9.7	872	70.2	2.4	24.0	37,800	330	219
Kentucky	1,369	1,355	28.7	24.7	10.1	1,263	70.0	4.7	21.2	34,200	298	198
Louisiana	1,548	1,537	30.8	15.9	11.1	1,412	65.5	7.1	23.2	43,000	313	214
Maine	501	428	23.2	47.5	10.0	395	70.9	3.1	20.1	37,900	317	216
Maryland	1,571	1,550	23.6	22.4	22.4	1,461	62.0	3.1	20.6	58,300	413	266
Massachusetts	2,208	2,141	15.4	47.3	20.5	2,033	57.5	2.6	18.2	46,400	424	255
Michigan	3,590	3,451	22.1	27.6	12.5	3,195	72.7	3.1	20.0	39,000	363	250
Minnesota	1,613	1,530	25.2	33.3	17.3	1,445	71.7	2.3	21.8	53,100	375	236
Mississippi	912	905	32.5	15.6	8.0	827	71.0	8.0	20.4	31,400	284	180
Missouri	1,989	1,963	23.9	29.4	11.4	1,793	69.6	3.4	21.3	38,700	317	211
Montana	328	315	30.7	30.3	9.9	284	68.6	3.8	27.8	46,500	347	200
Nebraska	625	619	23.8	38.9	12.3	571	68.4	2.1	22.9	38,000	359	213
Nevada	340	338	51.8	5.7	23.2	304	59.6	4.7	37.7	68,700	454	310
New Hampshire	386	349	27.5	39.0	14.3	323	67.6	2.4	22.0	48,000	408	251
New Jersey	2,772	2,690	16.1	33.4	20.9	2,549	62.0	3.5	16.7	60,200	456	270
New Mexico	508	493	36.5	11.8	12.2	441	68.1	8.6	29.5	45,300	324	216
New York	6,868	6,706	11.9	43.3	35.8	6,340	48.6	4.9	17.1	45,600	430	249
North Carolina	2,275	2,224	32.0	17.3	8.5	2,043	68.4	4.5	20.6	36,000	320	205
North Dakota	259	253	30.9	34.9	14.3	228	68.7	2.7	24.6	43,900	392	206
Ohio	4,108	4,078	20.0	32.8	14.1	3,834	68.4	2.5	20.2	44,900	347	224
Oklahoma	1,237	1,230	30.0	20.2	10.1	1,119	70.7	3.7	26.4	35,600	305	214
Oregon	1,083	1,072	34.2	20.6	15.1	992	65.1	2.9	29.8	56,900	371	257
Pennsylvania	4,596	4,513	16.4	44.8	12.2	4,220	69.9	2.4	15.8	39,100	336	225
Rhode Island	373	363	16.1	43.0	16.4	339	58.8	2.5	19.6	46,800	391	222
South Carolina	1,154	1,123	34.4	15.2	8.4	1,030	70.2	6.0	20.6	35,100	312	206
South Dakota	277	270	26.6	40.7	11.2	243	69.3	3.6	23.5	36,600	352	188
Tennessee	1,747	1,737	31.1	16.7	11.5	1,619	68.6	4.4	22.0	35,600	299	203
Texas	5,549	5,485	35.2	12.2	18.4	4,929	64.3	7.2	29.1	39,100	348	245
Utah	490	481	37.7	18.8	12.5	449	70.7	5.8	28.8	57,300	381	235
Vermont	223	196	24.4	46.9	9.4	178	68.7	2.5	21.6	42,200	336	226
Virginia	2,021	2,000	30.9	17.7	16.2	1,863	65.6	3.4	23.3	48,000	395	259
Washington	1,689	1,652	32.0	21.3	17.2	1,541	65.6	2.9	29.0	59,900	362	254
West Virginia	748	737	24.9	34.2	6.2	686	73.6	4.1	18.0	38,500	290	195
Wisconsin	1,864	1,756	23.1	36.6	12.3	1,652	68.2	2.4	20.7	48,600	381	234
Wyoming	188	182	40.4	22.6	10.0	166	69.2	4.2	34.2	59,800	397	252

[1] "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. [2] "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). [3] "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. [4] "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, *1980 Census of Housing,* vol. 1 chapters A and B (HC80-1-A and HC80-1-B).

No. 1313. Occupied Housing Units—Selected Characteristics, by Race and Spanish Origin of Householder: 1980

[As of April 1]

Characteristic	All races	White	Black	American Indian, Eskimo, Aleut	Asian or Pacific Islander	Other races	Spanish origin [1]
Occupied units	**80,389,673**	**68,810,123**	**8,381,668**	**397,252**	**993,458**	**1,807,172**	**4,007,896**
Northeast	17,470,616	15,265,596	1,624,257	25,945	162,672	392,146	788,957
Midwest	20,859,206	18,782,200	1,718,821	67,008	107,002	184,175	342,602
South	26,486,217	21,594,519	4,258,708	113,237	123,273	396,480	1,223,960
West	15,573,634	13,167,808	779,882	191,062	600,511	834,371	1,652,377
Owner occupied	51,794,545	46,670,775	3,724,251	212,209	521,230	666,080	1,738,920
Percent of total occupied	64.4	67.8	44.4	53.4	52.5	36.9	43.4
Renter occupied	28,595,128	22,139,348	4,657,417	185,043	472,228	1,141,092	2,268,976
Median:							
Value [2] (dol.)	47,200	48,600	27,200	35,400	82,900	44,200	44,700
Monthly owner costs: [2,3]							
With a mortgage (dol.)	366	371	307	320	498	320	333
Without a mortgage (dol.)	128	130	115	93	114	92	94
Gross rent [4] (dol.)	243	251	208	226	264	226	231
Household income in 1979 (dol.)	16,745	17,578	10,810	12,200	19,900	12,246	13,347
Percent of units—							
Lacking complete plumbing facilities	2.2	1.7	5.5	10.8	2.7	3.8	3.8
With structure built—							
1970 to March 1980	25.5	26.5	17.9	32.6	31.3	18.7	20.9
Prior to 1940	25.8	25.7	27.6	20.4	18.0	25.8	24.0
One unit in structure	67.0	69.1	54.7	63.5	53.5	47.2	51.9
Five or more units in structure	17.2	15.4	26.7	16.2	33.5	33.7	30.1
With no telephone	7.1	5.5	16.1	27.5	4.8	20.8	16.9
Lacking air conditioning	44.2	41.9	57.3	60.5	56.0	61.8	55.1
Lacking public sewer	25.6	27.6	13.7	33.3	8.7	9.0	11.0
With no vehicle	12.9	10.2	32.6	17.9	15.6	25.4	21.8
Householder moved into unit 1979 to March 1980	22.7	22.2	22.3	33.4	34.1	35.2	31.5

[1] Persons of Spanish origin may be of any race. [2] Specified owner-occupied housing units; see footnote 1, table 1318. [3] See footnote 3, table 1318. [4] Specified renter-occupied housing units; see footnote 4, table 1318.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A1 and HC80-1-B1), and unpublished data.

No. 1314. Occupied Housing Units—Tenure, by Race and Plumbing Facilities: 1970 and 1983

[In thousands. See headnote, table 1310]

Tenure and race	Total occupied units	With all plumbing facilities				Lacking some or all plumbing			
		Total	Persons per room			Total	Persons per room		
			1.00 or less	1.01 to 1.50	1.51 or more		1.00 or less	1.01 to 1.50	1.51 or more
1970									
Occupied units, total	**63,450**	**59,677**	**55,213**	**3,436**	**1,028**	**3,773**	**3,026**	**367**	**380**
Owner occupied	39,885	38,076	35,726	1,932	418	1,809	1,497	170	142
White and other	37,317	35,894	33,864	1,699	331	1,423	1,209	117	97
Black	2,568	2,182	1,862	232	88	386	288	53	45
Renter occupied	23,565	21,601	19,487	1,504	610	1,964	1,529	197	238
White and other	19,952	18,644	17,123	1,110	411	1,308	1,094	107	107
Black	3,613	2,957	2,364	394	199	656	435	90	131
1983									
Occupied units, total	**84,638**	**83,016**	**80,257**	**2,145**	**614**	**1,621**	**1,455**	**81**	**85**
Owner occupied	54,724	53,978	52,788	1,006	184	746	683	36	27
White and other	50,601	50,037	49,069	828	141	564	516	24	23
Black	4,123	3,941	3,719	178	43	182	167	12	4
Renter occupied	29,914	29,038	27,469	1,139	430	875	772	45	58
White and other	24,874	24,266	23,113	822	332	607	541	22	44
Black	5,040	4,772	4,356	317	98	268	231	23	14

Source: U.S. Bureau of the Census, *Census of Housing: 1970* vol. 1; and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

No. 1315. Occupied Housing Units—Tenure, by Race of Householder: 1920 to 1983

[**In thousands, except as indicated.** As of **April 1**, except **1983**, as of **fall.** Prior to 1960, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1983. For 1920, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 238–245]

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1983
ALL RACES								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	84,638
Owner occupied	11,114	14,280	15,196	23,560	32,797	39,886	51,795	54,724
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	64.7
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	29,914
WHITE								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,606	68,810	72,562
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,671	49,144
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	67.7
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	23,418
BLACK AND OTHER								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	12,076
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	5,580
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	46.2
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,496

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; *1980 Census of Housing*, vol. 1, chapter A (HC80-1-A); and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1316. Occupied Housing Units—Percent Home Ownership, by Region and Race of Householder: 1960 to 1983

[See headnote, table 1310. For composition of regions, see fig. I inside front cover]

REGION	1960		1970		1980		1983	
	White	Black [1]	White	Black	White	Black	White	Black
U.S. total	**64.4**	**38.4**	**65.4**	**41.6**	**67.8**	**44.4**	**67.7**	**45.0**
Northeast	58.1	27.0	60.4	28.6	63.3	31.1	63.9	32.7
Midwest	69.1	35.8	70.2	42.0	71.6	44.1	71.8	43.4
South	66.4	41.6	68.2	46.9	70.7	50.5	71.4	51.1
West	62.5	44.6	60.2	40.1	62.9	40.0	61.0	39.6

[1] For 1960, represents Black and other races.

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; and *1980 Census of Housing*, vol. 1, chapter A (HC80-1-A); and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1317. Occupied Housing Units—Selected Characteristics, by Tenure: 1960 to 1983

[**Percent distribution.** As of **April**, except **1983** as of **fall**]

CHARACTERISTIC	1960			1970			1980			1983		
	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter
Rooms in unit:												
1–2 rooms	6	23	14	4	17	10	5	1	12	4	1	10
3–4 rooms	32		51	28		51	29	15	53	30	15	54
5 rooms	26	29	19	26	28	21	23	25	19	24	26	20
6 rooms	20	26	10	22	27	11	20	26	10	21	26	10
7 rooms or more	16	22	6	20	28	7	23	33	6	23	32	6
Units in structure:												
1 unit	76	94	48	74	94	38	70	93	31	73	94	35
2–4 units	13	6	25	14	6	29	12	4	24	12	4	26
5–9 units	11		9	4		11	18	3	45	15	2	39
10 units or more			18	8		22						
With all plumbing facilities	84	89	77	95	97	91	98	99	96	98	99	97
Year structure built:												
1975 or later	(x)	(x)	(x)	(x)	(x)	(x)	12	14	10	26	27	24
1970–1974	(x)	(x)	(x)	(x)	(x)	(x)	13	13	14			
1960–1969	(x)	(x)	(x)	24	26	19	20	20	20	20	21	19
1950–1959	27	34	16	19	24	12	18	19	15	16	19	11
1940–1949	15	16	13	14	14	13	11	10	13	9	9	9
1939 or earlier	58	50	71	43	36	56	26	24	28	29	25	37

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Housing, 1960; 1970;* and *1980;* and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1318. Occupied Housing Units—Financial Summary: 1970 to 1983

[In thousands, except as indicated. See headnote, table 1310. For definition of median, see Guide to Tabular Presentation]

Characteristic	1970	1980	1983 Total	1983 Region: Northeast	Midwest	South	West
Occupied units, total	**63,450**	**80,390**	**84,638**	**18,221**	**21,618**	**27,931**	**16,868**
Median income:							
Owner occupied (dol.)	9,700	19,800	24,400	26,300	24,300	21,700	28,000
Renter occupied (dol.)	6,300	10,500	12,400	12,400	11,800	12,400	13,500
Specified owner occupied [1]	31,891	39,470	43,535	8,674	11,906	14,911	8,043
With value of—							
Less than $20,000	19,739	4,777	2,409	362	731	1,218	96
$20,000–$24,999	4,674	2,494	1,486	261	503	637	85
$25,000–$34,999	4,436	5,511	4,207	693	1,468	1,840	206
$35,000–$49,999	2,045	8,496	8,703	1,740	2,846	3,377	740
$50,000–$99,999	996	14,382	19,464	4,272	5,385	6,068	3,739
$100,000 and over		3,810	7,269	1,344	975	1,772	3,176
Median—							
Value (dol.)	17,000	47,200	59,700	61,900	52,500	52,100	89,100
Real estate taxes [2] (dol.)	(NA)	460	564	1,100	635	270	572
Units monthly costs [3]—							
With mortgages (dol.)	(NA)	366	463	503	453	428	500
Owned clear (dol.)	(NA)	128	166	223	178	137	134
Specified renter occupied [4]	22,334	27,252	29,214	7,149	6,469	8,791	6,804
With gross rent of—							
Less than $80	5,466	1,080	646	114	150	302	80
$80–$99	3,701	651	551	116	109	201	125
$100–$119	3,332	818	1,707	448	395	580	285
$120–$149	3,772	1,678					
$150–$199	3,304	4,219	2,364	545	637	805	376
$200–$299	1,194	10,023	7,377	1,854	2,088	2,097	1,338
$300 and over	265	7,516	15,168	3,843	2,804	4,144	4,374
No cash rent	1,300	1,267	1,401	226	286	662	228
Median rent (dol.)	108	243	315	316	286	304	362

NA Not available. [1] Includes only 1-family homes on less than 10 acres and no business on the property. [2] Taxes paid previous year. [3] Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. [4] Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Census of Housing, 1970,* and *1980,* vol. 1, and *Current Housing Reports,* H-150-83, *American Housing Survey: 1983, part A.*

No. 1319. Heating Equipment and Fuels for Occupied Units: 1950 to 1983

Item	Number (1,000) 1950	1960	1970	1980	1983	Percent distribution 1950	1960	1970	1980	1983
Occupied units, total	**42,826**	**53,024**	**63,445**	**80,390**	**84,638**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heating equipment:										
Warm air furnace	[1] 11,508	17,378	27,515	39,279	44,320	[1] 26.9	32.8	43.4	48.9	52.4
Heat pumps				2,835	2,171				3.5	2.6
Steam or hot water	10,071	11,990	13,211	13,659	13,772	23.5	22.6	20.8	17.2	16.3
Floor, wall, or pipeless furnace	(1)	6,088	5,552	4,693	5,977	(1)	11.5	8.8	5.8	7.1
Built-in electric units	–	664	3,236	6,370	6,207	–	1.3	5.1	7.9	7.3
Room heaters with flue	[2] 15,399	[2] 11,183	7,209	6,098	3,438	[2] 36.0	[2] 21.1	11.4	7.6	4.1
Room heaters without flue	5,268	5,218	3,558	2,736	2,926	12.3	9.8	5.6	3.4	3.5
Fireplaces, stoves, or heaters [3]	(2)	(2)	2,766	3,977	5,152	(2)	(2)	4.4	4.9	6.1
None	581	503	398	541	677	1.4	.9	.6	.7	.8
House heating fuel:										
Utility gas	11,387	22,851	35,014	42,658	46,700	26.6	43.1	55.2	53.1	55.2
Fuel oil, kerosene, etc	9,686	17,158	16,473	14,655	13,031	22.6	32.4	26.0	18.2	15.4
Electricity	283	933	4,876	14,768	15,684	.7	1.8	7.7	18.3	18.5
Bottled, tank, or LP gas	787	2,686	3,807	4,535	3,869	1.8	5.1	6.0	5.6	4.6
Wood and other fuel	4,855	2,460	1,060	2,729	4,245	11.3	4.6	1.7	3.4	5.0
Coal or coke	14,828	6,456	1,821	504	432	34.6	12.2	2.9	.6	.5
None	999	478	395	541	677	2.3	.9	.6	.7	.8
Cooking fuel:										
Electricity	6,403	16,351	25,768	41,906	(NA)	15.0	30.8	40.6	52.1	(NA)
Utility gas	22,084	27,296	31,244	32,375	(NA)	51.6	51.5	49.2	40.3	(NA)
Bottled, tank, or LP gas	3,417	6,491	5,314	5,569	(NA)	8.0	12.2	8.4	6.9	(NA)
Other fuel	10,796	2,603	908	398	(NA)	25.2	4.9	1.4	.5	(NA)
None	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

– Represents zero. NA Not available. [1] "Floor, wall, or pipeless furnace" included in "Warm air furnace." [2] *"Fireplaces, stoves, or portable heaters"* included in *"Room heaters with flue."* [3] *Portable heaters.*

Source: U.S. Bureau of the Census, *Census of Housing, 1960,* vol. 1, and *1980,* vol. 1; *Current Housing Reports,* series H-150-83, Annual Housing Survey: 1983, part A.

No. 1320. Appliances Used by Households, by Region and Family Income: 1982

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1321]

Type of Appliance	Households using appliance		Region				Family income in 1981			
	Number	Percent of total	Northeast	Midwest	South	West	Under $15,000	$15,000–$24,999	$25,000–$34,999	$35,000 and over
Total households	**83.8**	**100.0**	**18.0**	**21.3**	**28.1**	**16.5**	**36.1**	**19.8**	**15.2**	**12.6**
Air conditioners: Room [1]	25.9	30.9	7.3	6.5	9.9	2.2	11.8	6.5	4.6	3.0
Central system	22.7	27.1	2.0	5.8	11.4	3.5	6.0	5.1	5.7	6.0
Clothes washer	59.8	71.4	12.3	15.3	20.8	11.5	21.2	14.3	12.9	11.4
Clothes dryer	50.1	59.8	9.6	14.0	16.6	9.9	15.0	12.1	12.0	11.0
Dehumidifier	7.5	9.0	2.4	3.9	1.1	.1	1.7	1.7	2.4	1.8
Dishwasher	30.3	36.1	5.8	6.8	10.3	7.3	5.4	7.2	8.4	9.3
Evaporative cooler [2]	3.6	4.2	–	.1	.6	2.8	1.5	.9	.7	.4
Freezer	31.0	37.0	5.0	9.1	12.0	4.9	10.6	7.4	7.1	5.9
Humidifier	11.3	13.5	2.5	6.3	1.7	.8	3.1	2.7	2.5	3.0
Microwave oven [3]	17.3	20.7	2.0	5.2	5.7	4.4	3.4	4.1	4.8	5.0
Motor vehicles [4]: One	30.6	36.5	6.4	7.7	10.5	6.0	17.3	7.6	3.5	2.1
Two or more	41.6	49.6	7.3	10.8	14.4	9.0	9.2	10.7	11.5	10.3
Outdoor gas grill	9.4	11.2	3.0	2.1	3.1	1.2	1.2	2.2	2.7	3.3
Outdoor gas light	1.4	1.7	.1	.5	.7	.1	.3	.4	.3	.5
Oven: Electric	43.5	51.9	7.6	11.1	16.1	8.7	15.6	10.7	9.0	8.2
Gas	35.0	41.7	9.1	8.6	10.1	7.2	17.6	8.1	5.4	3.8
Portable electric heater	7.7	9.2	1.4	1.3	3.4	1.6	3.7	1.6	1.2	1.2
Portable kerosene heater	2.8	3.3	1.0	.5	1.2	.1	.9	.5	.8	.5
Range: Electric	44.7	53.3	7.6	11.9	16.5	8.7	16.0	10.8	9.4	8.4
Gas	39.0	46.6	10.3	9.6	11.4	7.7	19.9	9.0	5.9	4.2
Refrigerator: Frost-free	53.2	63.5	10.4	12.9	18.9	11.1	18.2	12.9	11.7	10.5
Non frost-free [5]	36.2	43.2	9.0	10.3	10.5	6.4	19.2	8.2	5.2	3.6
Television set: Color	71.0	84.8	15.5	18.3	22.8	14.4	27.0	17.7	14.3	12.0
Black and white	38.9	46.5	8.9	10.6	13.7	5.8	17.1	8.4	7.1	6.3
Water heater [6]: Gas	42.8	51.1	7.1	12.5	12.6	10.6	16.8	10.0	8.4	7.5
Electric	25.5	30.4	3.4	5.3	12.7	4.0	10.3	6.5	5.0	3.6
Other fuel	3.5	4.2	2.7	.1	.6	.2	1.2	.7	.8	.7
Whole house cooling fan	6.5	7.8	1.3	1.8	2.8	.6	1.8	1.4	1.5	1.8
Window or ceiling fan	23.5	28.0	5.0	6.5	10.0	1.9	9.5	5.7	4.6	3.6

– Represents or rounds to zero. [1] Includes small amount of households that have both central air conditioners and room units. [2] An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. [3] Microwave is first or second most used oven. [4] All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. [5] Includes refrigerators without freezer compartments. [6] Excludes water heaters that serve more than one household.

No. 1321. Housing Units—Characteristics, by Primary Heating Fuel and Equipment: 1982

[In millions. As of November. Excludes Alaska and Hawaii. Covers year-round units only. For composition of regions, see fig. I, inside front cover. Based on Residential Energy Consumption Survey; see Appendix III]

Characteristic	Total occupied housing units [1]	Primary heating fuel					Primary heating equipment					
		Natural gas	Fuel oil, kerosene	Electricity	LPG [2]	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters [3]	Floor, wall, or pipeless furnace	Built in electric units	Wood or coal stove
Total	**83.8**	**47.5**	**12.0**	**13.4**	**3.8**	**5.6**	**39.5**	**14.2**	**6.4**	**7.5**	**5.0**	**5.3**
Region:												
Northeast	18.0	7.5	7.6	1.3	.2	1.0	5.9	9.2	.4	.2	.9	1.1
Midwest	21.3	15.5	1.6	2.1	1.0	1.1	14.0	3.3	.8	.9	1.0	.8
South	28.1	13.3	2.5	6.8	2.3	2.6	12.5	1.1	4.4	2.3	1.6	2.6
West	16.5	11.1	.4	3.1	.4	.9	7.1	.6	.9	4.1	1.5	.8
Type:												
Single-family detached	53.8	30.5	7.2	6.9	2.7	5.2	28.1	5.1	4.9	4.7	2.4	4.9
Single-family attached	3.9	2.7	.4	.6	.1	.1	1.8	1.1	.1	.4	.3	.1
2–4 unit building	10.1	7.0	1.8	1.1	.1	.1	3.8	3.1	1.0	1.1	.4	.1
5 or more unit building	12.2	6.2	2.1	3.9	–	(NA)	3.2	4.9	.3	1.1	1.9	(NA)
Mobile home	3.7	1.1	.6	.9	.9	.3	2.6	–	.2	.1	–	.3
Year house built:												
1939 or earlier	23.6	14.0	5.4	.7	1.2	1.8	8.6	6.7	3.4	2.3	.4	1.7
1940 to 1949	7.0	4.4	1.4	.3	.2	.5	3.1	1.3	1.0	.7	.1	.4
1950 to 1959	13.4	9.1	2.0	.9	.5	.7	6.5	2.2	1.0	2.1	.3	.5
1960 to 1969	16.7	10.4	1.7	2.7	.6	1.0	8.8	2.3	.7	1.3	1.2	1.0
1970 to 1974	10.2	5.0	.7	3.0	.6	.8	5.7	.8	.1	.6	1.4	.9
1975 or later	12.9	4.7	.8	5.7	.7	.9	6.6	1.0	.3	.5	1.5	.8

– Represents zero or rounds to zero. NA Not available. [1] Includes types of fuel and equipment not shown separately. [2] Liquid petroleum gas. [3] With or without flue.

Source of tables 1320 and 1321: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristic, 1982*, August 1984.

No. 1322. Housing Units—Characteristics, by Square Footage of Floor Space: 1980 to 1982

[See headnote, table 1321]

Characteristic	Average number of square feet per household				Households by measured heated square footage of residence (mil.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,599	1,600 to 2,399	2,400 and over
	Mean	Median	Mean	Median					
1980, total	1,745	1,488	1,499	1,260	81.6	28.6	24.0	17.8	11.3
1981, total	1,734	1,452	1,482	1,247	83.1	29.0	25.2	18.0	11.0
1982, total	**1,698**	**1,463**	**1,449**	**1,222**	**83.8**	**30.3**	**25.1**	**17.7**	**10.6**
Northeast	1,914	1,790	1,583	1,373	18.0	6.0	4.5	4.5	2.9
Midwest	1,874	1,782	1,592	1,344	21.3	6.8	5.5	5.2	3.9
South	1,557	1,305	1,345	1,170	28.1	10.6	9.9	5.2	2.4
West	1,474	1,280	1,296	1,103	16.5	5.9	5.2	2.9	1.4
Single family detached	2,061	1,872	1,717	1,525	53.8	10.2	18.3	15.5	9.7
Single family attached	1,787	1,745	1,535	1,513	3.9	.9	1.3	1.3	.3
2-4 unit building	1,137	929	1,025	843	10.1	6.2	2.8	.7	.5
5 or more unit building	795	736	784	733	12.2	10.2	1.7	.1	.2
Mobile home	860	780	846	773	3.7	2.8	.9	-	(NA)
Year house built:									
1939 or earlier	1,742	1,498	1,426	1,210	23.6	8.9	7.1	4.7	3.0
1940-1949	1,665	1,488	1,379	1,166	7.0	2.8	2.1	1.4	.7
1950-1959	1,663	1,519	1,460	1,302	13.4	4.0	4.8	3.2	1.4
1960-1969	1,709	1,440	1,474	1,209	16.7	6.0	4.9	3.6	2.2
1970-1974	1,639	1,344	1,444	1,196	10.2	4.2	2.7	2.0	1.4
1975-1979	1,750	1,543	1,526	1,300	10.0	3.3	2.7	2.4	1.6
1980 or later	1,534	1,250	1,374	1,120	2.9	1.2	.8	.5	.3

- *Represents zero or rounds to zero.* NA *Not available.*

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1982,* August 1984 and earlier issues.

No. 1323. Low-Income Public Housing Units, by Progress Stage: 1960 to 1983

[**In thousands.** As of **Dec.** 31. Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970,* series N 186-191]

Year and program	Total	Occupied units [1]	Under construction	Other [2]	Year and program	Total	Occupied units [1]	Under construction	Other [2]
1960	**593.3**	**478.2**	**36.4**	**78.8**	**1982**	**1,432.2**	**1,231.4**	**66.7**	**134.1**
Elderly	18.9	1.1	4.1	13.7	Elderly	392.0	328.4	27.7	35.9
1970	**1,155.3**	**893.5**	**126.8**	**135.0**	**1983**	**1,483.3**	**1,262.5**	**86.7**	**134.1**
Elderly	249.4	143.4	65.7	40.3	Elderly	410.0	338.4	35.7	35.9
1975	**1,316.7**	**1,180.4**	**52.9**	**83.4**	*New construction*	1,258.1	1,130.9	78.5	48.7
Elderly	336.3	288.3	24.3	23.7	Conventional [3]	954.3	869.8	46.7	37.8
1980	**1,321.1**	**1,195.6**	**20.9**	**104.6**	Turnkey [4]	303.7	261.0	31.8	10.9
Elderly	358.3	317.7	11.5	29.1	Acquistion [5]	44.4	29.5	2.9	12.0
1981	**1,404.0**	**1,229.3**	**51.5**	**123.2**	Leased housing [6]	180.8	102.1	5.3	73.4
Elderly	385.4	327.7	21.8	35.9	New	54.1	37.5	3.2	13.4

[1] Under management or available for occupancy. [2] To be constructed or to go directly "under management" because no rehabilitation needed. [3] New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the *LHA.* [4] *New housing purchased by the LHA* from a private developer upon completion of construction pursuant to an earlier agreement. [5] Existing housing acquired by the LHA. [6] Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

No. 1324. New Apartments Completed and Rented in 3 Months, by Region: 1977 to 1983

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability]

Year and rent	Number (1,000)					Percent rented in 3 months				
	Total	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West
1977	195.6	11.2	59.8	60.8	63.8	80	74	81	81	80
1978	228.7	13.4	66.8	89.5	59.0	82	88	84	81	81
1979	241.1	20.5	54.0	111.2	55.4	82	87	82	82	81
1980	196.1	14.2	43.8	91.5	46.6	75	77	77	74	75
1981	135.3	4.9	36.9	68.4	25.1	80	85	86	78	75
1982	117.0	4.6	21.9	66.8	23.7	72	74	79	70	72
1983, prel.	191.1	3.4	40.7	115.0	32.0	69	72	86	63	70
Less than $300	24.2	.4	6.3	14.9	2.6	77	20	86	72	88
$300-$349	37.5	(z)	9.2	23.7	4.6	75	(z)	90	68	79
$350-$399	45.6	.1	83	31.4	5.9	70	5	83	66	72
$400-$449	31.3	.2	7.8	17.8	5.5	67	100	81	58	72
$450-$499$	22.7	.6	2.3	13.7	6.1	58	84	83	54	55
$500 or more	29.8	2.1	6.9	13.5	7.3	67	78	87	55	65

Z Less than 50 or less than .05 percent.

Source: U.S. Bureau of the Census, *Current Housing Reports,* series H-131-83-A, and unpublished data.

No. 1325. Vacancy Rates for Housing Units—Characteristics: 1975 to 1983

[**In percent.** Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. Data for 1975 are not entirely comparable with later years; see source. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258]

RENTAL UNITS	1975	1980	1981	1982	1983
Total rental units	**6.0**	**5.4**	**5.0**	**5.3**	**5.7**
Inside SMSA's	6.1	5.2	4.8	5.0	5.5
Outside SMSA's	5.7	6.1	5.7	6.2	6.3
Northeast	4.1	4.2	3.7	3.7	4.0
Midwest	5.7	6.0	5.9	6.3	6.1
South	7.7	6.0	5.4	5.8	6.9
West	6.2	5.2	5.1	5.4	5.2
Units in structure: 1 unit	3.6	3.4	3.3	3.6	3.7
2 or more	7.3	6.4	6.0	6.2	6.7
5 or more	8.3	7.1	6.4	6.5	7.1
Units with: 3 rooms or less	8.4	6.9	6.9	7.2	7.2
4 rooms	5.8	5.2	4.8	5.0	5.7
5 rooms	4.6	4.3	3.8	4.0	4.4
6 rooms or more	3.3	3.8	3.2	3.5	3.7
Monthly rent: Less than $60	5.5	2.5	3.0	3.4	2.5
$60-$79	5.7				
$80-$99	4.6	3.4			
$100 or more	6.7	6.0	5.2	5.4	5.7
Year built: 1960 or later	8.3	5.8	5.1	5.3	5.9
1965 or later	9.0	6.2	5.3	5.6	6.2
1940-1959	4.8	4.7	4.9	5.2	5.4
1939 or earlier	5.4	5.5	5.2	5.5	5.6
Plumbing: With all facilities	5.9	5.2	4.8	5.1	5.5
Lacking facilities	11.2	10.6	12.3	12.2	11.8

HOMEOWNER UNITS	1975	1980	1981	1982	1983
Total homeowner units	**1.2**	**1.4**	**1.4**	**1.5**	**1.5**
Inside SMSA's	1.3	1.3	1.4	1.5	1.6
Outside SMSA's	1.1	1.4	1.3	1.5	1.5
Northeast	1.0	1.1	1.1	1.0	1.0
Midwest	1.0	1.6	1.4	1.6	1.5
South	1.5	1.3	1.3	1.6	1.8
West	1.5	1.6	1.7	1.9	1.8
Units in structure: 1 unit	1.0	1.2	1.1	1.2	1.3
2 or more	5.4	4.3	5.4	6.1	5.2
5 or more	14.4	8.7	10.8	12.2	8.8
Units with: 3 rooms or less	3.5	3.5	3.5	3.9	3.3
4 rooms	2.1	1.7	2.0	2.4	2.4
5 rooms	1.1	1.2	1.4	1.4	1.4
6 rooms or more	1.0	1.3	1.1	1.2	1.3
Value: Less than $10,000	1.4	1.5	1.8	2.3	2.3
$10,000-$19,999	1.0	.9			
$20,000-$24,999	.9	.9	1.1	1.2	1.2
$25,000 or more	1.4	1.3			
Year built: 1960 or later	2.2	1.8	1.6	1.8	1.8
1965 or later	2.7	2.1	1.8	2.1	1.9
1940-1959	.5	.8	.8	.9	1.1
1939 or earlier	1.1	1.5	1.6	1.6	1.7
Plumbing: With all facilities	1.3	1.3	1.4	1.5	1.5
Lacking facilities	2.0	4.2	3.3	3.9	3.6

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1326. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs: 1970 to 1983

[**In millions of dollars, except averages**]

YEAR AND TYPE OF EXPENDITURE	All properties	1-unit properties with owner occupant	Other properties	Additions and alterations: Total	Additions and alterations: Residential	Additions and alterations: Other property	Major construction replacements	Maintenance and repairs
1970: Total expenditures	**14,770**	**9,469**	**5,301**	**6,246**	**4,950**	**1,296**	**2,629**	**5,895**
Average per property	$297	$265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975: Total expenditures	**25,239**	**15,684**	**9,556**	**10,997**	**8,815**	**2,182**	**4,484**	**9,758**
Average per property	$459	$382	$685	$200	$160	$40	$82	$178
1979: Total expenditures	**42,231**	**28,280**	**13,951**	**18,285**	**12,922**	**5,363**	**8,996**	**14,950**
Average per property	$712	$638	$954	$310	$219	$91	$153	$253
1980: Total expenditures	**46,338**	**31,481**	**14,857**	**21,336**	**15,376**	**5,960**	**9,816**	**15,187**
Average per property	$761	$698	$994	$355	$256	$99	$163	$253
1981: Total expenditures	**46,351**	**30,201**	**16,150**	**20,414**	**15,111**	**5,303**	**9,915**	**16,022**
Average per property	$758	$661	$1,047	$334	$247	$87	$162	$262
1982: Total expenditures [1]	**45,291**	**29,779**	**15,512**	**18,774**	**13,352**	**5,423**	**9,707**	**16,810**
Average per property	$701	$630	$896	$291	$207	$84	$150	$260
Heating and air-conditioning [2]	3,230	2,041	1,189	687	687	(NA)	1,707	836
Plumbing	4,258	2,199	2,059	710	710	(NA)	1,748	1,799
Roofing	5,105	3,257	1,848	(NA)	(NA)	(NA)	3,780	1,324
Painting	5,734	3,194	2,540	(NA)	(NA)	(NA)	(NA)	5,734
1983: Total expenditures [1]	**49,295**	**32,524**	**16,771**	**20,271**	**16,412**	**3,859**	**10,895**	**18,128**
Average per property	$761	$681	984	$313	$253	$59	$168	$280
Heating and air-conditioning [2]	3,714	2,643	1,071	701	701	(NA)	2,022	991
Plumbing	3,982	2,054	1,928	557	557	(NA)	1,741	1,684
Roofing	5,093	3,161	1,932	(NA)	(NA)	(NA)	3,579	1,514
Painting	6,317	3,529	2,788	(NA)	(NA)	(NA)	(NA)	6,317

NA Not available. [1] Includes types of expenditures not separately specified. [2] Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C50.

No. 1327. Recent Home Buyers—General Characteristics and Downpayments: 1976 to 1983

[As of October. Based on a sample survey; subject to sampling variability]

ITEM	Unit	1976	1977	1978	1979	1980	1981	1982	1983
Median price of house purchased	Dollars	43,340	49,320	54,750	58,100	68,714	78,220	82,500	90,100
First-time buyers	Dollars	37,870	43,160	46,700	50,800	61,450	63,180	58,900	73,100
Repeat buyers [1]	Dollars	50,090	58,730	59,180	64,600	75,750	82,220	98,300	101,800
Average monthly mortgage payment	Dollars	329	361	384	449	599	694	732	794
Percent of income	Percent	24.0	25.0	26.0	28.2	32.4	35.5	33.0	32.5
Percent buying—									
New houses	Percent	15.1	12.8	14.4	17.8	22.4	25.2	23.2	26.4
Existing houses	Percent	84.9	87.2	85.6	82.2	77.6	74.8	76.8	73.6
Single-family houses	Percent	88.8	90.2	86.6	87.5	82.4	78.3	76.6	87.8
Multiple-family houses	Percent	4.8	6.2	7.6	5.3	5.5	6.9	6.5	4.6
Condominiums	Percent	6.4	3.6	5.6	6.8	12.1	13.4	16.9	7.6
For the first time	Percent	44.8	48.1	36.7	36.6	32.9	39.4	40.6	40.5
Average age of first-time buyers	Years	28.1	28.2	28.3	28.4	28.3	28.4	28.6	28.9
Average age of repeat buyers [1]	Years	35.9	37.9	35.5	34.7	36.4	36.4	37.1	37.3
Source of downpayment for—									
First-time buyer:									
Entirely from savings and investments	Percent	70.9	75.6	73.5	43.8	51.1	63.8	67.6	73.2
Help from relatives	Percent	20.4	14.3	8.7	32.6	32.6	17.0	11.3	19.5
Repeat buyers: [1]									
Entirely from savings and investments	Percent	21.2	25.8	19.2	14.8	27.7	22.6	27.5	29.1
Entirely from previous home sale	Percent	45.5	43.9	56.6	55.8	39.7	46.2	52.9	39.4
Downpayment to sales price	Percent	25.2	28.1	21.4	24.9	28.0	24.1	22.4	22.9
First-time buyers	Percent	18.0	19.2	12.4	17.6	20.5	19.4	15.1	15.7
Repeat buyers [1]	Percent	30.8	35.0	27.6	29.0	32.7	27.1	27.3	27.8

[1] Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)

No. 1328. Volume of Long-Term Mortgage Loans Originated, by Type of Property, 1970 to 1983, and by Lender, 1983

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1978	1979	1980	1981	1982	1983, BY LENDER					
								Total [1]	Savings and loan	Commercial banks	Mortgage companies	Fed. credit agencies	Mutual savings
Loans, total	**59.8**	**120.7**	**257.3**	**258.2**	**197.2**	**158.1**	**153.9**	**293.8**	**103.9**	**79.8**	**63.4**	**12.4**	**14.6**
1–4 unit family home	35.6	77.9	185.0	186.6	133.7	98.3	97.0	201.8	81.5	44.8	59.7	3.2	10.8
New units	12.6	24.6	58.0	60.5	49.1	37.3	30.6	47.3	17.2	8.2	16.9	2.2	2.1
Existing units	23.0	53.3	127.0	126.1	84.6	61.0	66.4	154.5	64.3	36.6	42.8	1.0	8.7
Multifamily residential	8.8	10.7	16.5	15.8	12.5	12.0	11.4	19.7	8.5	3.5	.6	2.8	2.0
New units	7.0	5.8	6.9	8.4	8.6	8.0	6.1	7.1	1.8	.9	.2	2.7	.4
Existing units	1.8	4.9	9.6	7.4	3.9	4.0	5.3	12.6	6.7	2.6	.4	.1	1.6
Non-residential	12.5	24.2	42.7	41.0	35.9	32.5	34.3	62.4	13.8	28.6	3.1	.7	1.8
Farm properties	3.0	7.9	13.1	14.8	15.0	15.4	11.2	9.9	.1	2.9	-	5.7	-

- Represents zero. [1] Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970–1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 1329. Characteristics of Conventional First Mortgage Loans for Purchase of Single-Family Homes: 1975 to 1983

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

LOAN CHARACTERISTIC	Unit	NEW HOMES					EXISTING HOMES				
		1975	1980	1981	1982	1983	1975	1980	1981	1982	1983
Contract interest rate	Percent	8.8	12.3	14.1	14.5	12.1	9.0	12.5	14.5	14.8	12.3
Initial fees, charges [1]	Percent	1.53	2.09	2.66	2.96	2.39	1.16	1.91	2.27	2.55	2.40
Term to maturity	Years	27.0	28.1	27.7	27.5	26.7	24.2	26.9	25.9	24.9	25.9
Loan to price ratio	Percent	76.2	73.2	74.8	76.6	77.3	73.5	73.5	72.9	71.9	74.3
Purchase price	$1,000	44.7	83.2	90.3	94.1	93.9	39.2	68.3	68.5	70.7	79.3

[1] Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

No. 1330. Mortgage Status of Nonfarm Dwelling Units: 1940 to 1983

[In millions, except percent. Prior to 1960, excludes Alaska and Hawaii. For 1940 and 1950, mortgage data are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, properties with 1- to 4-dwelling units; for 1971-1981, properties with 1 housing unit. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307]

ITEM	1940	1950	1960	1971	1974	1975	1976	1977	1978	1979	1980	1981	1983
Owner occupied units	11.4	19.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	41.9	43.3	43.5
Reporting mortgage status	10.6	17.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	41.9	43.3	43.5
Mortgaged	4.8	7.8	15.8	20.1	23.0	23.4	24.1	24.9	25.6	26.4	27.1	27.9	27.8
Percent	45.3	44.0	56.8	60.6	63.5	63.0	63.5	64.2	63.9	64.0	64.6	64.5	63.8
Not mortgaged	5.8	10.0	12.0	13.1	13.2	13.8	13.8	13.9	14.5	14.9	14.9	15.4	15.8

Source: U.S. Bureau of the Census, *Census of Housing: 1950*, vol. I; *1960* and *1970*, vol. V; and *Current Housing Reports*, series H-150, Annual Housing Survey, part C.

No. 1331. Residential Finance—Selected Characteristics of Homeowner and Rental Properties: 1981

[Covers nonfarm, privately owned residential properties. A mortgaged property is defined as all of the buildings and land covered by a single first mortgage. Based on a sample of properties and subject to sampling varability]

TYPE OF PROPERTY, MORTGAGE INSURANCE STATUS, AND HOLDER OF MORTGAGE	NUMBER OF PROPERTIES (1,000)					OUTSTANDING MORTGAGE DEBT (bil. dol.)				
	All properties	Homeowner		Rental and vacant		All properties	Homeowner		Rental and vacant	
		Total	1 unit	Total	1 unit		Total	1 unit	Total	1 unit
ALL PROPERTIES										
Total	**53,663**	**43,986**	**41,209**	**9,677**	**7,198**	(x)	(x)	(x)	(x)	(x)
Nonmortgaged	22,593	17,302	16,092	5,290	4,193	(x)	(x)	(x)	(x)	(x)
Mortgaged	31,070	26,684	25,116	4,386	3,005	966.7	723.7	678.1	243.1	75.8
MORTGAGED PROPERTIES [1]										
Mortgage insurance status:										
FHA-insured	4,573	4,075	3,891	498	425	123.9	88.0	83.6	35.9	8.8
VA guaranteed	3,943	3,532	3,431	411	371	108.3	97.7	95.0	10.6	9.3
Insured conventional	3,488	3,040	2,812	448	360	128.8	108.7	100.3	20.1	11.9
Other conventional	19,066	16,037	14,981	3,029	1,850	605.8	429.3	399.2	176.5	45.8
Holder of first mortgage:										
Commercial bank	4,800	4,102	3,878	697	516	136.7	110.1	102.8	26.6	11.2
Mutual savings bank	2,953	2,638	2,414	315	190	74.4	53.8	48.9	20.6	3.7
Savings and loan assn	12,817	10,965	10,219	1,852	1,186	387.6	306.2	283.3	81.4	31.6
Life insurance company	1,135	1,039	1,023	96	69	35.9	16.2	15.9	19.7	1.0
Federally-secured pool	2,670	2,454	2,377	216	186	90.4	80.1	77.6	10.3	5.8
Other	6,694	5,484	5,205	1,210	857	241.8	157.4	149.6	84.4	22.7

X Not applicable. [1] Refers to first mortgage.

Source: U.S. Bureau of the Census, *1980 Census of Housing, Vol. 5, Residential Finance.*

No. 1332. Single-Unit, Homeowner Mortgaged Properties—Selected Mortgage Characteristics, by Mortgage Insurance Status: 1981

[See headnote, table 1331]

CHARACTERISTIC	Unit	All mortgaged properties	Conventional first mortgage	GOVERNMENT-INSURED FIRST MORTGAGE	
				FHA	VA
Single-unit properties, total	1,000	25,116	17,793	3,891	3,432
Year first mortgage made or assumed:					
1979 to 1981	1,000	5,985	4,302	878	805
1975 to 1978	1,000	8,979	7,071	816	1,092
1970 to 1974	1,000	4,820	3,417	829	574
1960 to 1969	1,000	4,733	2,867	1,168	698
1959 or earlier	1,000	599	135	201	263
Median first mortgage—					
Loan	Dollars	24,900	26,300	18,900	25,200
Debt outstanding	Dollars	21,300	22,400	15,500	22,600
Current interest rate on first mortgage:					
Less than 6%	1,000	3,232	1,194	1,205	834
6.0 to 6.9%	1,000	2,323	1,851	258	213
7.0 to 7.9%	1,000	3,631	2,417	669	544
8.0 to 8.9%	1,000	6,013	4,280	792	940
9.0 to 9.9%	1,000	4,680	3,913	354	413
10.0 to 11.9%	1,000	3,297	2,527	426	344
12.0% or more	1,000	1,941	1,610	186	144
Median	Percent	8.7	8.9	7.6	8.0
First mortgages with—					
Variable interest rates	Percent	25.5	36.0	-	.2
Graduated interest and principal payments	Percent	8.5	9.8	8.6	2.0

- Represents zero.

Source: U.S. Bureau of the Census, *1980 Census of Housing, Vol. 5, Residential Finance.*

No. 1333. One-Family Homes, FHA-Insured Mortgages: 1975 to 1983

[Data for sec. 203(b) of National Housing Act only. For definition of median, see Guide to Tabular Presentation]

Characteristic	Unit	New homes							Existing homes						
		1975	1978	1979	1980	1981	1982	1983	1975	1978	1979	1980	1981	1982	1983
Number of mortgages	1,000	35.7	36.6	37.0	30.7	23.2	17.5	38.1	178.9	218.9	241.8	198.0	109.6	85.5	328.7
Average monthly occupant expenses:															
Real estate taxes	Dollars	49	56	57	58	67	57	59	40	44	43	49	51	56	63
Maintenance and repair	Dollars	22	23	29	30	34	40	37	20	24	28	31	34	38	39
Heating and utilities	Dollars	42	61	68	74	87	91	101	43	60	68	79	89	104	114
Average purchase transactions:															
Total acquisition cost [1]	$1,000	33.0	41.5	50.3	56.0	60.9	62.2	64.2	26.9	34.0	39.4	45.0	47.7	51.1	56.3
Closing costs	Dollars	672	772	856	981	1,049	1,144	1,173	606	761	846	960	1,054	1,104	1,197
Market price of site [2]	$1,000	6.4	7.7	9.8	11.8	12.4	12.8	12.8	5.5	6.9	8.1	10.1	11.4	11.7	12.8
Median value and cost:															
Amount of mortgage	$1,000	29.7	37.3	45.0	50.1	53.8	54.8	56.4	24.6	30.9	35.4	39.6	41.5	42.4	46.3
Estimated value	$1,000	32.5	41.1	50.4	56.0	60.9	62.5	63.9	26.2	33.0	38.4	44.0	47.0	50.6	56.2
Annual loan/value ratio	Percent	92.8	93.0	93.5	92.6	91.5	91.5	91.7	94.9	95.5	95.1	93.9	93.2	89.4	90.7
Income of occupant	$1,000	17.1	20.4	24.3	27.1	32.2	34.4	33.8	15.5	18.3	21.2	24.7	28.4	32.1	32.2
Monthly mortgage payment	Dollars	284	969	469	568	697	766	692	245	300	368	466	545	630	613
Average term of mortgage	Years	30.0	29.9	29.9	29.9	29.8	29.7	29.0	29.3	29.5	29.5	29.5	29.5	29.1	28.8
Interest rates [3]	Percent	8.5	9.5	10.0	11.5	15.5	15.5	12.5	8.5	9.5	10.0	11.5	15.5	15.5	12.5

[1] *Sales price plus closing costs.* [2] *Includes street improvements or utilities, rough grading, terracing and retaining walls, if* any, for site. [3] Represents maximum rate in effect as of July 1. Sec. 203(b) interest rates deregulated Nov. 30, 1983.

Source: U.S. Dept. of Housing and Urban Development, 1975–1979, HUD Statistical Yearbook; thereafter, unpublished data.

No. 1334. Residential Loans Underwritten by FHA: 1970 to 1983

[**In millions of dollars.** Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970,* series N 291–297]

Loan	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
FHA-insured loans	**11,982**	**7,941**	**9,746**	**13,000**	**16,098**	**22,848**	**22,301**	**14,976**	**14,105**	**31,651**
Home mortgages: New properties	2,667	1,148	1,087	1,664	1,881	3,409	4,071	3,177	2,444	4,209
Existing properties	5,447	5,017	5,275	7,177	9,259	14,758	12,387	7,102	5,643	22,363
Project type mortgages	3,251	976	2,315	2,818	3,270	2,719	4,197	3,024	4,464	3,227
Property improvement loans [1]	617	799	1,071	1,341	1,688	1,962	1,646	1,674	1,554	1,852

[1] Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970–1979 *HUD Statistical Yearbook; thereafter, unpublished data.*

No. 1335. Nonresidential Buildings—Type, by Region and Square Footage: 1979–1980

[*In thousands. Building type based on predominant activity in which the occupants were engaged.* Based on a sample survey of building representatives conducted October 1979 to January 1980; subject to sampling variability. For composition of regions, see fig. I, inside front cover. Excludes Alaska and Hawaii]

Type	Total	Northeast	Midwest	South	West	Square footage: 1,000 or less	1,001 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 and over	Average sq. ft. per building	Median sq. ft. per building
Nonresidential bldgs., number	**4,238**	**735**	**1,326**	**1,566**	**612**	**677**	**1,729**	**801**	**596**	**436**	**12.9**	**4.1**
Assembly	446	57	146	199	46	44	156	131	79	38	11.2	6.0
Auto, sales, service	401	77	145	122	57	92	197	78	28	7	4.5	2.4
Education	161	23	35	75	28	10	33	21	31	67	36.2	18.3
Food sales	366	56	118	139	53	70	207	51	31	8	5.1	2.5
Health care	44	7	18	15	5	4	15	9	6	10	38.5	5.4
Industrial	243	36	80	86	41	22	58	55	45	63	29.4	9.1
Lodging	101	13	12	54	23	10	33	22	16	20	19.9	6.1
Office	600	104	192	199	105	89	259	115	86	52	13.6	4.1
Residential	347	131	109	78	29	41	177	45	64	19	9.0	3.7
Retail/services	714	114	227	277	96	123	292	152	95	52	10.7	4.0
Warehouse and storage	430	59	137	157	77	79	169	59	64	60	14.1	3.9
Other	237	34	68	94	40	58	76	38	39	26	13.2	3.8
Vacant	146	23	39	70	13	37	59	24	12	13	8.7	2.7

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics,* March 1981.

1985

Section 29

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures;* and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin.* Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 18, Business Enterprise, in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The most recent, 1981, annual survey is based on a sample of about 56,000 establishments of an approximate total of 225,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1977 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC),* issued by the U.S. Office of Management and Budget (see text, p. 388). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual.* It is important to note therefore, that the 1972 edition of the *Manual* was used for the 1972 and 1977 censuses; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the 1982 census while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. For the 1967 and 1972 censuses, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the

basis of government administrative records and industry averages. In the 1982 Census, data were based on administrative records for all establishments with fewer than 5 employees; and, depending on the industry, for those with fewer than 20. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the *SIC Manual* in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

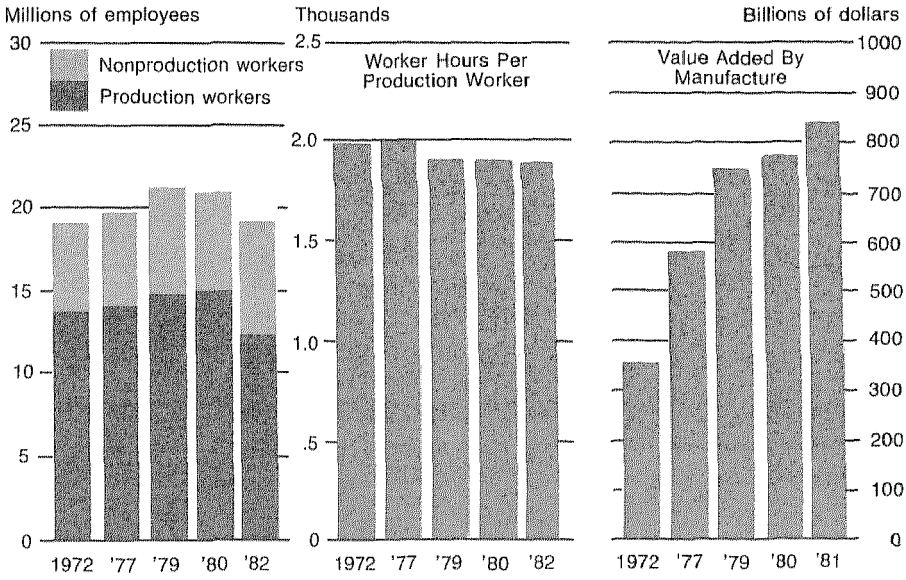
No. 1336. National Income Originating in Manufacturing: 1958 to 1983

[*In billions of dollars, except percent.* 1958, excludes Alaska and Hawaii. For definition of national income, see text, p. 427. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970,* series F 230, for single-year figures prior to revisions issued in 1981]

ITEM	1958	1963	1967	1972	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total manufacturing	**108**	**144**	**194**	**252**	**318**	**367**	**413**	**465**	**509**	**527**	**581**	**550**	**580**
Percent of national income	29	29	29	26	25	26	26	26	25	24	24	22	22
Durable goods	**62**	**86**	**119**	**154**	**186**	**217**	**250**	**286**	**311**	**312**	**340**	**311**	**330**
Percent of total	58	60	61	61	58	59	60	61	61	59	59	57	57
Machinery, except electrical	10	14	22	28	37	42	49	56	64	68	75	69	64
Electric and electronic equipment	8	12	18	23	27	31	36	41	45	50	54	54	57
Fabricated metal products	8	10	15	19	24	28	32	36	40	41	43	40	41
Other transportation equipment	8	10	14	13	16	18	20	23	26	29	31	32	32
Primary metal industries	9	11	14	18	24	26	28	34	38	38	41	28	29
Motor vehicles and equipment	5	11	13	20	19	27	33	35	32	22	27	25	34
Instruments and related products	3	4	6	7	9	11	12	14	15	17	20	21	22
Stone, clay, and glass products	4	5	6	9	10	12	13	16	17	16	16	14	17
Lumber and wood products	3	4	5	8	8	11	13	16	17	15	14	12	15
Miscellaneous manufacturing industries	2	3	3	5	5	6	7	7	8	8	10	9	9
Furniture and fixtures	2	2	3	4	5	5	6	7	8	8	8	8	9
Nondurable goods	**46**	**57**	**75**	**98**	**132**	**150**	**163**	**179**	**198**	**215**	**241**	**238**	**250**
Food and kindred products	11	14	16	20	31	31	34	35	38	41	46	46	47
Chemicals and allied products	8	10	13	18	25	29	31	33	35	37	42	42	45
Petroleum and coal products	4	4	6	7	15	19	19	21	28	36	43	40	37
Printing and publishing	6	7	10	14	17	19	21	24	26	28	31	33	37
Paper and allied products	4	5	7	9	12	14	15	17	19	20	21	20	23
Rubber and miscellaneous plastic products	3	4	5	8	9	10	12	14	15	15	17	17	19
Apparel and other textile products	4	6	7	10	11	12	14	15	15	16	18	17	19
Textile mill products	4	5	6	8	9	11	12	13	14	13	14	13	15
Tobacco manufactures	1	1	1	2	2	3	3	3	4	4	4	5	5
Leather and leather products	1	2	2	2	2	3	3	3	3	4	4	4	4

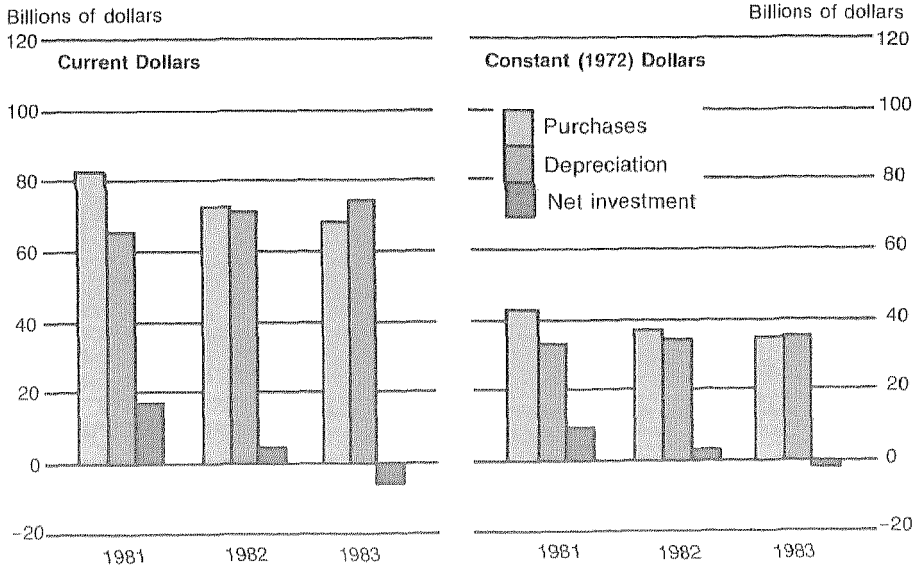
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76,* and *Survey of Current Business,* July issues.

Figure 29.1
Manufactures—Summary: 1972 to 1982



Source: Chart prepared by U.S Bureau of the Census. For data, see table 1337.

Figure 29.2
Capital in Manufacturing Establishments: 1981 to 1983



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1350.

No. 1337. Manufactures—Summary: 1954 to 1982

[1954 excludes Alaska and Hawaii. Census data, except as noted. For establishment coverage, see text, p. 744. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1979 [1]	1980 [1]	1981 [1]	1982
Number of establishments [2]	1,000	[3] 287	303	312	311	321	360	(NA)	(NA)	(NA)	356
With 20 or more employees	1,000	[3] 90	95	102	110	114	119	(NA)	(NA)	(NA)	123
All employees, [4] annual average [5]	Million	16.1	16.0	17.0	19.3	19.0	19.6	21.0	20.6	20.3	19.1
Payroll, all employees	Bil. dol	66	78	100	132	174	264	329	350	379	380
Payroll per employee	$1,000	4.1	4.9	5.9	6.8	9.2	13.5	15.6	17.0	18.7	19.9
Production workers, annual average	Million	12.4	11.7	12.2	14.0	13.5	13.7	14.5	13.9	13.5	12.4
Percent of all employees	Percent	77.0	73.1	71.8	72.2	71.1	69.9	69.1	67.3	66.8	64.8
Hours, production workers	Billion	24.3	22.7	24.5	27.8	26.7	26.7	28.3	26.7	26.2	23.5
Hours per worker	1,000	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
Wages, production workers	Bil. dol	45	50	62	81	106	157	193	198	212	205
Percent of payroll for all employees	Percent	68.2	64.1	62.0	61.6	60.6	59.5	58.6	56.6	56.0	53.9
Wages per worker	$1,000	3.6	4.3	5.1	5.8	7.8	11.5	13.3	14.3	15.7	16.5
Wages per worker hour	Dollar	1.83	2.19	2.53	2.92	3.95	5.89	6.81	7.41	8.09	8.69
Value added by manufacture [6]	Bil. dol	117	142	192	262	354	585	747	774	838	(NA)
Per production worker	$1,000	9.5	12.1	15.7	18.8	26.2	42.7	51.4	55.7	61.8	(NA)
Per production worker hour	Dollar	4.81	6.25	7.83	9.41	13.26	21.93	26.39	28.93	31.93	(NA)
Per dollar of workers' wages	Dollar	2.60	2.84	2.90	3.22	3.36	3.72	3.88	3.91	3.95	(NA)
Cost of materials	Bil. dol	(NA)	(NA)	230	299	407	782	999	1,094	1,194	1,129
Value of shipments [7]	Bil. dol	(NA)	(NA)	421	557	757	1,359	1,727	1,853	2,018	1,962
Per production worker	$1,000	(NA)	(NA)	34.4	39.9	55.9	99.2	118.8	133.3	149.0	158.3
End-of-year inventories	Bil. dol	40	49	60	84	108	188	239	262	279	(NA)
Capital expenditures, new [8]	Bil. dol	8.2	9.5	11.4	21.5	24.1	47.5	61.5	70.1	78.6	75.0
Ratios:											
Value added to shipments	Ratio	(NA)	(NA)	45.6	47.0	46.7	42.9	43.3	41.8	41.5	(NA)
Inventories to shipments	Ratio	(NA)	(NA)	14.2	15.0	14.2	13.8	13.8	14.1	13.8	(NA)
Payroll to value added	Ratio	56.4	54.9	52.0	50.3	49.1	45.2	44.0	45.3	45.2	(NA)
Gross book value of depreciable assets	Bil. dol	(NA)	(NA)	158	218	301	439	523	574	630	(NA)
Machinery and equipment	Bil. dol	(NA)	(NA)	(NA)	157	218	328	394	434	479	(NA)
Assets per employee	$1,000	(NA)	(NA)	9.3	11.3	16.4	22.4	24.8	27.8	31.1	(NA)

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures;* see text, p. 743. [2] Includes administrative *and auxiliary units, except as noted.* [3] Excludes administrative offices and auxiliary units. [4] Includes data for employees of manufacturing establishments engaged in distribution and construction work. [5] Data for most industries in 1954 and for all industries since 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For industries of a seasonal type in 1954, data represent average of 12 monthly figures. [6] Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. [7] Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. [8] Includes plants under construction and not yet in operation.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1954, 1958, 1963, 1967, 1972,* and *1977* final reports, and *1982* preliminary; and *Annual Survey of Manufactures.*

No. 1338. Manufactures—Summary, by Type of Operation: 1947 to 1977

[A multiunit company operates establishments at more than one location. See text, p. 744]

ITEM	Unit	1947	1954	1958	1963	1967	1972	1977
Multiunit companies: Establishments	1,000	35.2	31.8	41.9	45.9	51.7	70.2	81.2
Employees	Million	8.0	9.5	10.1	11.0	13.3	14.3	15.0
Production workers	Million	6.7	7.4	7.2	8.1	9.8	9.8	10.1
Payroll, all employees	Bil. dol	22.8	40.6	51.8	68.2	93.8	138.8	214.2
Wages, production workers	Bil. dol	17.8	29.0	33.5	44.7	60.9	81.9	124.9
Value added by manufacture	Bil. dol	43.9	79.6	105.3	146.6	206.4	286.1	485.0
Capital expenditures, new	Bil. dol	(NA)	6.5	7.5	8.9	18.6	20.0	41.0
Single unit companies: Establishments	1,000	205.6	255.0	256.3	260.8	[1] 254.0	[1] 250.5	[1] 278.7
Employees	Million	6.3	6.2	5.3	5.2	[1] 5.2	[1] 4.8	[1] 4.6
Payroll, all employees	Bil. dol	16.9	22.3	21.9	25.1	[1] 28.5	[1] 35.4	[1] 49.8
Value added by manufacture	Bil. dol	30.3	37.4	37.9	45.5	[1] 55.5	[1] 67.9	[1] 100.1

NA Not available. [1] Includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, *1977 Census of Manufactures, Type of Organization,* subject series, MC77-SR-7.

No. 1339. Industrial Production Indexes, by Industry: 1970 to 1984

[1967=100. Based on 1967 *Standard Industrial Classification Manual* (see text, pp. 743 and 744). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

SIC code	MAJOR INDUSTRY GROUP	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, Jan.-June
(X)	**Industrial production**	**108**	**130**	**129**	**118**	**131**	**138**	**146**	**153**	**147**	**151**	**139**	**148**	**160**
(X)	**Manufacturing**	**106**	**130**	**129**	**116**	**130**	**138**	**147**	**154**	**147**	**150**	**138**	**148**	**163**
(X)	**Durable goods**	**102**	**127**	**126**	**109**	**122**	**130**	**140**	**146**	**137**	**141**	**125**	**135**	**152**
33	Primary metals	107	127	123	96	110	111	120	121	102	108	75	85	97
34	Fabricated metal products	102	125	124	110	124	131	142	149	134	136	115	120	135
36	Electrical machinery	108	143	144	117	135	145	159	175	173	178	169	186	175
35	Nonelectrical machinery	104	134	140	125	135	144	154	164	163	171	149	155	212
37	Transportation equipment	90	118	109	97	111	122	133	135	117	116	105	116	135
38	Instruments	112	138	144	132	147	156	167	175	171	170	162	159	171
32	Clay, glass, stone products	106	134	133	118	136	146	157	164	146	148	128	143	160
24	Lumber and products	106	126	116	108	123	131	136	137	119	119	113	137	148
25	Furniture and fixtures	108	144	138	118	137	145	156	162	150	157	152	171	188
39	Miscellaneous	111	138	138	128	145	149	151	154	148	155	137	146	151
(X)	**Nondurable goods**	**112**	**134**	**135**	**126**	**142**	**151**	**157**	**164**	**161**	**165**	**156**	**168**	**178**
22	Textile mill products	112	143	133	122	135	134	138	145	139	136	125	141	142
31	Leather and products	90	83	78	77	77	74	74	72	70	69	61	62	63
26	Paper and products	115	137	135	116	133	138	145	151	151	155	151	164	173
27	Printing and publishing	107	118	118	113	123	128	132	137	140	144	144	153	166
28	Chemicals and products	120	155	159	147	171	186	197	212	207	216	196	215	227
29	Petroleum products	113	129	125	124	134	143	145	144	133	130	122	120	126
30	Rubber and plastics products	132	184	195	167	200	232	254	272	256	274	255	292	326
20	Food	109	121	124	123	133	139	143	148	150	152	151	156	(NA)
21	Tobacco products	102	112	110	112	117	113	118	118	120	122	118	112	(NA)
(X)	**Mining**	**112**	**115**	**115**	**113**	**114**	**118**	**124**	**126**	**133**	**142**	**126**	**117**	**125**
(X)	**Utilities**	**125**	**145**	**144**	**146**	**152**	**157**	**161**	**166**	**168**	**169**	**169**	**172**	**181**
(X)	**Energy** [1]	**117**	**128**	**126**	**126**	**129**	**133**	**135**	**138**	**138**	**137**	**136**	**136**	**143**

NA Not available. X Not applicable. [1] Production of energy is represented by output of primary energy, such as crude oil, natural gas, and coal mining, and by the conversion of primary energy to other energy forms for final consumption.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1340. Capacity Utilization Rates in Manufacturing: 1970 to 1983

[**In percent.** Annual figures are averages of quarterly data. Capacity represents maximum practical amount of output that can be produced with current stock of plant and equipment]

INDUSTRY	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
All manufacturers	**81**	**83**	**86**	**83**	**77**	**81**	**83**	**84**	**82**	**78**	**76**	**70**	**74**
Firms with assets of—													
$100 million and over	83	86	88	85	78	84	85	86	85	79	77	70	74
$10 million-$99.9 million	79	81	83	81	75	78	80	81	81	78	77	72	74
Under $10 million	73	77	79	77	72	76	78	78	76	72	74	68	72
Durable goods [1]	78	82	85	82	76	81	84	84	83	77	74	66	71
Electrical machinery	76	81	82	83	73	80	82	83	82	80	76	72	75
Machinery, except electrical	86	84	87	88	83	86	89	91	91	90	89	80	79
Transportation equipment [1]	75	85	87	78	76	82	86	85	80	72	68	63	70
Motor vehicles	81	97	100	83	83	93	99	95	84	67	63	60	76
Aircraft	68	69	69	71	65	65	68	70	76	79	75	69	66
Primary metals	82	86	88	88	73	78	80	84	84	74	73	52	59
Stone, clay, and glass	76	83	83	79	70	77	79	80	80	73	70	64	70
Nondurable goods [1]	83	85	86	84	79	82	82	82	82	79	78	74	77
Food, including beverages	82	81	81	80	77	77	78	79	79	76	78	76	76
Textiles	82	89	90	81	78	85	86	85	83	80	80	74	83
Paper	88	90	94	91	79	87	86	88	91	88	86	81	86
Chemicals	82	84	88	85	74	80	78	80	83	78	75	69	73
Petroleum	95	94	97	89	89	93	92	90	88	81	74	72	74
Rubber	82	89	89	85	74	80	85	83	77	70	72	73	78

[1] Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis. Quarterly data in *Survey of Current Business*, monthly.

No. 1341. MANUFACTURES SUMMARY,

[Sum of State totals may not add to U.S. total

	STATE	1967				1972				1977		
		Establishments [1] (total)	All employees [2] Number [3] (1,000)	All employees [2] Payroll (mil. dol.)	Value added by manufacture [4] (mil. dol.)	Establishments [1] (total)	All employees [2] Number [3] (1,000)	All employees [2] Payroll (mil. dol.)	Value added by manufacture [4] (mil. dol.)	Establishments [1] Total	Establishments [1] With 20 or more employees	All employees, number [2 3] (1,000)
1	U.S.	311,140	19,323	132,209	261,984	320,710	19,029	174,206	353,954	359,928	118,699	19,590
2	N.E	24,286	1,562	10,190	18,972	23,732	1,363	11,908	22,508	25,737	8,861	1,390
3	ME	2,385	111	577	1,070	2,076	100	699	1,383	2,157	595	103
4	NH	1,481	95	513	932	1,434	90	663	1,279	1,825	623	95
5	VT	925	43	259	515	860	37	311	576	1,030	298	42
6	MA	10,963	714	4,646	8,715	10,770	619	5,486	10,678	11,133	4,054	613
7	RI	2,703	122	700	1,351	2,756	118	888	1,764	3,107	945	125
8	CT	5,829	478	3,494	6,390	5,836	399	3,860	6,828	6,485	2,366	412
9	M.A.	76,422	4,360	30,527	57,232	71,808	3,933	37,123	70,331	71,009	24,904	3,617
10	NY	42,911	1,929	13,852	25,247	38,341	1,679	16,220	30,404	36,578	11,425	1,510
11	NJ	14,740	861	6,325	12,798	15,069	836	8,107	16,409	15,696	5,775	778
12	PA	18,771	1,550	10,350	19,277	18,398	1,418	12,794	23,519	18,735	7,704	1,329
13	E.N.C.	63,062	5,151	38,495	75,016	64,674	4,933	50,960	99,951	69,237	25,941	4,974
14	OH	15,428	1,397	10,523	20,435	16,390	1,346	13,810	27,171	17,354	6,728	1,331
15	IN	6,920	710	5,023	10,308	7,354	704	6,882	14,112	8,061	3,229	706
16	IL	18,536	1,397	10,014	20,017	18,618	1,306	12,801	25,849	19,517	7,441	1,286
17	MI	14,340	1,134	9,357	17,242	14,467	1,076	12,745	23,376	15,627	5,380	1,116
18	WI	7,838	512	3,578	7,014	7,845	501	4,722	9,443	8,678	3,163	535
19	W.N.C	20,623	1,206	8,165	16,773	21,467	1,202	10,923	23,586	24,321	7,604	1,297
20	MN	5,409	300	2,107	4,080	5,698	302	2,889	5,524	6,637	2,126	332
21	IA	3,386	210	1,435	3,251	3,387	216	2,039	4,758	3,783	1,245	240
22	MO	6,545	452	3,049	5,895	6,732	434	3,897	8,169	7,354	2,429	433
23	ND	454	8	42	113	482	10	79	201	571	145	14
24	SD	604	16	93	171	606	17	135	285	740	195	23
25	NE	1,672	77	476	1,150	1,723	85	704	1,733	1,965	626	88
26	KS	2,551	144	965	2,112	2,839	137	1,161	2,915	3,270	1,037	168
27	S.A	37,961	2,502	14,014	29,313	41,535	2,739	20,640	44,352	47,692	15,560	2,823
28	DE	528	71	588	958	567	69	755	1,292	619	231	67
29	MD	3,401	288	1,956	3,781	3,579	256	2,386	4,707	3,937	1,951	244
30	DC	593	23	179	333	564	19	215	376	555	130	19
31	VA	4,938	340	1,905	4,068	4,837	375	2,826	6,178	5,519	1,879	395
32	WV	1,844	124	832	2,170	1,734	121	1,098	2,647	1,857	583	117
33	NC	8,266	643	3,066	6,607	8,632	744	4,929	11,015	9,954	4,005	765
34	SC	3,465	304	1,502	3,030	3,719	345	2,345	4,966	4,229	1,560	374
35	GA	6,976	423	2,231	4,684	7,629	468	3,336	7,386	8,623	2,906	485
36	FL	7,950	285	1,755	3,683	10,275	343	2,750	5,787	12,399	2,915	358
37	E.S.C	15,746	1,092	5,909	13,718	16,525	1,249	9,211	21,234	19,187	6,797	1,328
38	KY	2,994	225	1,352	3,636	3,167	259	2,160	5,682	3,548	1,318	278
39	TN	5,040	418	2,190	4,921	5,647	467	3,352	7,662	6,487	2,477	490
40	AL	4,951	289	1,603	3,526	4,984	323	2,397	5,066	5,863	1,655	341
41	MS	2,761	160	764	1,635	2,727	200	1,302	2,825	3,289	1,147	219
42	W.S.C	21,883	1,083	6,855	16,617	24,020	1,239	10,286	24,603	29,796	9,048	1,442
43	AR	2,911	144	666	1,558	2,897	161	1,152	2,800	3,595	1,101	197
44	LA	3,639	165	1,064	2,790	3,657	179	1,601	4,273	4,276	1,236	195
45	OK	2,611	118	764	1,346	3,042	143	1,188	2,270	3,816	1,067	164
46	TX	12,722	658	4,340	10,922	14,424	736	6,345	15,259	18,107	5,644	886
47	Mt	6,679	315	2,123	4,522	10,119	388	3,469	7,446	13,808	3,220	461
48	MT	923	20	130	312	943	21	185	463	1,168	203	24
49	ID	1,131	37	220	503	1,190	43	340	821	1,495	379	52
50	WY	331	6	37	86	377	7	57	144	505	102	9
51	CO	2,461	104	731	1,509	2,841	133	1,298	2,504	3,948	961	153
52	NM	749	17	99	205	926	24	157	358	1,323	258	29
53	AZ	1,630	77	543	995	2,037	94	655	1,880	2,892	677	111
54	UT	1,124	47	315	778	1,358	57	486	1,069	1,748	494	70
55	NV	330	7	50	134	447	10	92	208	729	147	15
56	Pac	42,433	2,050	15,911	29,675	46,829	1,983	19,685	39,986	59,106	16,534	2,255
57	WA	5,014	271	2,119	3,764	5,345	226	2,308	4,721	6,723	1,712	265
58	OR	4,437	163	1,083	2,061	4,670	179	1,627	3,490	5,716	1,580	202
59	CA	31,962	1,584	12,515	23,394	35,699	1,546	15,483	31,195	45,289	12,883	1,752
60	AK	323	8	56	130	342	8	75	170	429	128	11
61	HI	697	25	140	326	773	25	191	410	949	231	25

X Not applicable. [1] Includes central administrative offices and auxiliary units. [2] Includes employment and payroll at administrative offices and auxiliary units. [3] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

BY STATE: 1967 TO 1981

because U.S. and State figures were independently derived]

1977—Con.				1980, value of shipments [5] (mil. dol.)	1981		Leading major industry groups ranked by value added by manufacture, 1980	
All employees, payroll [2 3] (mil. dol.)	Production workers [2]		Value added by manufacture [4] (mil. dol.)		All employees, number [2 3] (1,000)	Value of shipments [5] (mil. dol.)		
	Number [3] (1,000)	Wages (mil. dol.)						
264,013	**13,691**	**157,164**	**585,166**	**1,852,668**	**20,264**	**2,017,543**	**Mach. exc. electrical; trans. equip.; chemicals.**	1
17,602	**943**	**9,623**	**35,587**	**96,436**	**1,550**	**105,537**	(x)	2
1,078	84	781	2,343	7,697	115	9,127	Paper; leather; lumber.	3
1,029	72	645	2,175	6,589	111	7,259	Elec. equip.; machinery exc. elec.; paper.	4
498	29	270	1,050	3,197	50	3,645	Elec. equip.; mach. exc. elec.; fabricated metal.	5
7,819	408	4,199	16,349	43,535	692	47,905	Machinery exc. elec.; elec. equip.; instruments.	6
1,327	95	825	2,737	7,377	127	7,574	Misc. mfg.; fabricated metal; primary metal.	7
5,852	255	2,902	10,934	28,041	455	30,027	Trans. equip.; mach. exc. elec.; fabricated metal.	8
49,843	**2,382**	**26,929**	**103,160**	**288,617**	**3,586**	**307,518**	(x)	9
20,876	958	10,419	44,290	112,213	1,502	119,301	Instruments; print. and publish.; elec. equip.	10
10,924	490	5,562	22,853	68,470	793	73,035	Chemicals; food; electrical equip.	11
18,043	934	10,949	36,017	107,935	1,291	115,182	Primary metal; machinery exc. electrical; food.	12
76,908	**3,475**	**48,128**	**160,223**	**441,859**	**4,577**	**479,463**	(x)	13
20,356	924	12,908	43,055	113,974	1,219	122,287	Mach. exc. elec.; trans. equip.; fabricated metal.	14
10,439	522	7,047	22,718	63,440	643	70,292	Electrical equip.; trans. equip.; primary metal.	15
18,741	858	10,757	40,279	121,288	1,210	126,986	Machinery exc. elec.; food; elec. equip.	16
20,054	789	12,721	37,566	92,948	977	105,175	Trans. equip.; machinery exc. elec.; fab. metal.	17
7,318	381	4,697	16,606	50,209	528	54,723	Machinery exc. elec.; food; paper.	18
17,389	**891**	**10,331**	**40,621**	**144,860**	**1,364**	**157,105**	(x)	19
4,693	211	2,413	9,605	32,963	373	35,504	Machinery exc. elec.; food; fabricated metal.	20
3,383	171	2,191	8,684	30,654	236	33,221	Machinery exc. elec.; food; chemicals.	21
5,709	299	3,405	13,042	38,715	430	41,206	Transportation equip.; food; chemicals.	22
162	9	97	473	2,106	15	2,362	Machinery exc. elec.; food; petroleum and coal.	23
251	17	169	612	2,720	27	2,926	Food; machinery exc. electrical; instruments.	24
1,075	63	681	2,867	13,580	95	15,412	Food; machinery exc. elec.; elec. equip.	25
2,115	122	1,371	5,338	24,121	188	26,474	Trans. equip.; machinery exc. elec.; food.	26
31,502	**2,131**	**19,996**	**72,304**	**231,731**	**3,045**	**253,671**	(x)	27
1,141	32	410	1,596	8,030	67	9,050	Chemicals; transp. equip; food.	28
3,420	163	1,976	7,116	20,291	243	21,321	Food; electronic equipment; primary metal.	29
298	8	102	610	1,231	16	1,346	Printing and publishing; food; fabricated metal.	30
4,442	302	2,917	10,882	33,118	411	35,910	Chemicals; food; tobacco.	31
1,621	89	1,124	3,880	11,236	109	11,928	Chem.; primary metal; stone, clay, glass prod.	32
7,519	611	5,086	18,231	56,029	822	62,193	Textiles; tobacco; chemicals.	33
3,805	300	2,640	8,186	25,383	388	27,878	Textiles; chemicals; machinery exc. elec.	34
5,125	376	3,404	12,549	43,157	527	47,246	Textiles; transportation equipment; food.	35
4,133	250	2,336	9,255	33,257	462	36,799	Food; electrical equip.; chemicals.	36
14,506	**1,036**	**9,959**	**36,234**	**111,156**	**1,309**	**121,981**	(x)	37
3,452	209	2,303	9,546	28,845	267	30,403	Machinery exc. elec.; food; elec. equip.	38
5,219	376	3,481	12,663	36,397	492	41,258	Chemicals; food; machinery exc. elec.	39
3,773	273	2,698	8,406	28,552	346	30,509	Primary metals; paper; chemicals.	40
2,062	178	1,477	5,619	17,362	204	19,811	Petroleum; elec. equip; transp. equip.	41
18,319	**1,017**	**10,990**	**52,112**	**247,547**	**1,678**	**281,945**	(x)	42
1,932	161	1,401	4,882	16,483	197	18,510	Electronic equipment; food; paper.	43
2,683	145	1,799	9,418	50,319	208	57,796	Chemicals; petroleum; food.	44
2,051	110	1,164	4,662	21,764	205	25,311	Machinery exc. elec.; fabricated metal; petrol.	45
11,653	601	6,626	33,150	158,981	1,068	180,328	Chemicals; petroleum; machinery exc. electrical.	46
5,991	**312**	**3,489**	**13,622**	**52,358**	**572**	**56,759**	(x)	47
312	19	236	802	4,710	23	4,290	Primary metals; lumber; petroleum.	48
625	40	432	1,430	4,967	50	5,005	Lumber; food; chemicals.	49
111	6	74	382	2,819	11	3,164	Petroleum; chemicals; stone, glass, clay.	50
2,125	98	1,143	4,472	15,396	188	17,213	Food; instruments; machinery exc. elec.	51
297	21	184	734	3,069	34	3,230	Primary metals; petroleum; food.	52
1,463	70	781	3,333	11,175	156	12,484	Elec. equip.; machinery exc. elec.; trans. equip.	53
867	49	522	1,974	8,845	92	9,815	Machinery exc. elec.; prim. metals; trans. equip.	54
192	10	113	495	1,377	18	1,558	Stone, clay, glass; print. and publishing; food.	55
31,929	**1,505**	**17,720**	**71,245**	**236,335**	**2,587**	**253,570**	(x)	56
4,054	181	2,385	8,955	35,376	304	36,790	Transportation equipment; lumber; food.	57
2,760	155	1,902	6,138	18,900	204	18,835	Lumber; food; instruments.	58
24,672	1,143	13,151	54,862	176,831	2,040	192,965	Transportation equip.; elec. equip.; food.	59
166	9	123	504	1,758	13	1,954	Food; chemicals; paper.	60
277	17	161	786	3,470	26	3,626	Food; petroleum; printing and publishing.	61

[4] For definition, see footnote 6, table 1337. [5] See footnote 7, table 1337.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967 and 1972, General Summary*, MC 67(1)-1 and MC 72(1)-1; *Census of Manufactures, 1977*, vol. III, Area Statistics; and *Annual Survey of Manufactures*.

No. 1342. Manufactures—Summary

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of

Industry code [1]	INDUSTRY GROUP	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)	1977 Establishments (number)	1977 All employees Number [2] (1,000)	1977 All employees Payroll (mil. dol.)	1977 Value added by manufacture [3] (mil. dol.)
(x)	**All manufacturing establishments, incl. central administrative offices**	**320,701**	**19,027**	**174,187**	**353,973**	**359,928**	**19,590**	**264,013**	**585,166**
20	**Food and kindred products**	**28,183**	**1,569**	**12,920**	**35,615**	**26,656**	**1,520**	**18,544**	**56,062**
201	Meat products	4,437	308	2,544	4,961	4,534	309	3,702	7,478
202	Dairy products	4,590	189	1,596	4,054	3,731	154	1,939	5,648
203	Preserved fruits and vegetables	2,557	233	1,534	4,514	2,379	235	2,336	7,685
204	Grain mill products	3,080	111	1,013	3,699	3,043	113	1,576	6,626
205	Bakery products	3,633	235	2,029	4,537	3,386	222	2,866	7,073
206	Sugar and confectionery products	1,249	107	832	2,473	1,198	105	1,206	4,151
207	Fats and oils	860	40	366	1,291	869	41	561	1,905
208	Beverages	3,624	212	2,033	6,689	3,104	195	2,849	9,901
209	Misc. foods and kindred products	4,153	134	974	3,397	4,412	146	1,509	5,596
21	**Tobacco products**	**272**	**66**	**502**	**2,637**	**228**	**61**	**751**	**4,334**
211	Cigarettes	20	38	345	2,188	14	39	568	3,803
212	Cigars	124	14	68	192	101	8	55	126
213	Chewing and smoking tobacco	37	3	23	103	35	3	32	189
214	Tobacco stemming and redrying	91	11	66	154	78	11	96	217
22	**Textile mill products**	**7,201**	**953**	**6,051**	**11,716**	**7,202**	**876**	**7,881**	**16,105**
221	Weaving mills, cotton	307	121	745	1,256	314	117	1,047	1,945
222	Weaving mills, manmade fiber	412	150	979	1,832	449	151	1,429	2,791
223	Weaving, finishing mills, wool	198	19	132	239	165	15	137	313
224	Narrow fabric mills	376	27	162	289	335	21	172	351
225	Knitting mills	2,723	277	1,647	3,181	2,617	236	1,911	3,863
226	Textile finishing, except wool	655	80	564	1,114	678	72	740	1,417
227	Floor covering mills	527	60	415	1,076	592	56	557	1,530
228	Yarn and thread mills	807	148	866	1,580	798	141	1,184	2,255
229	Misc. textile goods	1,196	72	540	1,149	1,254	68	706	1,641
23	**Apparel, other textile products**	**24,438**	**1,368**	**7,212**	**13,488**	**26,505**	**1,334**	**9,659**	**19,671**
231	Men's and boys' suits and coats	856	125	770	1,342	737	99	822	1,574
232	Men's and boys' furnishings	2,787	363	1,692	3,242	3,013	365	2,340	4,935
233	Women's and misses' outerwear	9,526	433	2,270	4,102	11,634	448	3,153	6,430
234	Women's, children's undergarments	1,002	105	525	1,049	878	92	613	1,250
235	Hats, caps, and millinery	496	15	73	133	409	15	105	186
236	Children's outerwear	1,061	75	368	709	1,002	71	459	879
237	Fur goods	797	5	41	86	620	4	52	113
238	Misc. apparel and accessories	1,302	62	336	636	1,284	56	408	845
239	Misc. fabricated textile products	6,611	186	1,139	2,188	6,728	185	1,707	3,459
24	**Lumber and wood products**	**33,949**	**691**	**4,986**	**10,310**	**37,302**	**692**	**7,425**	**16,223**
241	Logging camps, log contractors	13,238	80	524	1,163	15,469	83	1,009	2,419
242	Sawmills and planing mills	9,452	204	1,488	3,259	9,000	211	2,228	4,975
243	Millwork, plywood, and structural members	5,506	191	1,474	2,908	6,149	197	2,216	4,701
244	Wood containers	1,160	37	204	359	1,949	38	300	540
245	Wood buildings and mobile homes	993	97	745	1,491	1,165	80	858	1,789
249	Misc. wood products	3,600	82	550	1,129	3,570	83	813	1,800
25	**Furniture and fixtures**	**9,233**	**462**	**3,205**	**6,097**	**10,235**	**464**	**4,448**	**8,922**
251	Household furniture	5,369	317	2,024	3,861	6,161	310	2,669	5,213
252	Office furniture	433	39	330	660	523	45	543	1,236
253	Public building, related furniture	422	21	158	296	420	20	214	415
254	Partitions and fixtures	2,010	57	484	871	2,134	57	675	1,311
259	Misc. furniture and fixtures	999	27	210	410	997	32	347	747
26	**Paper and allied products**	**6,038**	**633**	**5,992**	**13,064**	**6,545**	**629**	**6,943**	**22,171**
261	Pulpmills	60	11	126	307	45	16	293	906
262	Papermills, except building paper	349	130	1,440	2,909	339	127	2,167	5,407
263	Paperboard mills	273	69	778	1,994	249	68	1,176	3,081
264	Misc. converted paper products	2,525	189	1,630	4,008	2,994	207	2,608	7,263
265	Paperboard containers and boxes	2,739	224	1,907	3,599	2,860	204	2,602	5,296
266	Building paper and board mills	92	12	112	247	58	7	97	218

For footnotes, see pp. 754 and 755.

BY INDUSTRY GROUP: 1972 TO 1982

Management and Budget; see text, p. 743. See also *Historical Statistics, Colonial Times to 1970*, series P 58-67]

1982, prel.									
Establishments		All employees		Production workers			Value of shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Cost of materials (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (mil.)	Wages (mil. dol.)			
[5] 356,136	**123,271**	**19,111**	**379,800**	**12,390**	**23,527**	**204,523**	**1,961,793**	**74,983**	**1,129,388**
[5] 21,316	**10,638**	**1,494**	**26,074**	**1,048**	**2,036**	**16,410**	**280,961**	**6,807**	**192,117**
3,626	1,685	320	4,990	267	521	3,856	68,002	893	56,693
2,712	1,444	145	2,595	83	167	1,421	38,878	713	30,494
2,090	1,226	220	3,317	183	344	2,474	29,856	943	17,580
2,741	1,061	107	2,182	74	152	1,428	31,359	884	20,953
2,662	1,260	216	4,032	123	241	2,072	17,701	474	7,104
1,036	508	96	1,667	77	151	1,199	15,671	471	9,438
745	437	39	774	28	58	494	16,803	394	13,932
2,577	1,497	194	4,237	96	189	2,011	38,787	1,513	22,146
3,127	1,520	157	2,279	118	213	1,454	23,905	523	13,778
157	**107**	**58**	**1,323**	**45**	**84**	**957**	**16,037**	**697**	**7,099**
14	13	42	1,094	32	59	801	12,127	571	4,052
60	30	5	59	5	9	45	254	7	121
29	19	3	52	3	5	38	665	8	263
54	45	8	119	6	12	73	2,992	111	2,663
6,615	**3,655**	**721**	**9,242**	**618**	**1,178**	**6,976**	**47,791**	**1,570**	**28,891**
274	148	78	982	70	129	833	4,075	307	2,340
516	355	138	1,906	120	225	1,410	7,940	368	4,505
131	71	15	196	13	25	153	876	30	482
280	160	18	215	15	29	159	829	22	373
2,332	1,300	205	2,331	175	338	1,757	10,994	234	5,951
752	353	58	834	47	94	607	4,970	118	3,386
506	243	42	603	33	65	397	5,797	85	4,075
723	538	112	1,340	101	189	1,097	7,412	252	4,911
1,101	487	56	835	44	84	563	4,899	153	2,870
24,313	**10,899**	**1,189**	**12,114**	**1,008**	**1,803**	**8,826**	**53,406**	**673**	**27,134**
528	343	75	872	65	117	658	3,056	25	1,403
2,541	1,813	297	2,819	257	447	2,121	12,676	157	5,956
10,838	5,104	421	4,122	356	644	2,942	18,246	222	9,623
755	519	82	783	69	124	568	3,319	38	1,584
401	170	16	156	14	24	117	520	8	235
970	659	72	674	61	109	494	2,729	31	1,255
496	42	3	57	3	4	40	404	(z)	275
1,216	526	50	509	42	74	356	2,110	25	1,005
6,568	1,723	173	2,121	141	260	1,531	10,347	168	5,799
32,937	**6,306**	**578**	**8,437**	**480**	**897**	**6,440**	**43,009**	**1,279**	**27,108**
11,659	659	81	1,209	69	121	1,005	8,305	258	5,637
7,384	1,906	158	2,307	137	261	1,877	11,162	442	7,234
6,529	1,731	166	2,589	136	260	1,954	11,683	260	7,107
2,248	522	36	389	30	54	286	1,635	40	921
1,166	615	60	887	46	85	577	4,979	66	3,229
3,951	873	77	1,057	62	115	741	5,246	214	2,980
9,974	**3,614**	**435**	**6,076**	**350**	**649**	**4,179**	**24,083**	**563**	**11,179**
5,461	2,069	262	3,148	221	401	2,300	12,771	244	6,250
699	338	59	1,065	44	85	683	4,136	147	1,648
410	178	19	288	14	26	174	1,083	25	511
2,141	681	60	1,018	45	85	668	3,673	86	1,601
1,263	348	36	558	27	51	354	2,419	61	1,169
6,359	**4,078**	**603**	**12,894**	**459**	**920**	**9,018**	**79,675**	**5,087**	**46,512**
43	41	17	468	13	25	345	3,129	659	1,987
302	284	130	3,455	101	210	2,582	21,164	1,869	12,264
220	210	55	1,472	42	87	1,096	9,397	1,278	5,758
3,009	1,600	212	3,925	161	318	2,655	26,459	780	14,524
2,755	1,920	186	3,503	140	275	2,285	19,160	488	11,775
30	23	4	71	3	6	55	366	15	204

No. 1342. Manufactures—Summary

[See headnote,

Industry code [1]	INDUSTRY GROUP	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)	1977 Establishments (number)	1977 All employees Number [2] (1,000)	1977 All employees Payroll (mil. dol.)	1977 Value added by manufacture [3] (mil. dol.)
27	**Printing and publishing**	**42,103**	**1,057**	**9,831**	**20,210**	**49,767**	**1,092**	**14,025**	**31,980**
271	Newspapers	8,116	349	3,166	6,220	8,867	350	4,306	9,519
272	Periodicals	2,534	67	709	2,110	2,994	70	1,020	3,763
273	Books	1,905	98	919	2,540	2,694	106	1,379	4,291
274	Misc. publishing	2,041	39	331	776	2,352	42	503	1,291
275	Commercial printing	22,282	344	3,277	5,695	26,815	356	4,702	8,551
276	Manifold business forms	667	39	344	824	795	45	575	1,492
277	Greeting card publishing	199	24	192	527	166	18	227	666
278	Blankbooks and bookbinding	1,465	52	372	687	1,492	56	579	1,149
279	Printing trades services	2,894	47	521	831	3,592	48	735	1,268
28	**Chemicals and allied products**	**11,425**	**837**	**8,731**	**32,414**	**12,173**	**880**	**13,830**	**56,721**
281	Industrial inorganic chemicals	1,049	100	1,079	3,343	1,282	110	1,847	6,487
282	Plastics materials, synthetics	461	162	1,666	4,935	551	157	2,471	7,843
283	Drugs	1,078	130	1,413	6,131	1,243	156	2,460	9,940
284	Soap, cleaners, toilet goods	2,573	112	1,058	6,201	2,528	112	1,526	9,407
285	Paints and allied products	1,599	66	647	1,792	1,579	61	883	2,821
286	Industrial organic chemicals	827	137	1,614	6,073	879	153	2,794	12,875
287	Agricultural chemicals	1,233	48	438	1,737	1,325	54	784	3,808
289	Misc. chemical products	2,605	83	814	2,203	2,786	77	1,075	3,539
29	**Petroleum and coal products**	**2,016**	**140**	**1,638**	**5,793**	**2,206**	**147**	**2,716**	**16,378**
291	Petroleum refining	323	101	1,247	4,595	349	103	2,055	14,424
295	Paving and roofing materials	1,199	30	297	846	1,297	32	481	1,272
299	Misc. petroleum and coal products	494	9	94	352	560	12	180	682
30	**Rubber and miscellaneous plastics products**	**9,237**	**618**	**5,165**	**11,653**	**11,943**	**721**	**6,536**	**19,740**
301	Tires and inner tubes	206	108	1,214	3,071	200	114	1,832	4,947
302	Rubber, plastics footwear	107	32	183	370	84	20	159	272
303	Reclaimed rubber	20	1	9	16	21	1	12	25
304	Rubber and plastics hose, belting	90	32	309	619	146	34	457	974
306	Fabricated rubber products, n.e.c.	1,116	99	809	1,573	1,280	99	1,164	2,352
307	Misc. plastics products	7,698	347	2,642	6,005	10,212	454	4,912	11,770
31	**Leather and leather products**	**3,201**	**273**	**1,589**	**2,917**	**3,075**	**243**	**1,860**	**3,719**
311	Leather tanning and finishing	517	26	200	368	465	23	255	535
313	Boot, shoe cut stock, findings	248	9	50	86	190	9	65	109
314	Footwear, except rubber	917	176	973	1,796	811	146	1,032	2,070
315	Leather gloves and mittens	106	5	22	43	101	6	34	68
316	Luggage	277	17	107	194	298	19	164	328
317	Handbags and other personal leather goods	688	34	195	345	678	32	242	472
319	Leather goods, n.e.c.	448	7	43	84	532	9	68	137
32	**Stone, clay, and glass products**	**16,015**	**623**	**5,547**	**12,587**	**17,744**	**614**	**7,943**	**19,130**
321	Flat glass	32	21	242	662	62	22	401	931
322	Glass, pressed or blown	369	119	1,058	2,341	508	117	1,548	3,592
323	Products of purchased glass	913	34	296	669	1,101	36	429	960
324	Cement, hydraulic	198	30	349	1,154	201	28	485	1,672
325	Structural clay products	775	52	391	771	711	45	486	1,058
326	Pottery and related products	620	45	335	601	934	43	460	894
327	Concrete, gypsum, plaster products	10,115	193	1,741	3,640	10,844	184	2,367	5,391
328	Cut stone and stone products	908	15	109	191	993	13	132	238
329	Misc. nonmetallic mineral products	2,085	115	1,025	2,359	2,390	126	1,635	4,395
33	**Primary metal industries**	**6,792**	**1,143**	**12,167**	**23,258**	**7,375**	**1,114**	**18,745**	**37,568**
331	Blast furnace and basic steel products	970	553	6,389	12,116	1,216	530	10,086	18,318
332	Iron and steel foundries	1,400	219	2,155	3,481	1,465	222	3,329	6,237
333	Primary nonferrous metals	177	59	627	1,706	160	57	1,032	3,619
334	Secondary nonferrous metals	381	18	170	411	460	19	270	769
335	Nonferrous rolling and drawing	903	166	1,871	3,600	1,002	177	2,640	5,902
336	Nonferrous foundries	1,841	81	722	1,269	1,892	82	1,044	1,960
339	Misc. primary metal products	1,120	25	233	476	1,180	26	345	763

For footnotes, see pp. 754 and 755.

BY INDUSTRY GROUP: 1972 TO 1982—Continued

pp. 750 and 751]

1982, prel.									
Establishments		All employees		Production workers			Value shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Cost of materials (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (mil.)	Wages (mil. dol.)			
53,308	**10,860**	**1,294**	**22,687**	**713**	**1,316**	**11,287**	**85,762**	**3,247**	**31,375**
8,847	2,555	404	6,555	149	264	2,387	21,286	1,029	6,007
3,334	695	95	1,994	17	32	242	11,525	211	4,571
2,809	725	112	2,090	50	97	780	10,115	273	3,388
2,055	428	45	704	18	29	203	2,869	67	907
29,727	4,545	451	8,076	339	634	5,496	27,674	1,286	11,951
809	529	50	934	36	71	634	5,034	134	2,567
151	54	21	344	12	20	155	1,896	37	555
1,487	631	61	903	50	92	635	2,811	78	861
4,089	698	55	1,089	41	77	757	2,553	132	568
11,853	**4,756**	**866**	**20,675**	**504**	**995**	**10,464**	**170,085**	**9,080**	**91,966**
1,367	523	109	2,822	62	125	1,470	17,394	1,004	8,591
597	407	138	3,396	92	178	2,013	28,127	1,657	18,566
1,280	592	166	3,965	84	163	1,557	24,707	1,249	7,756
2,368	795	125	2,526	75	147	1,280	25,647	647	10,510
1,443	625	55	1,167	28	54	487	9,267	265	5,245
961	543	142	3,958	83	168	2,133	38,169	3,019	25,076
1,124	416	51	1,148	32	64	641	14,472	706	9,349
2,713	855	82	1,694	49	96	883	12,303	531	6,873
2,307	**845**	**151**	**4,339**	**99**	**205**	**2,613**	**209,691**	**6,666**	**185,432**
435	312	109	3,414	71	148	2,067	200,195	6,412	178,790
1,290	353	29	614	21	43	415	5,884	131	4,125
582	180	14	312	7	14	131	3,612	123	2,517
13,386	**5,952**	**680**	**11,576**	**522**	**997**	**7,685**	**55,311**	**2,215**	**27,870**
160	99	71	1,740	55	101	1,288	9,361	236	4,604
65	40	18	197	15	28	149	706	12	334
26	9	1	15	1	1	10	63	1	33
163	118	25	502	18	32	329	1,958	113	886
1,332	658	87	1,529	65	128	971	6,194	205	3,037
11,640	5,028	479	7,595	369	707	4,936	37,029	1,648	18,977
2,697	**1,310**	**201**	**2,216**	**172**	**306**	**1,625**	**9,693**	**128**	**4,881**
376	170	19	306	16	31	222	1,735	33	1,147
160	79	7	81	6	11	56	351	4	211
752	537	123	1,255	108	189	980	5,285	64	2,435
96	54	4	37	3	6	27	178	1	103
293	132	16	194	13	21	113	793	13	357
618	234	25	267	20	39	175	1,025	9	464
402	104	7	75	6	10	52	325	6	163
16,372	**4,733**	**530**	**10,068**	**408**	**795**	**7,154**	**45,071**	**2,321**	**22,051**
69	33	15	414	12	25	322	1,666	98	827
471	236	97	2,042	82	159	1,634	7,985	532	3,523
1,336	385	40	675	31	60	457	2,934	114	1,453
232	158	24	633	19	36	473	3,534	438	1,743
635	376	30	494	24	47	350	1,883	58	842
906	234	38	606	31	57	449	1,776	86	598
9,749	2,338	166	2,971	122	243	1,990	14,824	568	8,258
710	131	10	155	8	16	118	550	24	257
2,264	842	109	2,079	79	153	1,361	9,919	404	4,551
7,226	**3,914**	**854**	**20,590**	**639**	**1,167**	**14,460**	**104,855**	**4,640**	**68,768**
1,261	724	367	10,284	268	473	7,288	46,796	2,416	30,366
1,431	998	158	3,138	125	223	2,264	9,787	492	4,172
161	94	44	1,307	32	62	928	11,321	412	9,059
457	212	19	402	14	26	246	4,852	150	4,129
1,020	**735**	**165**	**3,603**	**121**	**232**	**2,429**	**25,465**	**901**	**17,948**
1,906	786	75	1,369	61	114	993	4,555	174	2,088
990	365	26	488	19	37	313	2,078	94	1,006

No. 1342. Manufactures—Summary

[See headnote,

Industry code [1]	Industry group	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)	1977 Establishments (number)	1977 All employees Number [2] (1,000)	1977 All employees Payroll (mil. dol.)	1977 Value added by manufacture [3] (mil. dol.)
34	**Fabricated metal products**	**29,525**	**1,493**	**13,821**	**26,946**	**33,712**	**1,556**	**21,036**	**45,512**
341	Metal cans, shipping containers	553	79	840	2,005	587	72	1,247	3,644
342	Cutlery, handtools, hardware	1,904	159	1,405	3,253	2,137	169	2,179	5,177
343	Plumbing and heating, exc. electric	757	61	524	1,132	1,015	53	637	1,574
344	Fabricated structural metal products	10,351	395	3,532	6,743	11,817	426	5,492	11,785
345	Screw machine products, bolts, etc	2,482	101	948	1,845	2,627	105	1,414	2,864
346	Metal forgings, stampings	3,188	264	2,791	5,057	3,715	288	4,511	8,913
347	Metal services, n.e.c	4,761	82	624	1,120	5,095	94	1,009	1,963
348	Ordnance and accessories, n.e.c	315	110	1,015	1,507	346	70	992	1,737
349	Misc. fabricated metal products	5,214	244	2,142	4,283	6,373	279	3,556	7,855
35	**Machinery, exc. electrical**	**40,792**	**1,828**	**18,523**	**37,563**	**48,200**	**2,083**	**30,558**	**67,223**
351	Engines and turbines	253	116	1,320	2,900	315	130	2,238	4,960
352	Farm and garden machinery	1,658	125	1,211	2,701	2,159	151	2,197	5,490
353	Construction and related machinery	2,517	275	2,856	5,962	3,229	333	5,097	11,836
354	Metalworking machinery	9,652	268	2,859	4,902	10,630	298	4,514	8,747
355	Special industry machinery	3,685	190	1,854	3,732	4,090	185	2,616	5,271
356	General industrial machinery	3,863	262	2,585	5,020	4,947	314	4,451	9,673
357	Office and computing machines	995	208	2,277	4,905	1,317	259	3,949	9,921
358	Refrigeration, service machinery	1,769	198	1,864	4,427	2,114	192	2,516	5,963
359	Misc. machinery, except electrical	16,400	184	1,697	3,016	19,399	223	2,980	5,362
36	**Electric and electronic equipment**	**12,270**	**1,662**	**15,189**	**30,558**	**14,973**	**1,723**	**22,544**	**50,366**
361	Electric distributing equipment	784	116	1,040	2,060	947	115	1,431	3,336
362	Electrical industrial apparatus	1,510	188	1,665	3,218	1,646	198	2,543	5,614
363	Household appliances	645	163	1,369	3,563	666	162	1,898	5,276
364	Electric lighting and wiring equipment	1,897	177	1,414	3,277	2,009	165	1,925	4,741
365	Radio and TV receiving equipment	939	107	798	2,183	1,290	98	1,097	3,078
366	Communication equipment	1,976	454	4,912	8,453	2,385	459	6,995	14,130
367	Electronic components, accessories	2,867	336	2,869	5,306	4,455	374	4,557	9,260
369	Misc. electrical equipment, supplies	1,652	120	1,121	2,498	1,575	152	2,098	4,930
37	**Transportation equipment**	**8,802**	**1,719**	**19,880**	**39,799**	**10,176**	**1,768**	**30,673**	**64,291**
371	Motor vehicles and equipment	3,391	808	9,461	22,056	4,234	876	16,038	37,023
372	Aircraft and parts	1,094	439	5,282	9,124	1,173	431	7,621	14,732
373	Ship and boat building and repairing	2,232	185	1,704	2,398	2,795	220	2,940	4,681
374	Railroad equipment	163	51	529	1,113	201	56	889	1,883
375	Motorcycles, bicycles, parts	222	18	140	315	350	16	169	370
376	Guided missiles, space vehicles	147	160	2,317	3,969	109	120	2,427	4,422
379	Misc. transportation equipment	1,553	59	448	824	1,314	49	591	1,181
38	**Instruments and related products**	**5,983**	**453**	**4,286**	**10,580**	**7,481**	**559**	**7,520**	**18,762**
381	Engineering, scientific instruments	743	37	365	681	786	42	584	1,287
382	Measuring and control devices	1,611	153	1,437	2,724	2,079	200	2,666	5,242
383	Optical instruments and lenses	494	19	193	364	545	30	421	897
384	Medical instruments and supplies	1,807	91	758	1,821	2,355	114	1,319	3,262
385	Ophthalmic goods	499	27	183	416	634	30	314	656
386	Photographic equip. and supplies	627	96	1,120	4,088	780	112	1,900	6,732
387	Watches, clocks, and watchcases	202	31	230	466	302	32	317	685
39	**Misc. manufacturing**	**15,187**	**446**	**3,180**	**6,769**	**17,259**	**441**	**4,406**	**10,291**
391	Jewelry, silverware, and plated ware	2,296	53	425	851	3,118	61	638	1,449
393	Musical instruments	344	25	173	339	450	25	253	488
394	Toys and sporting goods	2,460	133	881	1,999	2,910	119	1,112	3,000
395	Pens, office and art goods	966	32	244	557	987	32	331	868
396	Costume jewelry and notions	1,482	50	323	720	1,514	51	451	1,002
399	Misc. manufactures	7,639	153	1,134	2,303	8,280	152	1,623	3,485
(x)	**Administrative and auxiliary [6]**	**8,039**	**994**	**13,772**	(x)	**9,171**	**1,074**	**21,981**	(x)

NA Not available. X Not applicable. Z Less than $500,000. [1] Standard Industrial Classification Code; see text, pp. 743 and 744. [2] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. [3] See footnote 6, table 1337. [4] Includes expenditures for plants in operation and plants under construction but not yet in operation.

BY INDUSTRY GROUP: 1972 TO 1982—Continued

pp. 750 and 751]

1982, prel.									
Establishments		All employees		Production workers			Value of shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Cost of materials (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (number)	Wages (mil. dol.)			
35,326	**13,534**	**1,450**	**28,106**	**1,066**	**2,057**	**18,339**	**118,484**	**3,844**	**58,856**
554	396	58	1,504	48	95	1,181	11,951	267	7,560
2,219	934	140	2,571	106	200	1,713	10,049	333	3,942
1,166	392	47	805	34	63	493	3,914	96	1,883
12,618	4,638	421	7,893	300	586	4,954	34,854	751	18,883
2,653	1,076	92	1,694	69	132	1,125	5,738	211	2,372
4,003	1,883	236	5,103	183	353	3,644	20,045	1,017	10,136
5,051	1,391	96	1,500	77	151	1,024	5,019	198	2,175
338	151	78	1,762	50	94	928	4,801	133	1,536
6,722	2,673	281	5,274	200	385	3,278	22,112	839	10,368
52,736	**14,161**	**2,177**	**46,644**	**1,347**	**2,576**	**24,904**	**187,601**	**8,481**	**83,822**
335	204	111	2,806	70	131	1,637	12,917	481	6,555
2,081	707	114	2,388	75	138	1,406	13,222	393	6,602
3,901	1,843	325	7,325	197	363	3,967	31,950	1,666	15,532
10,980	2,636	283	6,066	198	384	3,868	18,119	702	6,291
4,195	1,624	183	3,753	107	211	1,931	13,518	409	5,937
4,953	2,010	309	6,403	195	368	3,598	24,099	903	10,246
2,199	1,097	405	9,466	172	337	2,883	43,563	2,773	20,079
1,947	903	172	3,362	117	218	2,036	16,230	425	8,158
22,145	3,137	275	5,075	216	427	3,579	13,983	729	4,424
16,407	**7,803**	**1,925**	**38,714**	**1,201**	**2,275**	**19,370**	**148,877**	**7,587**	**63,593**
938	497	105	1,994	73	135	1,178	8,168	220	3,380
1,970	1,010	193	3,742	126	238	2,088	13,947	679	5,771
627	329	129	2,222	98	180	1,532	12,674	302	6,722
2,001	984	160	2,730	118	219	1,746	12,104	341	5,333
1,023	304	64	1,134	46	87	695	7,776	170	4,538
2,726	1,471	608	14,171	316	601	5,868	46,676	2,334	18,475
5,438	2,455	515	9,760	324	625	4,639	34,495	3,002	13,591
1,684	753	150	2,961	100	191	1,624	13,038	538	5,783
9,358	**3,759**	**1,618**	**41,181**	**1,070**	**2,056**	**24,514**	**202,769**	**7,306**	**120,250**
3,839	1,736	616	15,441	486	924	11,575	111,967	4,281	77,354
1,463	724	561	15,025	299	578	7,063	53,779	1,743	26,610
2,570	765	207	4,378	163	323	3,233	13,492	505	5,898
195	103	34	798	23	39	477	3,461	144	1,773
266	65	13	221	10	18	163	1,215	20	790
105	85	145	4,466	59	119	1,470	14,379	473	4,995
920	281	42	854	30	56	533	4,476	141	2,831
8,002	**2,992**	**622**	**12,837**	**362**	**693**	**5,896**	**51,696**	**2,109**	**17,739**
776	277	43	878	27	51	444	3,179	108	1,036
2,467	1,044	224	4,574	122	231	1,917	14,480	592	4,543
636	290	51	1,031	26	51	432	3,557	145	1,368
2,697	890	141	2,498	94	180	1,278	10,863	453	3,888
404	124	27	430	18	36	222	1,358	43	398
793	284	119	3,182	64	123	1,454	17,092	754	5,823
229	83	17	245	12	22	149	1,168	15	682
15,762	**3,551**	**382**	**5,642**	**280**	**523**	**3,406**	**26,936**	**682**	**12,747**
2,826	501	50	764	35	64	444	4,353	55	2,563
447	139	18	268	14	27	179	946	20	429
2,531	775	99	1,393	74	137	835	8,338	197	3,678
1,024	266	32	484	24	45	302	2,371	75	1,128
1,350	373	41	522	32	61	330	2,061	63	892
7,584	1,497	142	2,211	102	188	1,316	8,868	272	4,056
9,724	**5,804**	**1,286**	**3,864**	**(x)**	**(x)**	**(x)**	**(x)**	**(x)**	**(x)**

[5] Total number of establishments does not include data for industry 2092 (fresh or frozen packaged fish). [6] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishment of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977, General Summary,* MC72(1)-1 and MC77(1)-1 and *1982 Census of Manufactures, Preliminary Report.*

No. 1343. Value of Manufactures Shipments and Inventories—Selected Industries: 1977 to 1983

[In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series P 74-79]

SIC [1] code	INDUSTRY	1977	1978	1979	1980	1981	1982	1983
(x)	**Shipments, total**	**1,358.4**	**1,522.9**	**1,727.2**	**1,852.7**	**2,017.5**	**1,910.3**	**2,047.4**
(x)	**Durable goods industries** [2]	**711.2**	**814.2**	**912.7**	**930.6**	**1,006.5**	**922.3**	**1,021.5**
32	Stone, clay, and glass products	35.5	41.7	46.0	46.1	48.0	44.0	49.1
33	Primary metals	103.2	118.1	137.4	133.9	141.9	107.0	117.9
34	Fabricated metal products	90.0	101.3	113.6	116.2	123.7	114.0	120.6
35	Machinery, exc. electrical [2]	122.2	143.2	166.5	180.7	201.5	180.6	178.3
351	Engines and turbines	10.4	12.4	13.2	13.7	15.3	12.8	12.2
352	Farm machinery and equipment	11.9	11.9	15.5	15.1	18.0	11.8	10.6
353	Construction mining and material handling equipment	23.7	28.9	31.5	33.6	39.0	34.5	28.4
357	Office and computing machines	16.8	21.0	26.6	32.4	37.8	40.4	46.0
36	Electrical machinery [2]	88.4	100.5	116.0	128.6	140.2	141.1	156.0
361-2	Elec. transmission and distribution	15.4	17.9	20.0	21.3	23.4	21.9	21.9
363	Household appliances	10.7	11.5	12.7	12.9	13.1	12.1	14.9
365	Radio and TV	6.9	7.9	8.1	8.5	8.8	7.8	6.6
366	Communication equipment	22.7	25.7	30.3	36.0	40.3	44.5	48.6
367	Electronic components	15.4	17.9	22.7	27.6	30.4	31.3	35.3
37	Transportation equipment [2]	167.0	188.8	201.6	186.5	205.2	195.1	240.5
371	Motor vehicles and parts	117.7	132.0	131.4	104.6	117.0	112.2	151.9
372, 5	Aircraft, missiles, and parts	32.5	37.5	48.3	58.5	64.8	63.6	70.9
38	Instruments and related products [2]	28.9	33.7	37.7	44.1	48.3	48.9	50.0
381-4	Scientific and engineering equipment	16.4	19.2	21.6	25.6	28.7	28.0	29.3
386	Photographic goods	9.9	11.5	13.4	15.9	16.9	18.6	18.4
(x)	**Nondurable goods industries** [2]	**647.2**	**708.7**	**814.5**	**922.1**	**1,011.1**	**988.0**	**1,025.9**
20	Food and kindred products [2]	192.9	216.0	236.0	256.2	272.1	277.3	286.6
201	Meat products	46.3	55.6	61.6	63.0	65.9	66.2	66.8
207	Fats and oils	14.5	16.2	17.7	18.2	17.9	15.4	16.5
208	Beverages	23.9	26.6	29.3	33.0	36.1	40.3	41.7
21	Tobacco products	9.1	10.0	10.6	12.2	13.1	14.5	15.5
22	Textile mill products	40.6	42.3	45.1	47.3	50.3	47.2	52.2
26	Paper and allied products [2]	52.1	57.0	65.2	72.8	80.2	79.0	85.1
261-9, 6	Paper, pulp, paperboard mill products	22.3	24.0	28.0	31.8	36.1	33.5	36.3
265	Paperboard containers	13.4	14.5	16.0	17.2	19.0	18.4	19.1
28	Chemicals and allied products [2]	118.2	129.4	147.7	162.5	180.5	172.8	190.2
281	Industrial inorganic chemicals	41.5	44.8	52.3	57.3	62.7	55.8	59.2
283-4	Drugs, soaps, toiletries	30.6	34.2	36.7	41.9	46.9	46.6	50.4
29	Petroleum and coal products	97.5	103.9	148.4	198.7	224.1	206.4	191.6
30	Rubber and plastics products	39.6	43.2	46.8	47.3	53.2	50.2	50.3
(x)	**Inventories total (Dec. 31)**	**188.4**	**209.1**	**239.1**	**261.7**	**279.5**	**262.0**	**257.6**
(x)	**Durable goods industries** [2]	**120.4**	**136.3**	**158.5**	**172.2**	**183.6**	**172.6**	**169.0**
32	Stone, clay, and glass products	4.3	4.8	5.4	5.8	6.3	5.8	5.6
33	Primary metals	18.5	19.6	22.6	23.1	25.7	21.5	19.2
34	Fabricated metal products	15.3	17.0	18.8	19.2	19.9	17.3	17.4
35	Machinery, exc. electrical [2]	27.2	31.5	36.8	40.3	43.0	39.7	38.3
351	Engines and turbines	2.2	2.4	2.6	2.6	2.8	2.4	2.0
352	Farm machinery and equipment	2.5	2.5	2.9	2.9	2.7	2.1	1.9
353	Construction mining and material handling equipment	6.2	7.3	8.1	9.2	9.9	9.1	7.1
357	Office and computing machines	3.9	5.0	6.8	8.4	9.2	9.4	9.8
36	Electrical machinery [2]	16.1	18.6	22.6	25.4	27.8	26.1	27.7
361-2	Elec. transmission and distribution	3.0	3.5	4.0	4.1	4.6	4.1	4.0
363	Household appliances	1.7	1.8	1.8	1.8	2.0	1.7	2.0
365	Radio and TV	1.0	1.2	1.2	1.3	1.4	1.0	1.0
366	Communication equipment	4.7	5.5	7.3	8.8	9.9	9.9	11.0
367	Electronic components	2.8	3.3	4.4	5.4	5.7	5.6	5.6
37	Transportation equipment [2]	22.2	25.7	31.1	35.3	37.0	39.9	40.0
371	Motor vehicles and parts	9.1	10.1	10.7	9.6	8.9	8.2	9.3
372, 6	Aircraft, missiles, and parts	10.1	12.1	16.4	21.7	24.1	28.5	27.7
38	Instruments and related products [2]	5.8	6.7	7.7	8.6	9.4	9.0	8.8
381-4	Scientific and engineering equipment	3.8	4.5	5.2	6.0	6.4	6.4	6.3
386	Photographic goods	1.5	1.6	1.9	2.2	2.4	2.0	2.0
(x)	**Nondurable goods industries** [2]	**68.1**	**72.8**	**80.6**	**89.5**	**95.8**	**89.4**	**88.6**
20	Food and kindred products [2]	17.0	18.7	20.6	22.4	22.1	21.3	21.4
201	Meat products	1.4	1.7	1.8	2.0	1.9	1.9	2.0
207	Fats and oils	1.5	1.7	2.0	2.0	1.6	1.4	2.0
208	Beverages	2.9	3.4	3.6	3.8	3.8	3.6	3.3
21	Tobacco products	3.7	3.8	3.6	3.9	4.6	4.7	4.1
22	Textile mill products	5.5	5.6	6.0	6.5	6.7	5.1	6.8
26	Paper and allied products [2]	5.6	6.0	6.8	7.7	8.5	8.5	8.6
261-9, 6	Paper, pulp, paperboard mill products	2.1	2.1	2.4	2.9	3.2	3.4	3.3
265	Paperboad containers	1.6	1.7	1.9	1.9	2.3	2.2	2.3
28	Chemicals and allied products [2]	14.8	15.7	17.3	19.6	22.0	19.8	19.5
281	Industrial inorganic chemicals	4.8	4.9	5.4	6.5	7.3	6.1	5.8
283-4	Drugs, soaps, toiletries	4.2	4.8	5.4	5.9	6.4	6.2	6.1
29	Petroleum and coal products	5.7	5.4	7.7	9.9	10.6	9.3	8.1
30	Rubber and plastics products	5.0	5.4	6.0	6.0	6.5	5.7	5.6

X Not applicable. [1] Standard Industrial Classification. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1977-1983*, series M3-113.

No. 1344. Index of Manufacturing Capacity and Relation of Output to Capacity: 1950 to 1984

[**1967 output=100.** Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capacity	Relation of output to capacity (percent)			YEAR	Index of capacity	Relation of output to capacity (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1950	54	83	89	80	1974	155	84	88	82
1955	67	87	92	84	1975	160	73	74	73
1960	82	80	80	80	1976	164	80	82	78
1965	100	90	91	89	1977	168	82	85	81
1967	115	87	86	88	1978	173	85	88	83
1968	122	87	88	87	1979	179	86	90	84
1969	129	86	89	85	1980	184	80	80	79
1970	134	80	83	78	1981	189	79	81	79
1971	138	79	82	76	1982	193	71	69	72
1972	142	84	88	81	1983	197	75	76	75
1973	148	88	92	85	1984: 1st qtr.	200	81	82	80
					2nd qtr.	201	82	82	81

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization in Manufacturing, Mining, Utilities, and Industrial Materials*, G.3., August 1984. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

No. 1345. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1983

[**In billions of dollars, except ratio.** See also *Historical Statistics, Colonial Times to 1970*, series P 74-92]

YEAR	Shipments, total	Inventories, total (Dec. 31)	Ratio of inventories to shipments [1]	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31)	Ratio of inventories to shipments [1]	New orders, total	Unfilled orders, total (Dec. 31)
1950	223.6	31.5	1.41	242.1	41.2	1967	557.8	84.4	1.71	564.7	104.0
1951	260.6	39.2	1.78	286.7	66.9	1968	602.7	90.2	1.76	608.2	109.5
1952	270.3	41.5	1.71	278.5	75.5	1969	642.0	97.7	1.81	647.4	114.9
1953	298.1	44.2	1.90	283.0	60.3	1970	633.7	101.2	1.91	624.5	105.7
1954	280.3	41.8	1.71	268.0	48.2	1971	670.9	102.3	1.76	671.8	106.6
1955	317.8	45.2	1.63	329.6	60.0	1972	756.3	107.9	1.58	770.1	120.4
1956	332.9	50.7	1.74	340.4	67.5	1973	875.2	124.3	1.63	912.7	157.9
1957	344.8	51.9	1.90	330.7	53.3	1974	1,017.5	157.6	1.86	1,045.9	187.3
1958	327.0	50.0	1.75	324.1	46.8	1975	1,039.1	159.8	1.77	1,022.6	170.9
1959	363.4	52.7	1.68	368.8	52.1	1976	1,185.6	174.9	1.66	1,194.4	179.7
1960	370.5	53.6	1.79	362.9	44.5	1977	1,358.4	188.4	1.58	1,380.4	201.7
1961	371.1	54.7	1.67	373.3	46.7	1978	1,522.9	209.1	1.55	1,578.6	257.4
1962	400.3	58.1	1.76	401.2	47.6	1979	1,727.2	239.1	1.61	1,766.8	299.0
1963	420.7	59.9	1.66	426.4	53.3	1980	1,852.7	261.7	1.61	1,873.9	320.2
1964	448.0	63.3	1.62	460.1	65.4	1981	2,017.5	279.5	1.74	2,013.1	315.8
1965	491.9	68.0	1.58	505.3	78.8	1982	1,910.3	262.0	1.71	1,886.7	294.1
1966	538.4	77.7	1.70	556.8	97.2	1983	2,047.4	257.6	1.40	2,081.2	327.9

[1] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1977-1983*, series M3-1.13, and unpublished data.

No. 1346. Finances of Manufacturing Corporations: 1965 to 1983

[**In billions of dollars.** See tables 909 and 910 for individual industry data]

ITEM	1965	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Net sales	492	709	850	1,061	1,065	1,203	1,328	1,496	1,742	1,897	2,145	2,039	2,114
Net operating profit	46	50	66	84	77	97	107	122	135	129	144	105	125
Net profit:													
Before taxes	47	48	63	92	80	105	115	133	154	145	158	108	133
After taxes	28	29	36	59	49	65	70	81	99	92	101	71	86
Cash dividends	12	15	16	19	20	23	27	29	32	36	40	41	42
Net income retained in business	16	14	20	39	29	42	44	52	66	58	61	30	44

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

No. 1347. Operating Manufacturing Establishments—Selected Data, by Legal Form of Organization: 1977

[For establishment coverage, see text, p. 744. See also *Historical Statistics, Colonial Times to 1970*, series P 205-211]

Form of organization	Establishments [1] (1,000)	All employees: Total [2] (1,000)	All employees: Payroll (mil. dol.)	Production workers: Total [2] (1,000)	Production workers: Wages (mil. dol.)	Value added by manufacture [3] (mil. dol.)	Capital expenditures, new (mil. dol.)
Corporate	284.2	19,114	259,306	13,302	153,891	574,113	46,249
Noncorporate, total [4]	75.7	476	4,707	389	3,273	11,052	1,210
Individual proprietorship	52.9	202	1,840	174	1,322	3,961	300
Partnership	18.3	123	1,213	100	829	2,681	206

[1] Includes administrative offices and auxiliary units. [2] For method of calculation, see text, p. 743. [3] For definition, see footnote 6, table 1337. [4] Includes forms of organization not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, vol. I, and special report, *Type of Organization*, MC 77(SR)-3.

No. 1348. Manufactures—Summary, by Employee Size-Class: 1977

Item	All establishments	Establishments with total employees— Under 20	20-99	100-249	250-999	1,000 and over	Percent distribution: Under 20	20-99	100-249	250-999	1,000 and over
Establishments [1] (1,000)	351	237	78	22	12	2	67.5	22.3	6.1	3.4	.6
Employees [1] (1,000)	18,515	1,206	3,490	3,336	5,393	5,091	6.5	18.8	18.0	29.1	27.5
Payroll [1] (mil. dol.)	242,032	13,712	38,690	37,772	66,248	85,609	5.7	16.0	15.6	27.4	35.4
Value added [2] (mil. dol.)	585,166	30,081	89,829	92,232	172,607	200,417	5.1	15.4	15.8	29.5	34.2
Shipments [3] (mil. dol.)	1,358,526	29,922	211,422	220,465	404,763	458,596	2.2	15.6	16.2	29.8	33.6

[1] Excludes administrative offices and auxiliary units. [2] For definition, see footnote 6, table 1337. [3] Individual size-class data do not add to total because they were derived from separate tabulations. See footnote 7, table 1337.

No. 1349. Manufacturing Employment, 1963 to 1981, and Value Added, 1963 to 1980—Percent Distribution, by Geographic Divisions

[For composition of regions, see fig. I, inside front cover. For definition of "value added," see table 1337]

Region	Employment 1963	1967	1972	1977	1978	1980	1981	Value added 1963	1967	1972	1977	1978	1980
Northeast	32.4	30.7	27.9	25.8	25.1	25.4	25.3	29.8	29.1	26.3	23.7	23.4	24.2
Midwest	32.4	32.9	32.2	31.9	31.8	29.8	29.3	35.4	35.0	34.9	34.4	34.3	31.1
South	22.9	24.2	27.5	28.3	28.6	29.2	29.8	21.5	22.7	25.5	27.4	27.4	28.5
West	12.3	12.2	12.4	13.9	14.4	15.5	15.6	13.3	13.0	13.4	14.5	14.8	16.2

Source of tables 1348 and 1349: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972* and *1977: General Summary*, MC(1)-1; and *Annual Survey of Manufactures*.

No. 1350. Capital in Manufacturing Establishments: 1970 to 1983

[**In billions of dollars, except percent.** Minus sign (–) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source. See *Historical Statistics, Colonial Times to 1970*, series P 107-122, for single-year figures prior to revisions issued in 1981]

Item	Current dollars 1970	1975	1980	1981	1982	1983	Constant (1972) dollars 1970	1975	1980	1981	1982	1983
Purchases of equipment and structures	23.8	39.8	77.2	82.3	72.8	68.1	25.9	30.4	42.7	42.8	37.0	34.9
Percent equipment	73.3	79.4	78.3	78.0	74.7	80.0	71.6	80.6	81.3	80.9	78.1	83.2
Depreciation (straight line) [1]	18.9	31.6	58.0	65.7	71.4	74.7	20.4	24.0	31.3	33.0	34.5	35.6
Percent equipment	73.8	73.6	77.0	78.3	79.1	79.3	72.4	75.1	79.7	80.5	81.0	81.4
Net investment [2]	4.9	8.2	19.2	16.6	1.4	–6.6	5.5	6.4	11.4	9.8	2.5	–.7
Net stock, end of year [1]	299.6	509.1	921.1	999.7	1,008.4	1,011.9	315.1	359.8	432.9	445.3	439.7	436.0
Equipment and structures	191.2	319.3	579.7	636.4	665.0	672.4	202.2	232.7	287.0	297.2	300.3	300.1
Percent equipment	58.7	62.1	65.1	66.6	66.3	66.4	57.3	62.0	67.5	68.0	67.8	68.1
Inventories	108.4	189.8	341.4	363.3	343.4	339.5	112.9	127.1	145.9	148.1	139.4	135.9

[1] *Depreciation* and net stock estimates are derived using the perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F, and the straight-line depreciation formula. [2] Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-79, Survey of Current Business*, October 1982 and August 1983 and 1984.

No. 1351. Large Manufacturing Companies—Adequacy of Capital Facilities to Meet Current Demand: 1965 to 1983

[**Percent distribution.** As of **July.** Number of companies weighted by company assets. Based on replies to the question: In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now Inadequate, Sufficient, or More than adequate? as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1965	31	67	2	1975	19	43	38
1966	47	51	2	1976	18	65	17
1967	33	62	5	1977	20	66	14
1968	26	72	2	1978	20	62	18
1969	37	59	4	1979	20	69	11
1970	28	60	12	1980	12	57	31
1971	18	59	23	1981	9	51	40
1972	16	71	13	1982	8	45	47
1973	45	53	2	1983	6	48	46
1974	57	40	3				

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing.* (Copyright.)

No. 1352. Large Manufacturing Companies—Capital Appropriations and Expenditures, by Industry: 1970 to 1983

[**In millions of dollars.** Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations.* This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **Expenditures:** Cost of new plant and equipment]

ITEM AND YEAR	Total	Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equip.	Machinery, except electrical	Motor vehicles and equipment	Other manufacturing
Appropriations: 1970	25,337	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484
1975	45,034	3,573	1,902	7,466	13,986	3,102	1,978	3,748	1,015	8,264
1976	50,034	3,834	1,585	7,906	11,231	2,897	2,853	5,001	3,517	11,210
1977	63,420	4,966	2,648	7,854	17,527	2,516	3,189	5,105	5,268	14,347
1978	67,156	4,898	2,795	7,759	15,142	3,083	4,421	6,306	6,981	15,771
1979	88,519	6,640	3,979	10,725	19,526	3,559	5,859	10,236	8,129	19,866
1980	104,631	6,603	3,576	12,170	32,875	2,889	6,544	9,368	7,110	23,496
1981	106,956	5,772	5,010	12,019	36,904	5,210	5,787	12,700	3,489	20,065
1982	87,544	5,792	4,006	9,476	31,524	1,563	6,663	8,710	3,915	15,895
1983	88,180	5,909	3,231	10,002	25,718	2,113	8,869	7,909	5,807	18,622
Expenditures: 1970	26,321	1,598	1,046	3,143	5,559	1,746	2,408	3,093	1,689	6,039
1975	45,557	3,081	1,905	7,172	11,907	3,552	2,227	4,014	1,808	9,891
1976	47,055	3,686	2,073	7,486	12,551	3,552	2,445	4,442	1,701	9,139
1977	52,498	3,882	1,825	7,545	14,350	3,048	3,064	4,747	3,321	10,716
1978	58,356	4,217	2,140	7,797	14,495	2,671	3,668	5,445	4,508	13,415
1979	73,126	5,037	3,018	9,309	16,876	3,243	4,918	8,400	5,335	16,990
1980	88,209	6,014	3,859	10,918	22,228	3,458	6,271	9,826	5,555	20,080
1981	101,341	6,744	3,746	11,785	31,578	3,405	6,069	11,289	6,688	20,037
1982	98,614	5,802	3,653	11,180	33,317	3,545	6,354	10,906	5,610	18,247
1983	75,710	5,426	3,357	9,340	20,441	2,136	6,964	7,768	4,007	16,271

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations.* (Copyright.)

No. 1353. U.S. Share of World Exports of Manufactures: 1960 to 1983

[World exports=exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom Percents are calculated from the values of exports of the six commodity groups from each of the 15 countries. Percentage shares are based on values excluding shipments to the United States and are based on current exchange rates. Beginning 1978, detail for all countries except Canada and Japan are reported according to Revision 2 instead of Revision 1 of the United Nations Standard International Trade Classification (SITC). Canadian data are reported according to Revision 2 beginning 1979]

YEAR	U.S. EXPORTS [1]		PRODUCT CATEGORY	U.S. MANUFACTURES EXPORTS [1]									
	Total (bil. dol.)	Percent of world exports		Total (bil. dol.)					Percent of world exports				
				1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
			Total	**116.7**	**144.0**	**154.3**	**139.7**	**132.4**	**17.3**	**18.3**	**20.6**	**19.8**	**19.4**
1960	12.7	25.3	Nonelectrical machinery	33.2	41.9	47.6	44.2	38.6	23.9	25.1	28.9	28.4	26.6
1965	17.3	22.5	Transport equipment	25.8	28.8	32.8	27.8	28.3	22.7	23.2	24.7	22.1	23.6
1970	29.4	21.1	Chemicals	17.3	20.7	21.2	19.9	19.8	17.9	18.8	20.6	20.2	19.8
1975	71.0	19.1	Electrical machinery	11.6	13.9	15.4	15.2	15.7	18.5	19.2	21.6	22.2	22.8
1976	77.2	18.8	Basic manufactures [2]	16.2	22.3	20.6	16.7	14.9	9.1	10.6	11.5	10.1	9.4
1977	80.2	17.3	Misc. articles [3]	12.6	16.3	16.7	16.0	15.2	15.1	16.3	17.4	17.2	16.7
1978	94.5	17.0											

[1] Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. [2] Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. [3] Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Business America,* biweekly, and *Market Share Reports,* annual.

No. 1354. Employment Related to Manufactured Exports by Industry: 1976 to 1981

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	1976			1977			1980			1981		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment
U.S.	**86,892**	**3,452**	**4.0**	**89,369**	**3,258**	**3.6**	**100,275**	**4,808**	**4.8**	**101,721**	**4,794**	**4.7**
Manufacturing	18,753	2,125	11.3	19,590	1,990	10.2	20,662	2,639	12.8	[1] 20,261	2,604	12.9
Nonmfg	*68,139*	*1,327*	*1.9*	*69,779*	*1,268*	*1.8*	*79,613*	*2,170*	*2.7*	*81,460*	*2,190*	*2.7*
Trade	16,025	489	3.1	16,653	489	2.9	19,737	845	4.3	19,937	926	4.6
Business serv.	12,851	256	2.0	16,750	215	1.3	17,245	575	3.3	17,641	546	3.1
Transp.[2]	4,584	192	4.2	4,797	185	3.9	6,369	305	4.8	5,803	259	4.5
Agriculture	3,403	137	4.0	3,044	129	4.2	3,225	144	4.5	3,297	147	4.5
Mining	688	35	5.1	747	34	4.6	947	69	7.3	1,157	80	6.9
Other	30,588	218	.7	27,788	216	.8	32,090	233	.7	33,625	232	.7

[1] See footnote 1, table 1356. [2] Includes communications and utilities.

No. 1355. Exports and Export-Related Employment of Manufacturing Establishments, 1963 to 1981, and by Industry, 1981

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Total [1] (bil. dol.)	Export related			Export related as percent of shipments	Total [4] (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct exports[2] (bil. dol.)	Supporting exports[3] (bil. dol.)			Total [4] (1,000)	Direct exports[5] (1,000)	Supporting exports[4] [6] (1,000)	
(X)	1963	420.5		16.5		3.9	16,958		(NA)		(NA)
(X)	1971	671.0		33.1		4.9	18,363		746		4.1
(X)	*1972*	*756.5*		*36.7*		*4.9*	*19,027*		*770*		*4.0*
(X)	1976	1,185.7	137.7	83.1	54.1	7.0	18,753	2,125	1,173	952	11.3
(X)	1977	1,358.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106	884	10.2
(X)	1980	1,852.7	249.8	151.2	98.6	13.5	20,647	2,639	1,486	1,153	12.8
(X)	**1981, total**	**2,017.5**	**271.7**	**164.3**	**107.4**	**13.4**	**20,264**	**2,604**	**1,486**	**1,118**	**12.9**
20	Food and kindred products	272.1	17.7	12.1	5.5	6.4	1,511	76	46	31	5.0
21	*Tobacco products*	13.1	2.8	2.1	.7	21.4	61	12	9	3	18.9
22	Textile mill products	50.3	5.5	2.6	2.9	10.9	785	80	35	44	10.1
23	Apparel, other textile prod	49.8	2.0	1.3	.7	4.0	1,251	39	25	14	3.1
24	Lumber and wood products	46.8	5.5	2.6	2.8	11.7	649	65	25	40	10.0
25	*Furniture and fixtures*	23.9	.7	.5	.2	3.0	460	13	9	4	2.8
26	Paper and allied products	80.2	10.0	4.1	5.9	12.5	636	72	23	49	11.2
27	Printing and publishing	77.3	2.3	1.3	1.1	3.0	1,270	33	16	17	2.5
28	*Chemical and allied prod*	180.5	36.0	19.3	16.7	19.9	892	164	90	74	18.3
29	Petroleum and coal products	224.1	14.2	3.3	10.8	6.3	152	10	3	7	6.8
30	Rubber, misc. plastics prod	53.2	6.1	2.7	3.4	11.4	691	76	31	45	10.9
31	*Leather, leather products*	10.5	.6	.5	.1	6.0	228	9	7	1	3.7
32	Stone, clay, glass products	48.0	4.3	1.8	2.5	9.0	590	53	21	31	8.9
33	Primary metal industries	141.9	27.4	6.2	21.3	19.3	1,063	199	41	158	18.7
34	*Fabricated metal products*	123.7	15.4	7.1	8.3	12.4	1,568	192	88	104	12.2
35	Machinery, except electric	201.5	48.1	38.4	9.7	23.8	2,380	517	387	130	21.7
36	Electric, electronic equip	140.2	23.3	16.5	6.8	16.6	1,959	341	240	101	17.4
37	Transportation equipment	205.2	37.6	31.2	6.5	18.3	1,749	313	256	57	17.9
38	Instruments and related products	48.3	9.2	8.0	1.2	18.9	612	119	102	16	19.3
39	Misc. manufacturing	26.9	2.9	2.5	.3	10.6	413	37	32	5	8.9

NA Not available. X Not applicable. [1] Includes total domestic and export shipments for all manufacturing establishments. [2] Includes only the value of manufactured products exported by the producing plants. [3] Includes shipments of components, parts, supplies, etc., used by plants producing the export products. [4] Includes employees of central administrative offices and auxiliaries. [5] Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value. [6] Manufacturing employment at establishment producing components, parts, supplies, etc. for use by plants producing for export.

Source of tables 1354 and 1355: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972,* and *1977;* and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

No. 1356. Exports and Export-Related Employment of Manufacturing Establishments, by State: 1981

[See headnote, table 1355. Includes employees of central administrative and auxiliary offices]

Region, division, and state	Manufactuer's shipment value					Manufacturing employment				
	Total (bil. dol.)	Export related			Export related as percent of shipments	Total (1,000)	Export related			Export related as percent of total employment
		Total (bil dol.)	Direct exports (bil. dol.)	Supporting exports (bil. dol.)			Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	
U.S.	**2,017.5**	**271.7**	**164.3**	**107.4**	**13.4**	**20,264**	**2,604**	**1,486**	**1,118**	**12.8**
Region:										
Northeast	413.1	54.7	32.9	21.7	13.2	5,136	652	358	296	12.7
Midwest	636.6	84.5	51.3	33.3	13.3	5,941	795	432	360	13.4
South	657.6	83.7	45.8	37.7	12.7	6.032	669	355	313	11.1
West	310.3	48.9	34.4	14.7	15.8	3,159	490	336	152	15.5
N. Eng	**105.5**	**15.7**	**10.1**	**5.5**	**14.9**	**1,550**	**214**	**124**	**91**	**13.8**
ME	9.1	.9	.5	.4	10.1	115	11	6	5	9.9
NH	7.3	1.0	.6	.4	13.6	111	16	10	6	14.1
VT	3.6	.5	.2	.2	12.3	50	6	3	3	11.6
MA	47.9	7.4	5.1	2.3	15.4	692	98	59	39	14.2
RI	7.6	1.0	.6	.4	13.4	127	15	9	7	12.0
CT	30.0	4.9	3.1	1.8	16.2	455	68	37	31	14.9
Mid. Atl	**307.5**	**39.0**	**22.8**	**16.2**	**12.7**	**3,586**	**438**	**234**	**205**	**12.2**
NY	119.3	15.3	10.2	5.1	12.7	1,502	172	98	74	11.4
NJ	73.0	8.2	4.5	3.7	11.2	793	95	46	49	11.9
PA	115.2	15.5	8.1	7.4	13.4	1,291	171	90	82	13.2
E. No. Cent	**479.5**	**66.9**	**40.0**	**27.0**	**14.0**	**4,577**	**635**	**338**	**295**	**13.9**
OH	122.3	18.1	10.4	7.8	14.8	1,219	180	96	84	14.7
IN	70.3	9.7	5.0	4.7	13.7	643	86	45	41	13.3
IL	127.0	17.0	10.4	6.7	13.4	1,210	157	84	73	12.9
MI	105.2	15.5	10.3	5.2	14.7	977	143	74	68	14.6
WI	54.7	6.6	4.0	2.6	12.0	528	69	39	29	13.0
W. No. Cent	**157.1**	**17.6**	**11.3**	**6.3**	**11.2**	**1,364**	**160**	**94**	**65**	**11.7**
MN	35.5	4.1	2.7	1.4	11.6	373	46	26	20	12.4
IA	33.2	3.9	2.7	1.2	11.8	236	29	19	9	12.0
MO	41.2	4.9	3.0	1.8	11.7	430	48	27	21	11.1
ND	2.4	.2	.2	.1	10.2	15	2	1	1	11.1
SD	2.9	.3	.2	.1	9.1	27	2	1	1	7.9
NE	15.4	1.5	.9	.5	9.5	95	10	6	4	10.0
KS	26.5	2.7	1.5	1.2	10.1	188	23	14	9	12.4
So. Atl	**253.7**	**32.8**	**18.9**	**13.8**	**12.9**	**3,045**	**326**	**168**	**158**	**10.7**
DE	9.1	.9	.4	.5	9.4	67	9	3	7	13.5
MD	21.3	2.3	1.2	1.1	11.0	243	26	13	14	10.8
DC	1.3	(z)	(z)	(z)	2.4	16	1	(z)	(z)	3.0
VA	35.9	5.2	3.3	1.8	14.3	411	46	27	19	11.1
WV	11.9	2.4	1.2	1.2	19.7	109	16	7	9	14.6
NC	62.2	7.8	4.7	3.1	12.5	822	81	41	39	9.8
SC	27.9	4.2	2.2	2.0	15.0	388	46	22	24	11.7
GA	47.2	5.0	2.5	2.5	10.5	527	51	25	26	9.7
FL	36.8	5.0	3.4	1.6	13.4	462	50	30	20	10.8
E. So. Cent	**122.0**	**15.5**	**8.3**	**7.1**	**12.7**	**1,309**	**135**	**70**	**65**	**10.3**
KY	30.4	3.8	1.9	1.8	12.3	267	29	14	15	10.6
TN	41.3	5.6	3.3	2.3	13.4	492	51	28	24	10.3
AL	30.5	4.0	1.9	2.1	13.1	346	38	19	19	11.0
MS	19.8	2.1	1.2	.9	10.4	204	17	9	7	8.2
W. So. Cent	**281.9**	**35.4**	**18.5**	**16.8**	**12.6**	**1,678**	**208**	**118**	**90**	**12.4**
AR	18.5	2.5	1.6	.9	13.6	197	21	12	9	10.5
LA	57.8	7.4	3.7	3.7	12.8	208	25	14	11	11.9
OK	25.3	2.8	1.5	1.2	10.8	205	26	15	11	12.4
TX	180.3	22.7	11.7	11.0	12.5	1,068	136	77	59	12.7
Mt	**56.8**	**7.0**	**4.1**	**3.1**	**12.3**	**572**	**79**	**49**	**27**	**13.8**
MT	4.3	.3	.1	.3	7.6	23	2	(z)	1	7.5
ID	5.0	.7	.5	.3	14.7	50	6	3	3	11.7
WY	3.2	.2	(z)	.2	5.6	11	1	–	1	4.4
CO	17.2	1.9	1.3	.6	11.1	188	24	16	8	12.7
NM	3.2	.2	.1	.2	7.2	34	2	(z)	1	4.6
AZ	12.5	2.5	1.6	.8	19.7	156	32	24	8	20.5
UT	9.8	1.0	.4	.6	10.6	92	10	5	4	10.3
NV	1.6	.2	.1	.1	13.1	18	2	1	1	10.1
Pac	**253.6**	**41.9**	**30.3**	**11.6**	**16.5**	**2,587**	**411**	**287**	**125**	**15.9**
WA	36.8	10.8	9.0	1.7	29.2	304	80	67	14	26.3
OR	18.8	2.8	1.7	1.1	14.8	204	30	18	11	14.5
CA	192.4	27.4	18.8	8.6	14.2	2,040	296	197	99	14.5
AK	2.0	.7	.7	.1	36.3	13	4	4	(z)	34.1
HI	3.6	.2	.1	.1	6.3	26	1	1	1	4.5

– Represents zero. Z Less than $50 million or fewer than 500.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products* M81(AS)-5.

No. 1357. U.S. Exports and Imports of Manufactured Products: 1974 to 1982

1972 SIC [1] code	Products	Exports: Export value, 1982 (mil. dol.)	Exports: Exports/shipment ratio 1974 (percent)	Exports: Exports/shipment ratio 1981 [2] (percent)	Imports [3]: Import value, 1982, (mil. dol.)	Imports [3]: Import penetration ratio [4] 1974 (percent)	Imports [3]: Import penetration ratio [4] 1981 [2] (percent)
	Total manufactured products	**168,376**	**8.0**	**9.5**	**170,406**	**7.7**	**9.1**
20	Food and kindred products	11,079	3.8	5.2	9,561	4.7	4.3
21	Tobacco manufactures	1,287	7.2	12.7	227	.7	2.0
22	Textile mill products	1,766	5.1	5.9	2,225	5.3	5.9
23	Apparel and other textile products	1,271	2.1	3.4	8,432	8.3	16.2
24	Lumber and wood products	2,863	6.6	7.2	3,059	8.6	9.8
25	Furniture and fixtures	564	1.1	2.5	1,354	3.2	5.0
26	Paper and allied products	4,210	6.0	6.2	5,468	6.1	6.8
27	Printing and publishing	1,358	1.5	1.9	547	1.0	.9
28	Chemicals and allied products	20,021	11.0	12.6	7,632	4.0	4.7
29	Petroleum refining	6,402	1.8	1.8	15,643	16.2	7.3
30	Rubber and misc. plastics products	2,631	4.9	5.9	2,937	5.3	6.1
31	Leather and leather products	498	3.1	5.4	4,496	20.0	40.3
32	Stone, clay, and glass products	1,860	3.5	4.5	2,398	4.1	5.4
33	Primary metal products	4,872	4.6	4.8	15,352	11.8	15.4
34	Fabricated metal products	7,692	5.1	7.1	5,186	3.4	4.1
35	Machinery, except electrical	36,919	19.2	23.9	14,994	6.3	8.7
36	Electrical and electronic equip	18,173	10.2	13.5	20,097	10.0	13.9
37	Transportation equipment	29,702	14.0	16.9	36,657	12.6	16.5
38	Instruments and related prod	8,371	15.8	19.0	5,379	7.6	12.7
39	Miscellaneous manufactures	2,208	10.4	11.9	7,111	16.9	29.9
(X)	Unclassified products	2,629	-	-	1,651	-	-

- Represents zero. X Not applicable. [1] Standard Industrial Classification. [2] 1982 data are not yet available on a comparable basis. [3] Import data for 1974 and 1982 are valued on a customs basis; data for 1981 are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. [4] Ratio of imports to new supply (domestic product shipments plus imports).

No. 1358. U.S. Exports and Imports For 20-Leading 4-Digit SIC Product Groups: 1982

[In millions of dollars, except as indicated. Ranked by value of 1982 imports and exports]

1972 SIC [1] code	Products	Exports: Total (mil. dol.)	Exports: Percent of shipments	1972 SIC [1] code	Products	Imports [2]: Total (mil. dol.)	Imports [2]: Percent of supply
3573	Electronic computing equipment	8,957	23.9	3711	Motor vehicles and car bodies	25,579	26.6
3721	Aircraft	7,236	25.1	2911	Petroleum refinery products	15,590	7.2
3714	Motor vehicle parts and accessories	6,844	19.1	3312	Blast furnace and steel mill prod	8,861	19.4
3711	Motor vehicles and car bodies	6,388	9.0	3714	Motor vehicle parts and accessories	6,045	14.4
2911	Petroleum refinery products	5,957	3.0	3651	Radio and TV receiving sets	5,307	46.5
3533	Oil field machinery	5,130	45.7	3674	Semiconductors and related devices	4,101	23.6
3531	Construction machinery	4,856	41.4	3579	Office machines	3,411	44.8
3728	Aircraft equipment, n.e.c.[3]	4,401	38.8	2621	Paper mill products	3,240	13.3
2869	Industrial organic chemicals	4,387	14.5	3662	Radio and TV communication equip	2,821	7.8
3674	Semiconductors and related devices	3,041	23.0	3339	Primary nonferrous metals	2,746	54.3
3662	Radio and TV communication equip	2,771	8.3	2369	Outerwear	2,123	65.7
2819	Industrial inorganic chemicals	2,497	20.5	3861	Photographic equip. and supplies	2,107	11.0
2821	Plastic materials and resins	2,472	15.7	3915	Lapidary work	1,981	72.6
3861	Photographic equipment and supplies	2,390	14.0	2819	Industrial inorganic chemicals	1,896	13.5
3569	General industrial machinery	2,350	52.1	2421	Sawmill and planing mill prod	1,770	14.9
3519	Internal combustion engines, n.e.c.[3]	2,345	25.4	2321	Shirts, nightwear (men's and boys)	1,707	32.9
3724	Aircraft engines and parts	2,308	16.9	2011	Meat products	1,638	3.5
3679	Electronic components, n.e.c.[3]	2,138	15.7	3944	Games, toys, children's vehicles	1,621	26.4
3079	Plastic products, miscellaneous	1,881	5.1	3569	General industrial machinery	1,527	25.3
2075	Soybean oil mill products	1,822	21.0	2611	Pulp mill products	1,493	32.3

[1] Standard Industrial Classification. [2] Imports are valued on a customs basis. Supply equals shipments plus imports. [3] Not elsewhere classified.

Source of tables 1357 and 1358: U.S. International Trade Administration, 1984 U.S. Industrial Outlook.

No. 1359. Fuels and Electric Energy Used in Manufacturing Industries: 1958 to 1981

[**Btu=British thermal unit.** For definition of Btu, see text, p. 551]

Industry group and type of energy	Unit	1958	1962	1967	1975	1977	1978	1979	1980	1981
ENERGY USED										
All manufacturing industries [1]	**Tril. Btu**	**8,248**	**9,811**	**11,810**	**12,084**	**12,888**	**12,901**	**12,869**	**11,946**	**11,563**
Chemicals and allied products	Tril. Btu	1,542	1,877	2,460	2,806	2,983	2,900	2,895	2,721	2,630
Primary metals	Tril. Btu	1,769	2,303	2,422	2,240	2,560	2,689	2,685	2,311	2,241
Paper and allied products	Tril. Btu	806	929	1,156	1,210	1,307	1,301	1,300	1,279	1,262
Petroleum and coal products	Tril. Btu	932	1,145	1,394	1,333	1,238	1,123	1,245	1,181	1,137
Stone, clay, and glass products	Tril. Btu	945	1,056	1,229	1,160	1,251	1,300	1,266	1,132	1,078
Food and kindred products	Tril. Btu	766	803	900	914	956	980	949	950	913
Fabricated metal products	Tril. Btu	190	213	298	368	394	400	386	362	352
Machinery, exc. electrical	Tril. Btu	210	235	311	328	340	351	352	337	325
Lumber and wood products	Tril. Btu	90	118	188	229	228	231	223	203	185
Printing and publishing	Tril. Btu	41	50	66	87	92	92	90	90	91
TYPE OF ENERGY										
Purchased fuels and elec. energy [1]	**Tril. Btu**	**8,248**	**9,811**	**11,810**	**12,084**	**12,888**	**12,901**	**12,869**	**11,946**	**11,563**
Cost	Mil. dol	5,067	6,184	7,692	23,291	33,335	37,613	42,714	48,343	55,255
Fuels	Mil. dol	2,836	3,361	3,975	12,978	18,818	20,618	23,651	26,487	29,747
Electric energy	Mil. dol	2,231	2,823	3,717	10,313	14,517	16,995	19,063	21,856	25,508
Coal	Tril. Btu	2,143	2,343	1,967	1,169	1,329	1,349	1,325	1,322	1,387
Cost	Mil. dol	638	640	552	1,310	1,494	1,685	1,760	1,869	2,186
Fuel oil [2]	Tril. Btu	969	1,209	1,092	1,726	2,125	2,120	1,562	1,160	952
Cost	Mil. dol	523	623	536	3,519	4,886	4,846	4,657	4,757	4,865
Gas	Tril. Btu	3,187	4,411	5,434	5,944	5,700	5,603	5,971	5,680	5,546
Cost	Mil. dol	901	1,456	1,749	5,653	8,875	9,861	12,340	14,714	17,423
Purchased electric energy	Tril. Btu	863	1,071	1,459	2,036	2,253	2,306	2,338	2,250	2,272
Cost	Mil. dol	2,231	2,823	3,717	10,313	14,517	16,995	19,063	21,856	25,508

[1] Includes industries and types not shown separately. [2] Includes fuel-oil related products.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977;* and *Annual Survey of Manufactures.*

No. 1360. Energy Consumption per Constant Dollar of Value Added for Selected Industries: 1971 to 1977

[**1,000 Btu's per 1972 dollar.** Includes basic industries. Industries selected on the basis of both total energy consumed and energy intensiveness; industries account for about 60 percent of total manufacturing energy consumption and about 8 percent of total manufacturing value added; see source for details. Consumption values include estimates of externally generated energy as well as purchased fuels and electric power. Minus sign (–) indicates decrease]

Year	Total economy [1]	All manufacturing	8-industry groups	Paper	Paperboard	Inorganic chemicals	Organic chemicals [2]	Petroleum refining	Cement	Steel	Aluminum
1971	61.6	52.5	373.9	316.2	458.8	245.8	277.9	631.4	421.4	314.5	418.5
1974	59.7	46.2	337.8	291.1	461.3	218.9	241.7	635.8	435.9	262.4	406.8
1975	58.8	46.6	353.4	319.3	503.7	210.8	244.8	613.7	442.9	262.4	401.0
1976	58.5	44.1	338.1	317.7	470.6	212.2	227.4	590.9	432.7	274.7	372.1
1977	57.1	42.3	329.2	308.7	464.8	203.3	193.9	573.7	411.2	282.7	379.9
AVERAGE ANNUAL PERCENT CHANGE											
1971–1974	–1.0	–4.0	–3.2	–2.6	.2	–3.6	–4.3	.2	1.1	–5.5	–.9
1974–1975	–1.5	.9	4.6	9.7	9.2	–3.7	1.3	–3.5	1.6	7.5	–1.4
1975–1976	–.5	–5.4	–4.3	–.5	–6.6	.7	–7.1	–3.7	–2.3	–2.7	–7.2
1976–1977	–2.4	–4.1	–2.6	–2.8	–1.2	–4.2	–14.7	–2.9	–5.0	2.9	2.1

[1] Total gross energy consumption per constant dollar of GNP. [2] Excludes petrochemical feedstocks.

Source: U.S. Dept. of Commerce, International Trade Administration, *Industrial Economics Review,* Summer 1980.

No. 1361. Percent Share of Value Added by Manufacture for Largest Companies in Manufacturing, 1947 to 1977, and of Employees and Shipments, 1963 to 1977

[**Percent of total manufacturing.** Companies ranked on value added by manufacture; companies in each group are not identical for all years. See also *Historical Statistics, Colonial Times to 1970,* series P 177–180]

Item	Value added [1]						Employment [2]			Shipments [3]		
	1947	1954	1963	1967	1972	1977	1963	1972	1977	1963	1972	1977
Largest 50 companies	17	23	25	25	25	18	19	19	24	25	24	25
Largest 100 companies	23	30	33	33	33	25	25	26	33	34	33	35
Largest 150 companies	27	34	37	38	39	30	29	31	40	38	39	41
Largest 200 companies	30	37	41	42	43	34	32	35	44	42	43	45

[1] See footnote 6, table 1337. [2] Includes central administrative offices and auxiliaries. [3] See footnote 7, table 1337.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing,* MC77–SR–9.

No. 1362. Percent of Shipments Accounted for by Large Manufacturing Companies, Selected Industries: 1972 and 1977

[First 32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of shipments in 1977 of $4 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification Manual* (SIC), see text, p. 744. Determination of company affiliation of establishment is based on census reports and publicly available records. "Largest" companies are determined by each company's value added by manufacture *in the specified industry*. Industries in the "not elsewhere classified" category are omitted, regardless of their value added]

Industry code	INDUSTRY	Year	Number of companies	Value added by manufacture [1] (mil. dol.)	Total value of shipments [2] (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE: 4 largest	8 largest	20 largest	50 largest
2911	Petroleum refining	1972	152	4,595	25,921	31	56	84	95
		1977	192	14,424	91,689	30	53	81	94
3711	Motor vehicles and car bodies	1972	165	11,783	42,906	93	99	99+	99+
		1977	254	18,724	76,518	93	99	99+	99+
3312	Blast furnaces and steel mills	1972	241	10,305	23,947	45	65	84	96
		1977	395	15,332	41,998	45	65	84	95
3714	Motor vehicle parts and accessories	1972	1,748	9,165	18,334	61	69	78	86
		1977	2,194	16,264	35,751	62	70	79	86
2011	Meatpacking plants	1972	2,291	2,968	23,003	22	37	51	66
		1977	2,404	4,010	31,208	19	37	49	62
3662	Radio and TV communications equipment	1972	1,524	5,803	9,140	19	33	58	77
		1977	1,873	9,938	14,886	20	33	57	73
3721	Aircraft	1972	141	5,083	8,779	66	86	99	99+
		1977	151	8,134	14,834	59	81	99	99+
2026	Fluid milk	1972	2,025	2,552	9,396	18	26	42	56
		1977	1,516	3,176	13,786	18	28	43	60
2711	Newspapers	1972	7,461	6,220	8,263	17	28	43	60
		1977	7,821	9,519	13,056	19	31	45	62
3573	Electronic computing equipment	1972	518	3,419	6,471	51	63	78	90
		1977	808	7,624	12,924	44	55	71	85
3531	Construction machinery	1972	644	3,131	6,091	43	54	72	86
		1977	807	5,744	12,629	47	59	75	86
2621	Papermills, exc. building paper	1972	194	2,909	6,385	24	40	66	88
		1977	171	5,407	12,613	23	42	70	92
2834	Pharmaceutical preparations	1972	680	5,640	7,150	26	44	75	91
		1977	655	8,214	11,459	24	43	73	91
2421	Sawmills and planing mills, general	1972	7,664	2,907	6,421	18	23	33	45
		1977	6,966	4,453	10,867	17	23	36	49
2821	Plastics materials and resins	1972	193	2,161	4,478	26	41	65	90
		1977	221	4,143	10,818	22	37	60	87
3523	Farm machinery and equipment	1972	1,465	2,248	4,530	47	61	69	78
		1977	1,868	4,854	10,282	46	61	70	78
2086	Bottled and canned soft drinks	1972	2,273	2,337	5,454	14	21	32	44
		1977	1,758	4,085	10,007	15	22	36	50
3661	Photographic equipment and supplies	1972	555	4,088	5,624	74	85	92	95
		1977	702	6,732	9,945	72	86	90	94
3465	Automotive stampings	1972	388	2,664	5,286	69	72	79	87
		1977	495	4,655	9,739	65	70	77	84
3585	Refrigeration and heating equipment	1972	655	3,517	7,084	40	53	70	85
		1977	731	4,469	9,638	41	51	67	82
2752	Commercial printing, lithographic	1972	8,160	3,159	5,125	4	8	15	24
		1977	10,964	5,338	9,360	6	10	17	26
2051	Bread, cake, and related products	1972	2,800	3,518	6,132	29	39	50	62
		1977	2,549	5,370	9,275	33	40	54	68
3011	Tires and inner tubes	1972	136	3,071	5,747	73	90	98	99+
		1977	121	4,347	8,971	70	88	97	99+
3661	Telephone, telegraph apparatus	1972	157	2,650	4,525	(D)	(D)	98	99+
		1977	208	4,192	7,858	(D)	89	94	98
3321	Gray iron foundries [3]	1972	893	2,257	3,877	34	45	59	71
		1977	865	4,071	7,389	34	44	60	73
2844	Toilet preparations	1972	593	2,834	4,053	38	53	74	91
		1977	644	4,527	6,557	40	56	74	90
2824	Organic fibers, noncellulosic	1972	36	2,040	3,639	74	91	99+	100
		1977	37	2,804	6,380	78	90	99	100
2111	Cigarettes	1972	7	[4] 2,188	[4] 3,745	(D)	(D)	(X)	(X)
		1977	8	[4] 3,803	[4] 6,377	(D)	(D)	(X)	(X)
2721	Periodicals	1972	2,451	2,110	3,511	26	38	54	69
		1977	2,860	3,763	6,057	22	35	52	67
2841	Soap and other detergents	1972	577	2,039	3,394	62	74	85	92
		1977	554	2,868	5,671	59	71	82	89
3761	Guided missiles and space vehicles	1972	23	2,949	4,124	62	88	(D)	100
		1977	20	3,565	5,314	64	94	100	(X)
2751	Commercial printing, letterpress	1972	13,040	2,015	3,306	14	19	26	35
		1977	14,375	2,441	4,284	14	19	25	31

D Withheld to avoid disclosure. X Not applicable. [1] See footnote 6, table 1337. [2] See footnote 7, table 1337. [3] Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such. [4] Value of production reported instead of value of shipments; therefore, formula for computing adjusted value added modified to include only changes in work-in-process inventories between beginning and end of year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing*, MC77-SR-9.

No. 1363. Beverage Industry—Summary: 1970 to 1982

Year and item	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1970: Employees	1,000	228	57	2	9	21	129	11
Payroll	Mil. dol	1,884	616	19	71	171	916	91
Value added by manufacture	Mil. dol	6,144	2,028	58	258	887	2,121	792
Value of shipments	Mil. dol	12,373	3,822	210	591	1,758	4,631	1,361
1975: Employees	1,000	204	47	2	11	16	117	11
Payroll	Mil. dol	2,418	726	24	131	198	1,210	129
Value added by manufacture	Mil. dol	8,110	2,008	122	500	1,056	3,321	1,103
Value of shipments	Mil. dol	20,396	5,641	591	1,197	2,004	8,602	2,361
1980: Employees	1,000	199	43	2	11	14	118	11
Payroll	Mil. dol	3,646	1,122	40	191	253	1,650	191
Value added by manufacture	Mil. dol	13,708	3,639	162	811	1,849	5,346	1,898
Value of shipments	Mil. dol	33,041	9,362	680	2,189	3,389	13,909	3,513
1981: Employees	1,000	199	44	2	11	14	117	11
Payroll	Mil. dol	3,940	1,247	44	206	264	1,972	206
Value added by manufacture	Mil. dol	14,855	3,842	192	888	1,765	6,075	2,094
Value of shipments	Mil. dol	36,075	10,179	743	2,408	3,605	15,286	3,855
1982: [1] Employees	1,000	195	43	2	12	12	114	12
Payroll	Mil. dol	4,237	1,308	43	245	257	2,146	238
Value of shipments	Mil. dol	38,786	11,195	662	2,783	3,072	16,836	4,238

[1] Preliminary. Value added by manufacture not available.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures* and *Census of Manufactures, 1982.*

No. 1364. Alcoholic Beverages—Summary: 1965 to 1983

[For years ending **June 30** except, beginning **1977**, ending **Sept. 30.** Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

Item	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Beer: Breweries operated	Number	197	154	117	95	89	86	86	92	82	92
Production	Mil. bbl.[1]	108	135	158	170	176	184	193	195	194	196
Imports (incl. ale, etc.) [2]	Mil. bbl.[1]	(NA)	(NA)	1.7	2.6	3.1	4.1	4.6	5.2	5.8	6.3
Value of shipments (SIC 2082) [3]	Mil. dol	2,470	3,822	5,641	6,653	7,539	8,353	9,362	10,179	[4] 11,195	(NA)
Tax-paid withdrawals	Mil. bbl.[1]	100	123	147	156	160	167	172	177	176	178
Stocks on hand, June 30	Mil. bbl.[1]	13	15	14	14	14	14	15	14	14	15
Per capita consumption [5]	Gallons	25.5	28.6	32.8	32.3	33.1	34.0	34.9	35.6	33.4	33.1
Of domestic output	Gallons	25.3	28.4	32.4	31.8	32.4	33.1	34.0	34.5	32.0	32.3
Distilled spirits:											
Production facilities, operated	Number	153	140	115	96	101	135	143	114	121	121
Warehouses operated	Number	268	274	241	222	220	210	200	198	202	193
Production, total [6]	Mil. tax gal.[7 8]	276	355	278	225	268	246	236	259	217	181
Whisky	Mil. tax gal.[7 8]	118	160	50	82	71	104	87	90	96	80
Imports [2]	Mil. tax gal.[7 8]	57.0	90.9	113.5	113.1	128.6	123.6	90.7	117.9	106.0	116.4
Tax-paid withdrawals, total [9]	Mil. tax gal.[7 8]	205	256	295	296	321	318	330	321	312	306
Whisky	Mil. tax gal.[7 8]	90	112	137	126	136	125	42	(NA)	(NA)	(NA)
Stocks on hand, June 30, total [6]	Mil. tax gal.[7 8]	990	1,091	836	726	670	659	696	691	654	640
Whisky	Mil. tax gal.[7 8]	641	960	780	668	611	596	566	544	540	523
Bottled for consumption, total	Mil. wine gal.[10]	244	312	357	361	390	379	392	388	3[illegible]5	377
Whisky	Mil. wine gal.[10]	161	192	182	166	170	166	165	162	153	154
Per capita [5]	Wine gal.[10]	2.13	2.61	2.49	2.67	2.78	2.70	2.90	2.84	2.62	2.59
Of domestic output	Wine gal.[10]	1.66	1.91	1.75	1.93	2.02	1.96	2.00	2.02	1.80	1.76
Still wines: Production [11]	Mil. wine gal.[10]	565	713	782	771	731	739	982	901	546	613
Imports [2]	Mil. wine gal.[10]	9.9	22.1	40.3	58.4	81.3	81.0	90.7	101.1	107.5	58.6
Tax-paid withdrawals [12]	Mil. wine gal.[10]	163	204	287	306	313	326	340	363	365	365
Stocks on hand, June 30 [13]	Mil. wine gal.[10]	157	207	325	392	431	485	486	602	519	595
Per capita [5]	Wine gal.[10]	1.44	1.70	2.20	2.45	2.54	2.60	2.65	2.68	2.81	2.82
Of domestic output	Wine gal.[10]	1.32	1.52	1.96	2.35	2.01	2.02	2.02	2.02	2.14	2.13
Effervescent wines: [14]											
Production	Mil. wine gal.[10]	6.4	20.0	18.0	21.2	23.8	24.4	26.8	31.2	30.6	36.5
Imports [2]	Mil. wine gal.[10]	1.6	2.0	2.1	3.3	4.9	5.0	5.2	7.9	8.7	11.4
Tax-paid withdrawals	Mil. wine gal.[10]	5.7	17.1	17.6	20.3	21.2	22.1	24.1	27.0	26.5	31.7
Stocks on hand, June 30	Mil. wine gal.[10]	3.6	8.1	9.0	10.4	11.4	12.1	11.9	14.4	17.6	21.5
Per capita [5]	Wine gal.[10]	.06	.15	.13	.16	.15	.15	.17	.19	.22	.25
Of domestic output	Wine gal.[10]	.05	.13	.12	.14	.13	.12	.12	.14	.17	.19

NA Not available. [1] Barrels of 31 wine gallons (see footnote 9). [2] Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports*, FT 246. [3] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *1982*, and *Annual Survey of Manufactures*. [4] Preliminary. [5] Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [6] Excludes alcohol produced for industrial use. [7] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnotes 8 and 10.) [8] A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. [9] Includes ethyl alcohol. [10] A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. [11] Production represents total amount removed from fermenters, including distilling material, and, beginning 1970, includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced; 1977, 347 million gal.; 1978, 258 mil. gal.; 1979, 259 mil. gal.; 1980, 184 mil. gal.; 1981, 264 mil. gal.; and 1982, 138 mil. gal.; and 1983, 223 mil. gal. [12] Includes special natural wines. [13] Excludes distilling materials. [14] Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

No. 1365. Tobacco Manufactures Industry—Summary: 1964 to 1982

[**In millions of dollars, except as indicated.** Represents SIC 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	New capital expenditures
	Total	With 20 employees or more	Number (1,000)	Payroll	Number (1,000)	Hours (mil.)	Wages				
1964 ASM	(NA)	(NA)	78.8	353	70.2	138.3	291	1,772	2,883	4,652	59
1965 ASM	(NA)	(NA)	74.6	349	66.2	124.9	285	1,766	2,884	4,648	59
1966 ASM	(NA)	(NA)	72.4	356	64.1	122.3	289	1,872	2,909	4,773	58
1967 Census	329	195	75.1	377	66.1	125.5	304	2,032	2,871	4,904	53
1968 ASM	(NA)	(NA)	73.9	396	65.2	120.6	323	2,141	2,800	4,937	50
1969 ASM	(NA)	(NA)	72.2	411	63.2	117.3	329	2,221	2,766	4,992	61
1970 ASM	(NA)	(NA)	71.4	448	62.7	116.5	362	2,489	2,859	5,350	56
1971 ASM	(NA)	(NA)	67.1	471	58.5	109.2	376	2,560	2,973	5,528	94
1972 Census	272	154	66.3	502	57.4	106.8	401	2,637	3,281	5,920	133
1973 ASM	(NA)	(NA)	68.5	557	59.2	110.5	440	2,900	3,447	6,341	180
1974 ASM	(NA)	(NA)	67.4	604	58.0	106.6	477	3,179	3,966	7,139	185
1975 ASM	(NA)	(NA)	66.2	655	56.3	104.2	513	3,722	4,396	8,113	148
1976 ASM	(NA)	(NA)	66.2	655	56.3	104.2	513	3,722	4,342	8,060	145
1977 Census	228	123	60.6	751	50.4	92.6	571	4,334	4,730	9,051	182
1978 ASM	(NA)	(NA)	59.1	813	49.1	92.2	612	4,607	5,375	9,951	254
1979 ASM	(NA)	(NA)	58.6	906	47.7	90.1	668	5,343	5,240	10,601	237
1980 ASM	(NA)	(NA)	58.0	1,045	46.6	88.1	767	6,148	6,091	12,195	367
1981 ASM	(NA)	(NA)	61.1	1,219	49.1	91.5	891	6,430	6,691	13,130	726
1982 Census [1]	157	107	57.9	1,323	45.4	83.7	957	(NA)	7,099	16,036	697

NA Not available. [1] Preliminary.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, 1972, 1977,* and *1982;* and *Annual Survey of Manufactures.*

No. 1366. Tobacco Products—Production and Consumption: 1965 to 1983

[Production data are for years ending **June 30.** Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970,* series P 239–241]

Item	Unit	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Production:													
Cigarettes [1]	Billions	562	562	652	627	688	673	688	707	702	744	711	676
Cigars [1]	Billions	8.9	8.0	8.7	8.3	6.7	5.8	5.6	5.1	4.9	5.0	4.5	4.3
Tobacco [2]	Mil. lb	169	164	152	155	153	155	156	156	163	162	160	159
Per capita consumption: [3]													
All products	Lb.[4]	11.5	9.6	9.4	9.1	8.7	8.5	8.1	8.3	8.0	7.6	7.5	7.0
Cigarettes	1,000	4.3	4.0	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.5
Weight	Lb.[4]	9.37	7.78	7.90	7.73	7.35	7.21	6.89	6.97	6.87	6.53	6.48	6.04
Cigars [5]	Number	70	60	44	39	36	33	30	27	25	23	22	22
Weight	Lb.[4]	1.24	1.00	.70	.63	.57	.54	.50	.44	.41	.39	.35	.34
Tobacco [2]	Lb.[4]	.88	.83	.75	.72	.73	.70	.68	.69	.69	.64	.65	.64

[1] Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics,* annual. [2] Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco,* quarterly. [3] Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [4] Unstemmed processing weight equivalent. [5] Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation,* quarterly.

No. 1367. Mill Consumption of Natural Fibers: 1960 to 1983

[**In million of pounds, except per capita.** Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad. See *Historical Statistics, Colonial Times to 1970,* series P 229 and P 230, for wool and silk]

Item	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983 [1]
Cotton, total [2]	4,234	4,522	3,854	3,309	3,027	3,414	3,170	3,041	3,077	3,036	2,715	2,488	2,796
Per capita (lb.)	23.4	23.2	18.8	15.6	14.2	15.9	14.6	13.9	14.0	13.3	11.8	10.7	11.9
Wool, total [3]	411	387	240	94	110	122	108	115	117	123	139	115	144
Per capita (lb.)	2.3	2.0	1.2	.4	.5	.6	.5	.5	.5	.5	.6	.5	.6
Flax, total	5	8	6	7	3	4	3	4	5	2	4	8	5
Silk, total	7	6	2	3	1	3	2	2	2	1	2	2	2

[1] *Preliminary.* [2] Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 15 pounds deducted, 1960 and 1965; 20 pounds thereafter. [3] Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation,* June 1984.

No. 1368. Man-Made Fiber Distribution: 1970 to 1981

[In millions of pounds, except per capita. Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad]

ITEM	1970	1975	1980	1981	ITEM	1970	1975	1980	1981
Rayon and acetate:					**Non-cellulosic:**				
Producers' shipments [1]	1,376.2	807.1	808.1	768.4	Producers' shipments [1] [2]	3,555.6	6,082.7	8,006.1	7,913.9
Rayon	851.0	448.3	438.2	443.5	Nylon	1,253.8	1,847.6	2,250.1	2,100.7
Acetate	479.1	305.7	276.2	230.3	Polyester	1,425.9	2,950.6	3,434.4	3,435.4
					Olefin	187.0	436.1	611.7	628.3
					Acrylic	430.7	467.3	585.3	494.1
Domestic consumption	1,414.4	801.1	733.0	701.3	Domestic consumption [2]	3,543.2	5,877.3	7,069.7	6,890.4
Per capita (lb.)	6.9	3.7	3.2	3.3	Per capita (lb.)	17.3	27.2	31.0	33.4
Exports	46.1	53.1	93.7	94.6	Exports	190.9	314.4	991.6	1,102.9
Imports	84.3	47.1	18.6	27.5	Imports	178.5	109.0	55.2	79.4

[1] Domestic consumption plus exports minus imports. [2] Includes other items not shown separately.

Source: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1369. Wool—Production, Price, and Supply: 1965 to 1983

[In millions of pounds, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series K 559-560, for shorn wool production and price, and series P 229, for wool consumed in manufacturing]

ITEM	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Stocks of all wool, Jan. 1 [1]	103	102	53	42	42	49	47	51	45	46
Sheep and lambs shorn (mil.)	24	19	14	13	13	13	13	14	13	13
Weight per fleece (lb.)	8.5	8.4	8.3	8.1	8.1	8.0	8.0	8.1	8.0	8.0
Shorn wool production (grease basis)	201	162	120	107	103	105	105	110	106	100
Price per pound [2] (cents)	47.1	35.4	44.7	72.0	74.5	86.3	88.1	94.5	68.5	61.3
Total wool production (grease basis)	225	177	125	110	104	106	107	111	107	101
Wool, clean basis: Total production	113	88	67	58	55	56	56	59	57	54
Imports of dutiable wool [3]	163	80	17	34	27	20	30	48	40	49
Imports of duty free wool [3]	109	73	17	19	23	22	26	26	21	29
Total new supply [4]	488	343	154	150	164	164	174	184	163	181
Consumed in manufacturing [5]	387	240	110	108	115	117	123	139	116	144

[1] Scoured basis. [2] Weighted season average price received by farmers. [3] Imports for consumption. [4] Production, imports, and stock of wool Jan. 1. [5] Scoured wool, plus greasy wool reduced to scoured basis. Excludes Alaska and Hawaii.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Statistics*, annual, and *Cotton and Wool Situation*. Imports from U.S. Bureau of the Census.

No. 1370. U.S. Imports and Exports of Textiles and Apparel Products: 1965 to 1983

[In millions of dollars. Excludes glassfibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (—) indicates deficit]

PRODUCT	1965	1970	1975	1978	1979	1980	1981	1982	1983
Exports	613	733	1,873	2,624	3,801	4,458	4,520	3,449	2,926
Textile mill products	510	578	1,533	2,073	3,029	3,457	3,473	2,664	2,255
Yarn and thread	119	133	271	330	590	642	813	641	479
Cotton broad woven fabric	108	112	376	426	626	546	335	238	189
Other broad woven and knit fabric	135	151	387	433	678	809	825	553	467
Narrow fabric	21	15	32	84	95	106	129	117	117
Special fabric	64	89	194	406	504	709	694	569	517
Made-up articles	52	53	185	252	329	318	332	253	216
Textile floor coverings	11	25	88	143	207	327	345	293	270
Apparel	103	155	341	551	772	1,001	1,047	785	671
Imports	1,280	2,275	3,530	7,045	7,229	8,139	9,728	10,090	11,735
Textile mill products	789	1,124	1,197	2,117	2,119	2,372	2,911	2,703	3,086
Yarn and thread	61	212	114	237	147	168	207	229	301
Cotton broad woven fabric	137	173	219	427	380	433	607	484	560
Other broad woven and knit fabric	421	498	433	754	729	784	983	900	992
Narrow fabric	16	21	20	39	46	43	56	62	63
Special fabric	69	92	215	207	263	299	292	278	303
Made-up articles	35	66	98	253	294	362	460	473	535
Textile floor coverings	50	62	98	200	260	283	306	277	392
Apparel	483	1,151	2,333	4,928	5,110	5,767	6,817	7,387	8,649
Trade balance	−667	−1,542	−1,657	−4,420	−3,428	−3,681	−5,208	−6,641	−8,809

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

No. 1371. Male and Female Clothing—Production: 1965 to 1982

[See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	Unit	1965	1970	1974	1975	1977	1978	1979	1980	1981	1982
MALE CLOTHING											
Men's suits [1]	Mil. units	21.9	17.7	16.8	13.7	17.3	17.5	17.0	14.6	13.9	11.7
Boys' suits [2]	Mil. units	6.6	4.7	2.9	2.5	3.6	4.7	4.5	3.4	3.9	3.6
Separate trousers (men's)	Mil. units	142.3	173.6	156.6	118.9	128.8	122.7	125.6	125.1	118.2	111.7
Separate coats [3]	Mil. units	16.3	16.1	21.1	13.1	17.8	16.1	18.3	17.9	18.3	16.2
Woven shirts, men's [4]	Mil. doz	28.2	20.8	20.4	17.4	18.2	15.0	14.9	13.1	13.1	11.6
Casual slacks	Mil. units	(NA)	123.6	207.6	153.3	287.5	99.5	87.2	89.0	71.3	61.5
Jeans	Mil. units						191.0	225.5	242.7	214.5	193.8
Work shirts (incl. flannels)	Mil. doz	4.0	4.1	3.4	2.9	4.0	3.8	3.8	3.6	3.3	3.1
FEMALE CLOTHING											
Blouses	Mil. doz	19.0	13.3	17.2	18.3	24.7	25.6	27.5	25.6	26.2	27.6
Dresses	Mil. units	281	251	190	174	193	190	183	176	163	167
Suits [5]	Mil. units	11.9	8.8	7.8	9.0	36.5	32.1	24.9	17.6	13.3	12.1
Slacks	Mil. doz	7.1	9.4	18.6	18.3	18.6	12.4	18.6	18.4	19.8	18.9
Jeans	Mil. doz						4.4	5.5	5.7	8.2	7.6
Skirts	Mil. doz	8.9	6.9	4.4	4.3	5.4	5.8	5.6	5.8	8.2	8.7
Untrimmed coats	Mil. units	19.1	17.0	20.5	18.4	19.0	18.9	18.4	17.0	14.5	12.6
Fur-trimmed coats	Mil. units	6.1	4.7								
Knit outerwear: Sweaters	Mil. doz	7.3	5.3	6.3	6.6	6.6	5.9	4.9	4.1	6.8	7.1
Sport shirts	Mil. doz	3.4	4.0	7.4	7.8	11.7	11.0	10.7	10.0	8.6	9.2

NA Not available. [1] Beginning 1975, excludes leisure suits. [2] Beginning 1970, includes uniform suits and coats. [3] Includes men's and boys' coats. Beginning 1975, excludes leisure coats. [4] Includes knit and woven dress and woven sport. [5] Beginning 1977, includes pant suits.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

No. 1372. Nonrubber Footwear—Summary: 1960 to 1982

[**In millions of pairs, except as indicated.** See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Apparent consumption	**623.4**	**711.3**	**801.7**	**727.9**	**786.3**	**745.7**	**787.7**	**832.9**	**745.1**	**729.8**	**813.0**
Production, shoes and slippers	600.0	626.2	562.3	413.1	422.5	391.1	418.9	398.4	396.9	372.0	342.4
Percent exported	.5	.4	.4	1.1	1.4	1.3	1.7	2.3	1.6	2.6	2.6
Value (bil. dol.)	2.2	2.5	2.9	3.1	3.5	[1] 3.7	3.8	4.3	4.7	4.5	4.6
Shoes, sandals, playshoes (production) [2]	521.0	533.2	460.9	339.1	355.5	332.0	335.6	320.6	323.5	302.2	277.5
Men's, youths', boys'	124.7	143.8	143.5	121.2	128.1	116.8	116.8	103.8	102.5	98.5	81.5
Women's	279.8	280.0	230.2	154.1	155.9	145.0	145.4	145.9	143.1	135.1	131.8
Misses'	40.2	36.5	23.2	13.1	15.6	13.2	13.1	13.7	11.3	9.9	8.9
Children's	32.7	33.5	25.9	18.5	21.0	18.3	16.2	13.9	14.2	12.9	11.4
Infants' and babies'	36.6	32.5	29.0	24.2	24.9	22.7	23.2	22.8	23.7	23.6	22.6
Athletic shoes	7.0	7.0	9.0	7.9	10.1	16.0	20.9	20.5	24.4	17.8	16.7
Imports	26.6	87.6	241.5	319.4	369.8	360.0	375.7	443.6	403.5	369.0	479.5
Percent of total consumption	4.3	12.3	30.1	43.9	47.0	48.3	47.7	53.3	51.6	50.6	59.0

[1] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*. [2] Beginning 1980, includes items not shown separately.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1373. Chemicals and Allied Products—Value of Shipments: 1970 to 1982

[**In millions of dollars.** "N.e.c." means not elsewhere classified]

PRODUCT	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982 [1]
Cyclic crudes and intermediates	2,014	4,141	4,202	5,231	5,514	5,515	7,388	7,732	8,570	7,570
Inorganic pigments	683	1,196	964	1,267	1,339	1,381	1,585	1,601	1,821	1,588
Industrial organic chemicals, n.e.c.	6,470	12,743	14,098	16,794	19,378	21,214	25,083	27,019	31,490	26,665
Industrial inorganic chemicals, n.e.c. [2]	4,109	4,609	4,675	5,751	6,920	7,977	9,294	10,327	10,090	9,662
Plastics materials and resins	4,562	8,444	7,747	10,455	12,181	13,783	16,964	18,014	20,172	17,408
Synthetic rubber (vulcanizable elastomers)	1,114	1,862	1,820	2,204	2,354	2,826	3,228	3,248	3,462	3,207
Organic fibers, noncellulosic	2,468	3,867	4,035	4,414	5,472	5,912	6,719	7,147	8,139	8,655
Biological products	351	684	788	874	1,068	1,216	1,421	1,599	1,857	2,293
Medicinals and botanicals	747	1,467	1,489	1,774	2,206	2,406	2,906	3,158	3,397	3,653
Pharmaceutical preparations	5,264	7,463	8,247	9,217	9,640	10,711	11,539	13,012	14,623	16,727
Soaps and detergents	2,509	3,500	3,963	4,490	5,000	5,551	6,107	7,081	7,914	7,890
Polishes and sanitation goods	1,306	1,980	2,196	2,432	2,669	3,029	3,112	3,359	3,634	4,085
Specialty cleaning and sanitation *products*	755	1,071	1,197	1,316	1,478	1,625	1,880	2,089	2,172	2,310
Toilet preparations [3]	3,770	4,797	5,178	5,883	6,394	6,792	7,510	8,209	9,248	10,462
Hair preparations (incl. shampoos)	1,034	1,129	1,306	1,408	1,475	1,466	1,719	2,003	2,123	2,425
Paints and allied products	3,019	4,578	4,672	5,415	6,123	6,671	7,403	7,682	8,591	8,617
Fertilizers [2]	1,394	5,203	6,588	6,026	6,845	6,931	7,985	9,981	9,897	8,677
Adhesives and sealants [4]	580	1,404	1,464	1,655	1,873	2,075	2,366	2,426	2,745	2,837

[1] Preliminary. [2] Beginning 1974, synthetic ammonia, nitric acid, and ammonium compounds included in fertilizers. [3] Includes products not shown separately. [4] Beginning 1974, excludes gelatin.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982* and *Annual Survey of Manufactures*.

No. 1374. Chemicals—Production, by Kind: 1981 and 1982

[**In thousands of short tons, except as indicated.** Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and by Government-owned privately operated plants. See *Historical Statistics, Colonial Times to 1970,* series P 248, 249, and 251, for sodium hydroxide, ammonia (anhydrous), and sulfuric acid, respectively]

CHEMICAL	1981	1982
Acetylene [1] (mil. cu. ft.)	5,172	3,828
Aluminum sulfate (17% Al_2O_3) [2]	1,294	1,154
Iron free	90	77
Ammonia, synthetic anhydrous	19,045	15,776
Ammonium nitrate, original solution (100% NH_4NO_3)	8,861	7,091
Ammonium sulfate, synthetic (technical) [3]	2,185	1,768
Argon, refined (mil. cu. ft.)	8,034	7,391
Calcium carbide (commercial)	279	193
Calcium phosphate dibasic (100% $CaHPO_4$)	785	786
Carbon, activated [4]	122	96
Carbon dioxide (liquid, gas, and solid) [5]	3,267	3,050
Chlorine, gas [6]	10,763	9,176
Chrome, yellow and orange (C.P.)	28	20
Chrome orange, molybdate (C.P.)	10	7
Hydrochloric acid (100% HCl)	2,574	2,460
Hydrofluoric acid, anhydrous and aqueous (100% HF)	179	136
Hydrogen [7] (bil. cu. ft.)	105	89
Hydrogen peroxide (100% by weight)	111	108
Nitric acid (100% HNO_3)	9,093	7,390
Nitrogen (100%) (bil. cu. ft.)	490	484
Nitrogen solutions (100% N) (bil. cu. ft.)	3,099	2,728
Oxygen (bil. cu. ft.)	431	349
Phosphoric acid (100% P_2O_5)	9,956	8,262
Phosphorus (white and red)	426	361
Potassium hydroxide (88-92% KOH)	238	179
Potassium pyrophosphate (100% $K_4P_2O_7$)	18	18
Sodium bichromate and chromate	153	123
Sodium chlorate (100% $NaClO_3$)	297	251
Sodium hydroxide (caustic soda) (100% NaOH)	10,621	9,139
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) [8]	771	664
Sodium sulfate:		
High purity (more than 99% Na_2SO_4)	445	401
Glauber's salt (100% Na_2SO_4–$10H_2O$)	666	463
Sulfuric acid gross [9] (mil. sh. tons)	41	33
Titanium dioxide [10] (100% TiO_2)	761	657

[1] Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. [2] Commercial; includes quantities produced and consumed by municipalities. [3] Excludes byproduct coke-oven production. [4] Includes data for decolorizing and water purification grades only. [5] Excludes quantities produced and consumed in plants manufacturing soda ash or urea for gas only. [6] Total production, including quantities liquefied for use, storage, or shipment. [7] Excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g. vented, used as fuel, etc. Excludes amounts of hydrogen produced in petroleum refineries for captive use. [8] Excludes amounts produced and consumed in making meta-, ortho-, and sesquisilicates. [9] 100% H_2SO_4. Includes sulfuric acid of oleum grades. [10] Composite and pure.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA28A, MA28B, and MA28C.

No. 1375. Petroleum and Coal Products—Shipments and Inventories: 1977 to 1982

[**In millions of dollars.** See also table 1253]

ITEM AND PRODUCT	1977	1981	1982, prel.
Shipments, total	**93,947**	**216,383**	**201,035**
Petroleum refining [1]	88,590	207,555	192,125
Gasoline	41,840	101,940	95,088
Jet fuel	5,359	14,802	15,412
Kerosene	893	1,704	1,887
Light fuel oil	17,509	37,436	37,303
Heavy oil	6,794	14,228	11,348
Liquefied refinery gases	4,501	11,555	8,685
Lubricating oils and greases	1,719	3,841	2,952
Petroleum refining [1]—Con.			
Unfinished oils [2]	2,888	6,992	8,016
Asphalt	2,217	3,317	2,984
Other petroleum products, and refinery products	4,870	11,738	8,452
Paving mixtures and blocks	1,519	2,278	2,832
Asphalt felts and coatings	1,829	2,764	2,644
Lubricating oils [3]	1,514	2,897	2,725
Other	495	889	709
Inventories, total [4]	**5,656**	**10,563**	(NA)
Petroleum refining	5,195	9,686	(NA)

NA Not available. [1] Petroleum refining by product class. [2] Includes lubricating oils base stock. [3] Includes greases not made in refining. [4] Includes lubricating oils and greases from purchased materials. Inventories as of end of reporting year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977,* MC 77-1-29A; *Annual Survey of Manufactures;* and *1982 Census of Manufactures.*

No. 1376. Rubber—New Supply, Distribution, and Stocks: 1965 to 1982

[**In thousands of long tons.** Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
New supply	**2,581**	**3,042**	**3,547**	**3,285**	**2,826**	**3,332**	**2,557**	**3,772**	**3,816**	**3,114**	**3,127**	**2,621**
Domestic production [1]	2,094	2,398	2,768	2,492	2,077	2,496	2,600	2,830	2,889	2,302	2,293	1,868
Synthetic	1,813	2,197	2,566	2,358	1,958	2,387	2,481	2,705	2,764	2,215	2,206	1,795
Imports [2]	487	644	779	793	749	836	957	943	927	812	834	753
Natural	445	550	643	682	658	714	793	771	769	618	675	609
Exports [2]	**331**	**324**	**316**	**305**	**250**	**303**	**275**	**302**	**437**	**487**	**412**	**352**
Synthetic	282	299	295	284	226	281	252	284	416	465	398	339
Stocks, end of year [1]	**442**	**645**	**629**	**644**	**528**	**642**	**582**	**606**	**370**	**293**	**318**	**260**

[1] Includes reclaimed and synthetic. [2] Natural, synthetic and reclaimed.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA-30A.

No. 1377. Selected Plastics Products—Value of Shipments: 1982 and 1983

[In millions of dollars. Based on survey. Covers companies engaged in the manufacture of plastics products for all types of molding, casting, forming, extruding, calendering, foaming, and laminating. The sample includes 1,670 establishments which report seven-digit product detail. Represents SIC 3079]

PRODUCT CODE	PRODUCT	1982	1983
3079	**Fabricated plastics products n.e.c.[1]**	**37,496**	**42,542**
30792	Plastics film and sheet, unsupported	6,025	6,706
	Packaging	2,367	2,459
30792 13	Food	1,298	1,318
30792 15	Non-food	1,068	1,142
30792 20	Building and construction	332	387
30792 30	Electrical and electronic	265	371
30792 40	Transportation	413	528
30792 50	*Furniture and furnishings*	99	106
30792 60	Photographic, micrographic, and X-ray	278	279
30792 70	Other	1,045	1,210
30792 00	Plastics film and sheet n.s.k.[2]	1,226	1,366
30794	Plastics piping	1,405	1,672
30794 21	*Drain, waste, and vent*	323	390
30794 22	Sewer	160	203
30794 23	Oil and gas	126	155
30794 24	Water	279	342
30794 25	Industrial and mining [3]	164	162
30794 26	Other	162	192
30794 00	Plastics piping n.s.k.[2]	192	228
30795	*Plastics bottles, total*	1,921	1,976
30795 10	Plastics bottles	1,633	1,679
30795 00	Plastics bottles n.s.k.[2]	289	296
30797	Plastics foam products	4,369	4,858
3079J	*Molded plastics products n.e.c.[1]*	11,365	13,187
	Injection molding	5,519	6,419
3079J 51	Transportation	1,124	1,573
3079J 52	Electrical and electronic	673	752
3079J 53	Building and construction	309	403
3079J 54	Furniture and furnishings	174	199
3079J 55	Consumer and institutional	2,163	2,330
3079J 56	Packaging	883	925
3079J 57	Industrial/machinery	193	237
3079J 58	Compression/transfer	707	1,019
3079J 58	Transportation	207	250
3079J 59	Electrical and electronic	127	232
3079J 67	Building and construction	101	165
3079J 68	Consumer and institutional	139	159
3079J 69	Other	134	213
	Blow molding, except bottles	361	361
	Rotational molding	156	148
	Casting	138	189
	Extrusion	140	163
3079K	Miscellaneous plastics products n.e.c.[1]	7,854	8,957

[1] N.e.c.=Not elsewhere classified. Includes other products not shown separately. [2] N.s.k.=Not specified by kind. [3] Includes chemical and food processing.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30D.

No. 1378. Iron and Steel Industry—Summary: 1965 to 1983

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The user should recognize that many of these companies produce and sell products and services other than those related to the steel industry; therefore the financial data reported represents the total operations of the steel companies. Minus sign (–) indicates net loss]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Steel mill products, apparent supply	Mil. tons [1]	100.6	97.1	89.0	108.4	116.6	115.0	95.2	105.4	76.4	83.5
Net shipments	Mil. tons [1]	92.7	90.8	80.0	91.1	97.9	100.3	83.9	88.5	61.6	67.6
Exports	Mil. tons [1]	2.5	7.1	3.0	2.0	2.4	2.8	4.1	2.9	1.8	1.2
Imports	Mil. tons [1]	10.4	13.4	12.0	19.3	21.1	17.5	15.5	19.9	16.7	17.1
Percent of total supply	Percent	10.3	13.8	13.5	17.8	18.1	15.2	16.3	18.9	21.8	20.5
Japan	Percent	(NA)	(NA)	6.6	7.2	5.6	5.5	6.3	5.9	6.8	5.1
EEC [2]	Percent	(NA)	(NA)	4.6	6.3	6.4	4.7	4.1	6.1	7.3	4.9
Canada	Percent	(NA)	(NA)	1.1	1.7	2.0	2.0	2.5	2.7	2.4	2.9
Scrap consumed	Mil. tons [1]	69.8	69.3	62.8	69.3	76.3	77.2	66.6	68.3	43.7	48.0
Scrap produced	Mil. tons [1]	46.7	46.4	40.1	42.4	44.8	45.4	36.9	38.4	23.5	23.6
Scrap inventory	Mil. tons [1]	6.0	6.5	7.6	7.7	6.9	7.4	6.9	7.1	5.5	5.0
Iron and steel products: Exports	Mil. tons [1]	3.1	8.1	4.1	3.2	3.5	3.8	5.1	3.8	2.6	1.8
Imports	Mil. tons [1]	12.0	14.6	13.9	21.7	24.1	20.3	17.9	22.6	18.8	19.3
Revenues	Bil. dol.	18.0	19.3	33.7	39.7	49.5	55.7	53.8	61.5	53.3	49.2
Net income	Bil. dol.	1.1	.5	1.6	(z)	1.2	1.2	1.7	2.6	–3.2	–3.6
Stockholders' equity [3]	Bil. dol.	12.0	13.0	16.2	18.0	17.6	17.7	18.1	19.5	21.4	18.1
Total assets	Bil. dol.	18.8	23.6	30.4	35.4	38.4	40.2	43.7	47.1	49.7	49.0
Net fixed assets	Bil. dol.	10.0	14.1	16.9	19.7	20.3	21.3	22.4	22.9	29.8	29.8
Capital expenditures	Bil. dol.	1.8	1.7	3.2	2.9	2.5	3.3	3.4	3.4	4.2	3.2
Working capital ratio [4]	Ratio	2.4	1.9	2.0	1.8	1.8	1.7	1.7	1.8	1.5	1.4
Inventories	Bil. dol.	3.2	1.1	5.4	5.9	6.5	6.9	6.8	8.0	8.1	8.0
Average employment	1,000	584	531	457	452	449	453	399	391	289	243
Hours worked	Million	1,421	1,220	855	876	892	894	758	753	526	475
Index of output all employees [5]	1977=100	87	88	93	100	108	107	103	112	91	119
Capacity by steelmaking process	Mil. net tons	(NA)	(NA)	153.1	160.0	157.9	155.3	153.7	154.3	154.0	150.6
Producer price indexes: [6]											
Iron and steel, total	1967=100	97.9	115.1	200.9	230.4	253.6	283.5	305.2	333.8	339.0	343.4
Steel mill products	1967=100	97.5	114.2	197.2	229.9	254.5	280.4	302.7	337.6	349.5	352.8
Blast and electric furnace products	1967=100	100.3	114.8	264.7	257.1	260.0	296.7	307.4	316.2	316.6	309.3
Iron ore	1967=100	100.7	100.1	154.3	166.1	194.9	216.7	244.8	268.4	278.7	282.1
Scrap, iron and steel	1967=100	112.6	138.8	245.6	231.2	264.6	341.9	328.1	327.4	232.9	250.1
Foundry and forge shop products	1967=100	94.6	112.1	194.3	230.5	249.5	277.1	310.0	329.8	345.5	351.1

NA Not available. Z Less than $50 million. [1] In millions of short tons. [2] European Economic Community; includes Belgium, Denmark, France, Fed. Rep. of Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom. [3] 1965 and 1970, as of December 31; thereafter, as of January 1. [4] Current assets to current liabilities. [5] Index of output per employee hour. [6] Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1379. Raw Steel, Pig Iron and Ferroalloys Production: 1965 to 1983

[In millions, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
RAW STEEL (net tons)												
World production	503.1	654.2	782.8	712.0	745.6	741.8	790.6	824.5	790.4	779.4	710.7	[2] 731.6
U.S. production	131.5	131.5	145.7	116.6	128.0	125.3	137.0	136.3	111.8	120.8	74.6	84.6
Percent of world	26.2	20.1	18.6	16.4	17.2	16.9	17.3	16.5	14.2	15.5	10.5	11.6
Basic oxygen process	22.9	63.3	81.6	71.8	79.9	77.4	83.5	83.3	67.6	73.2	45.3	52.1
Electric	13.8	20.2	28.7	22.7	24.6	27.9	32.2	33.9	31.2	34.1	23.2	26.6
Open hearth [2]	94.8	48.0	35.5	22.2	23.5	20.0	21.3	19.1	13.0	13.5	6.1	5.9
Carbon	116.7	117.4	126.6	100.4	112.0	108.1	116.9	116.2	94.7	101.5	64.1	73.8
Alloy and stainless	14.8	14.1	19.1	16.3	16.0	17.2	20.1	20.1	17.1	19.3	10.5	10.8
PIG IRON AND FERROALLOYS (sh. ton)												
Total production [3]	**90.9**	**93.5**	**95.9**	**79.9**	**86.9**	**81.3**	**87.7**	**87.0**	**68.7**	**73.6**	**43.3**	**48.7**
Basic	80.4	86.4	91.2	75.9	82.9	78.2	84.5	84.0	67.0	71.2	42.6	48.1
Bessemer [4]	2.9	1.6	1.2	1.2	1.3	.4	.4	.2	-	.1	-	-
Foundry [5]	2.3	2.3	1.5	1.3	1.5	1.6	1.9	1.5	.7	1.2	.2	.1
All other	5.2	3.2	2.0	1.5	1.2	1.1	.9	1.3	1.0	1.1	1.0	.5

- Represent zero. [1] Preliminary. [2] 1965 includes Bessemer. [3] Beginning 1974, includes blast furnace ferroalloys. [4] Includes low phosphorus. [5] Includes ferrosilicon.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1380. Mill and Foundry Products—Shipments: 1970 to 1983

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Ferrous castings (1,000 sh. tons): [1]									
Gray iron castings [2 3 4]	13,945	13,328	16,014	16,124	15,402	11,799	11,801	8,215	7,233
Pressure pipe and fittings	1,691	1,380	1,653	1,690	1,546	1,396	1,249	1,100	1,231
Soil pipe and fittings	953	449	457	512	482	375	410	353	360
All other	11,301	11,499	13,904	13,922	13,374	10,028	10,142	6,762	5,642
Malleable iron castings [2]	852	770	815	790	715	450	422	284	293
For sale	521	484	479	455	376	206	200	119	97
For own use	331	286	336	335	339	244	222	166	196
Standard malleable	628	534	572	542	496	312	291	191	199
Pearlitic malleable	224	236	243	248	219	138	129	94	94
Steel castings [2 5]	1,724	2,026	1,667	1,857	2,039	1,878	1,743	1,017	727
Carbon	1,147	1,758	1,474	1,675	1,342	1,225	1,102	609	418
Alloy	577	268	193	182	697	653	641	408	309
Nonferrous castings (1,000 sh. tons): [2 3]									
Copper and copper-base alloy	440	350	351	371	396	296	290	228	(NA)
Aluminum and aluminum-base alloy	771	728	1,077	1,143	1,151	845	910	803	(NA)
Zinc and zinc-base alloy	398	356	394	380	332	243	235	202	(NA)
Magnesium and magnesium-base alloy	18	19	29	25	14	13	11	9	(NA)
Lead and lead-base alloy die [5]	28	21	17	23	22	23	19	19	(NA)
Copper-based products (mil. lb.)	**5,640**	**4,639**	**5,980**	**6,266**	**6,707**	**5,786**	**5,987**	**4,846**	(NA)
Brass mill products	2,513	2,025	2,668	2,712	2,976	2,467	2,622	2,014	(NA)
Alloyed [6]	1,542	1,324	1,726	1,750	1,869	1,508	1,695	1,247	(NA)
Unalloyed	971	701	942	962	1,107	959	927	767	(NA)
Copper wire mill products [7]	2,329	2,056	2,667	2,911	3,048	2,783	2,847	2,393	(NA)
Brass and bronze foundry products	751	512	583	580	617	489	471	405	(NA)
Copper-base powder mill products	47	46	64	63	66	47	47	34	(NA)
Aluminum mill products (mil. lb.) [8]	**7,358**	**7,427**	**10,442**	**11,346**	**11,241**	**10,485**	**10,329**	**9,116**	**10,624**
Plate, sheet, and foil	4,247	4,664	6,846	7,285	7,205	6,692	6,829	6,060	7,171
Extruded shapes and tubing	1,823	1,643	2,396	2,509	2,426	2,329	2,104	1,961	1,980
Rolled structural shapes, rod, bar, cable [9]	963	924	959	1,280	1,337	1,213	1,150	862	992
Powder, flake and paste	205	99	121	136	126	117	108	80	83
Forgings and impacts	120	97	121	136	147	134	139	[10] 152	[10] 173

NA Not available. [1] Based on a sample of foundries. [2] Beginning 1975, data not strictly comparable with 1970. [3] Includes shipments "for own use." [4] Includes ductile (nodular) iron castings. [5] Excludes lead die castings for battery plates and parts. [6] Excludes webbing scrap (military ammunition cups and discs). [7] Copper content. [8] Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. [9] Includes wire. [10] Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Commission, *Current Industrial Reports*, series ITA-9008, annual.

No. 1381. Steel Products—Net Shipments, by Market Classes: 1965 to 1983

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1965	1970	1975	1978	1979	1980	1981	1982	1983
Total [1]	**92,666**	**90,798**	**79,957**	**97,935**	**100,262**	**83,853**	**88,450**	**61,567**	**67,583**
Automotive	20,123	14,475	15,214	21,253	18,621	12,124	13,154	9,288	12,320
Steel service centers, distributors	14,813	16,025	12,700	17,333	18,246	16,172	17,637	13,067	16,710
Construction, incl. maintenance	11,836	8,913	8,119	9,612	9,978	8,742	8,446	6,283	7,271
Containers, packaging, shipping	7,331	7,775	6,053	6,595	6,772	5,551	5,292	4,470	4,532
Machinery, industrial equipment, tools	5,873	5,169	5,173	5,992	5,996	4,543	4,624	2,584	2,484
Steel for converting and processing	3,932	3,443	3,255	4,612	5,058	4,117	5,058	3,222	4,403
Rail transportation	3,805	3,098	3,152	3,549	4,111	3,155	2,162	1,020	937
Contractors' products	5,018	4,440	3,927	3,490	3,745	3,148	3,230	2,287	2,703
Oil and gas industries	1,936	3,550	4,171	4,140	3,739	5,371	6,238	2,745	1,296
Electrical equipment	2,985	2,694	2,173	2,811	2,819	2,441	2,600	2,003	2,337
Appliances, utensils, and cutlery	2,179	2,160	1,653	2,094	2,140	1,725	1,775	1,337	1,618
Other domestic commercial equipment	2,179	1,778	1,390	1,889	2,073	1,701	1,622	1,247	1,363
Exports (reporting companies only)	2,078	5,985	1,755	1,224	2,007	2,595	1,845	832	544
Agricultural, incl. machinery	1,483	1,126	1,429	1,805	1,971	1,240	1,229	944	699
Independent forgers, n.e.c.	1,250	1,048	1,098	1,192	1,254	933	1,035	579	573
Industrial fasteners [2]	1,234	1,005	675	870	934	590	648	404	440
Shipbuilding and marine equipment	1,051	859	1,413	845	924	1,201	1,101	399	471
Mining, quarrying, and lumbering	392	497	596	508	569	454	493	254	262
Ordnance and other military	289	1,222	405	207	204	177	166	203	244
Aircraft and aerospace	94	56	69	60	60	53	37	30	21

[1] Total includes nonclassified shipments. [2] Bolts, nuts, rivets, and screws.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report.* (Copyright.)

No. 1382. Machine Tool Orders and Shipments: 1960 to 1983

[In millions of dollars. These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

YEAR	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order backlog, end of period	New orders (net)		Shipments		Order backlog, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1960	535	375	542	421	344	210	153	203	160	100
1961	592	401	541	367	394	183	136	210	156	73
1962	572	469	613	450	354	245	193	208	156	109
1963	760	607	638	526	475	302	263	257	215	153
1964	1,039	861	845	679	669	540	487	320	281	374
1965	1,252	1,123	1,023	886	899	442	410	403	363	412
1966	1,630	1,483	1,222	1,098	1,307	446	401	463	437	394
1967	1,135	1,025	1,353	1,211	1,089	287	248	453	407	228
1968	1,079	960	1,358	1,238	810	395	361	369	324	255
1969	1,195	1,033	1,192	1,077	812	533	484	405	369	383
1970	651	507	993	827	471	261	227	450	412	235
1971	609	524	672	554	408	252	223	326	286	162
1972	1,009	877	714	827	702	403	368	304	267	261
1973	1,825	1,550	1,074	935	1,454	787	717	427	388	621
1974	2,017	1,716	1,446	1,241	2,025	566	406	565	522	521
1975	916	781	1,879	1,548	1,062	361	213	573	485	219
1976	1,662	1,477	1,482	1,270	1,242	541	509	578	474	209
1977	2,202	1,981	1,651	1,470	1,794	793	731	630	560	384
1978	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
1979	4,495	3,866	2,930	2,606	4,546	1,126	920	947	860	619
1980	3,885	3,496	3,681	3,206	4,750	870	665	1,011	879	385
1981	2,228	1,946	4,105	3,552	2,873	717	617	991	824	427
1982	1,064	890	2,895	2,599	1,043	433	372	710	600	151
1983	1,152	1,069	1,372	1,200	823	545	489	474	430	222

Source: National Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business Statistics, 1979,* for 1960–1978; thereafter, *Survey of Current Business,* monthly.

No. 1383. Selected Heating Equipment—Summary of Shipments: 1975 to 1982

[Included in SIC major group 34; represents companies with 20 or more employees]

ITEM	QUANTITY (1,000 units)					VALUE (mil. dol.)				
	1975	1979	1980	1981	1982	1975	1979	1980	1981	1982
Domestic heating stoves	1,097	2,608	1,735	1,163	975	80	310	363	279	230
Oil burners, sold separately	554	666	482	472	423	63	101	95	93	83
Gas-fired unit heaters	101	182	119	201	187	22	52	39	63	61
Floor and wall furnaces	361	327	290	251	257	32	46	49	45	49
Solar energy collectors [1]	(NA)	[2] 227	303	255	179	(NA)	[2] 33	47	61	61
Mechanical stokers	(Z)	2	12	3	2	5	11	14	22	17
Duct furnaces	14	24	17	10	(NA)	5	9	9	6	(NA)

NA Not available. Z Less than 500. [1] For related data, see table 987. [2] Excludes concentrating collectors.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series MA-34N.

No. 1384. Machine Tools Industry—Summary: 1972 to 1982

[In millions of dollars, except as noted. Included in SIC 3541 and 3542]

ITEM	METAL CUTTING					METAL FORMING				
	1972	1977	1979	1981	1982	1972	1977	1979	1981	1982
Employment, total (1,000)	52.5	59.4	69.1	74.3	58.7	24.1	23.7	27.0	24.0	19.5
Salaries and wages	573.8	949.0	1,304.1	1,633.0	1,331.8	265.4	360.7	485.6	496.8	439.0
Production workers (1,000)	33.4	37.2	45.7	47.9	34.8	16.6	16.1	18.7	16.0	12.1
Work-hours (million)	68.2	76.3	95.9	98.5	65.6	34.7	32.8	37.5	30.8	23.3
Workers wages	325.9	540.7	786.9	964.1	718.9	163.8	219.4	305.1	294.9	245.6
Value added	901.7	1,866.1	2,833.8	3,739.9	(NA)	417.7	721.9	1,004.0	976.5	(NA)
Supplemental labor cost	81.0	191.4	288.4	355.9	(NA)	38.8	73.5	104.1	113.3	(NA)
Cost of materials	536.3	1,047.7	1,736.9	2,181.3	1,604.7	285.3	444.0	687.0	662.7	574.7
Shipments, value [1]	1,418.1	2,812.7	4,389.0	5,865.3	4,468.2	693.6	1,130.6	1,663.5	1,615.7	1,426.3
New capital expenditures	35.2	80.4	147.6	233.2	151.3	17.5	24.7	58.1	63.0	43.2
Inventories	482.0	877.9	1,242.2	1,485.5	(NA)	242.8	359.6	447.0	479.7	(NA)
Assets, total	840.6	1,034.6	1,333.1	1,626.9	(NA)	386.6	443.3	566.2	636.0	(NA)
Rents, total	12.5	19.8	22.6	30.6	(NA)	6.2	7.6	9.2	9.6	(NA)
Exports, value	189.8	317.7	550.3	978.9	654.1	123.6	207.1	343.3	471.4	371.9
Imports, value	104.6	383.3	984.6	1,497.9	1,271.3	35.1	93.0	236.4	224.3	228.5

NA Not available. [1] See footnote 7, table 1337.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977,* and *1982,* and *Annual Survey of Manufactures.*

No. 1385. Robotics—Summary: 1980 to 1983

[A robot is a computerized device described as "a reprogrammable, multifunctional manipulator designed to move material, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks." Excludes Communist countries. Based on survey of 30 producers, 15 importers, and 80 purchasers of robotics. Producers responding represent 90 percent of the value of U.S. shipment]

COUNTRY	Unit	1980	1981	1982	1983	ITEM	Unit	1980	1981	1982	1983
Robots installed worldwide, total [1]	Number	24,000	35,000	50,000	.....	U.S. domestic shipments, by type [1]	Number	808	1,507	2,107	2,666
Japan	Number	14,246	21,684	31,900	.....	Value	Mil. dol	43.3	90.1	122.5	134.9
United States	**Number**	**3,849**	**4,700**	**7,232**	.....	Assemblers and material handlers	Number	153	259	550	1,025
West Germany	Number	823	2,301	3,500	.....	Spot welders	Number	344	644	434	372
Sweden	Number	1,133	1,700	(NA)	.....	Arc welders	Number	52	57	91	196
France	Number	200	620	993	.....	Loaders/unloaders	Number	111	167	163	188
United Kingdom	Number	371	713	977	.....	Coaters	Number	-	26	156	153
Italy	Number	400	450	600	.....	U.S. exports	Number	340	413	428	631
Belgium	Number	(NA)	44	305	.....	Value	Mil. dol	20.8	23.3	20.3	33.7
Canada	Number	(NA)	214	273	.....	U.S. R&D expenditures	Mil. dol	9.5	15.4	26.5	30.4
Switzerland	Number	(NA)	(NA)	200	.....						

- Represents zero. NA Not available. [1] Includes other not shown separately; excludes exports.

Source: U.S. International Trade Commission, *Competitive Position of U.S. Producers of Robotics in Domestic and World Markets,* December 1983.

No. 1386. Electronic Computing Equipment Industry—Shipments: 1977 and 1982

[Industry 3573 includes establishments primarily engaged in the manufacture of computers, peripheral equipment for computers, and parts. Establishment data were tabulated based on 1972 Standard Industrial Classification (SIC) definitions, and *1977 SIC Supplement.* Establishments in this industry accounted for 94 percent of products considered primary to the industry. Data include both primary and secondary products, as well as all miscellaneous receipts such as receipts for contract work, installation and repair, sales of scrap, and sales of products bought and resold without further processing]

PRODUCT AND PRODUCT CLASS	QUANTITY (1,000)		VALUE (mil. dol.)		PRODUCT AND PRODUCT CLASS	QUANTITY (1,000)		VALUE (mil. dol.)	
	1977	1982	1977	1982		1977	1982	1977	1982
Total (Census)	(X)	(X)	**12,673**	**35,111**	Peripheral—Con.:				
Total (CIR MA35-R)	(X)	(X)	12,644	35,295	Magnetic storage media:				
Electronic computers	(X)	(X)	3,579	11,336	Disks	4,386	55,258	1,978	708
Gen. purpose computers	90	2,171	2,785	10,707	Rigid	4,386	7,765	1,978	298
Digital	90	2,165	2,785	10,615	Flexible (floppy)		47,493		411
Analog	(1)	6	(1)	92	Drum and other	847	9	866	69
Special purpose computers	69	22	795	629	Input/Output equipment	388	539	970	1,963
Peripheral equipment	(X)	(X)	6,026	14,584	Computer terminals:				
Auxiliary storage equip:					General purpose	(NA)	1,512	(NA)	2,801
Direct access units:					Special purp. terminals:				
Magnetic disk drives	(2)	2,356	(2)	3,625	Graphics	52	103	177	328
Other	(2)	161	(2)	409	Other		111		326
Serial access	(3)	215	(3)	918	Communications equip:				
					Carrier	(4)	278	(4)	179
					Modems	56	94	72	140
					Digital multiplexers	23	197	156	391
					Parts	(X)	(X)	2,835	8,527

NA Not available. X Not applicable. [1] Included with special purpose. [2] Included with floppy disc. [3] Included with magnetic storage media for computers. [4] Included with modems over 4,800 baud setting.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982,* MC 82-I-35F-1(P).

No. 1387. Machinery (Except Electrical)—Industry Summary: 1977 and 1982

SIC code	Industry	1977 Employees Number (1,000)	1977 Employees Payroll (mil. dol.)	1977 Value of shipments (mil. dol.)	1977 New capital expenditures (mil. dol.)	1982 Employees Number (1,000)	1982 Employees Payroll (mil. dol.)	1982 Production workers Number (1,000)	1982 Production workers Wages (mil. dol.)	1982 Value of shipments (mil. dol.)	1982 New capital expenditures (mil. dol.)
35	**Total**	**2,083**	**30,558**	**122,188**	**4,402**	**2,177**	**46,644**	**1,347**	**24,904**	**187,601**	**8,481**
351	Engines and turbines [1]	130	2,238	10,426	330	111	2,806	70	1,637	12,917	461
3511	*Turbines and turbine generator sets*	41	709	2,730	44	33	876	19	435	3,676	128
352	Farm and garden machinery [1]	151	2,197	11,857	371	114	2,388	75	1,406	13,222	393
3523	Farm machinery and equipment	131	1,972	10,282	342	96	2,070	63	1,207	10,856	342
3524	Lawn and garden equipment	20	225	1,575	29	18	318	12	199	2,365	51
353	*Constr. and related mach.* [1]	333	5,097	23,682	932	325	7,325	197	3,967	31,950	1,666
3531	Construction machinery	155	2,547	12,629	496	116	2,685	73	1,531	11,731	504
3532	Mining machinery	31	426	1,997	67	24	519	14	274	2,101	63
3533	Oil field machinery	59	868	3,912	258	99	2,348	60	1,299	11,218	908
3535	Conveyors and conveying equip.	33	477	1,898	35	36	744	20	337	2,888	58
354	*Metalworking machinery* [1]	296	4,514	13,283	439	283	6,066	198	3,868	18,119	702
3541	Mach. tools, metal cutting types	60	951	2,819	82	59	1,332	35	719	4,468	151
3544	*Special dies, tools, jigs, and fixtures*	106	1,706	3,901	176	103	2,299	82	1,690	5,380	233
3545	Machine tool accessories	54	763	2,385	77	56	1,069	39	692	3,158	145
355	*Special industry machinery* [1]	165	2,616	9,128	244	183	3,753	107	1,931	13,516	409
3551	Food products machinery	36	522	1,787	47	33	699	21	391	2,346	59
3555	*Printing trades machinery*	26	369	1,351	47	29	613	16	296	2,354	72
356	General industrial machinery [1]	313	4,451	16,542	553	309	6,403	195	3,598	24,099	903
3561	Pumps and pumping equip.	63	901	3,774	124	68	1,483	39	773	6,212	228
3562	Ball and roller bearings	51	753	2,567	133	43	889	33	637	3,083	164
3563	Air and gas compressors	32	466	2,076	56	32	700	17	339	3,170	117
3564	*Blowers and fans*	28	357	1,431	38	29	549	19	307	2,109	57
357	Office and comput. machines [1]	259	3,949	16,842	826	405	9,466	172	2,883	43,563	2,773
3573	Electronic computing equipment	193	3,004	12,924	652	340	8,110	140	2,359	37,403	2,495
3579	Office machines, n.e.c.,[2] and typewriters	42	639	2,720	112	43	940	21	355	4,198	195
358	*Refrig. and service machinery* [1]	192	2,516	12,416	288	172	3,362	117	2,036	16,230	425
3585	Refrigeration and heating equip.	139	1,850	9,638	233	121	2,395	85	1,538	12,176	330
359	Miscellaneous machinery, except electrical	223	2,980	8,012	421	275	5,075	216	3,579	13,983	729

[1] Includes industries not shown separately. [2] N.e.c. means not elsewhere classified.

No. 1388. Electric and Electronic Equipment—Industry Summary: 1977 and 1982

SIC code	Industry	1977 Employees Number (1,000)	1977 Employees Payroll (mil. dol.)	1977 Value of shipments (mil. dol.)	1977 New capital expenditures (mil. dol.)	1982 Employees Number (1,000)	1982 Employees Payroll (mil. dol.)	1982 Production workers Number (1,000)	1982 Production workers Wages (mil. dol.)	1982 Value of shipments (mil. dol.)	1982 New capital expenditures (mil. dol.)
36	**Total**	**1,723**	**22,544**	**88,433**	**2,867**	**1,925**	**38,714**	**1,201**	**19,370**	**148,677**	**7,587**
361	Electric distributing equipment [1]	115	1,431	5,772	141	105	1,994	73	1,178	8,168	220
3612	Transformers	43	530	2,209	67	39	740	29	465	2,952	78
3613	*Switchgear and switchboard apparatus*	72	902	3,563	74	66	1,254	44	713	5,216	142
362	Electrical industrial apparatus [1]	198	2,543	9,591	311	193	3,742	126	2,088	13,947	679
3621	Motors and generators	97	1,178	4,463	163	87	1,616	63	1,027	6,294	260
3622	Industrial controls	55	727	2,511	58	64	1,269	34	548	4,277	178
363	*Household appliances* [1]	162	1,898	10,737	207	129	2,222	98	1,532	12,674	302
3631	Household cooking equipment	25	289	1,707	36	24	403	17	255	2,418	52
3632	Household refrigs. and freezers	36	469	2,577	47	22	438	18	339	2,456	78
3633	Household laundry equipment	19	262	1,793	27	16	334	13	261	2,117	35
3634	Electric housewares and fans	47	459	2,531	48	39	542	30	345	3,158	72
364	*Electric lighting and wiring equip.* [1]	165	1,925	8,357	217	160	2,730	118	1,746	12,104	341
3641	Electric lamps	29	322	1,651	37	23	402	19	314	2,096	61
3643	Current-carrying wiring devices	44	480	1,795	56	45	711	33	427	2,558	90
3644	Noncurrent-carrying wiring devices	26	330	1,422	33	26	510	18	314	2,400	69
365	Radio and TV receiving equip. [1]	98	1,097	6,913	136	64	1,134	46	695	7,776	170
3651	*Radio and TV receiving sets*	75	852	5,732	106	48	853	35	543	6,098	137
366	Communication equipment [1]	459	6,995	22,744	689	608	14,171	316	5,868	46,676	2,334
3661	*Telephone and telegraph apparatus*	124	1,818	7,858	217	137	3,015	86	1,616	13,462	513
3662	Radio and TV comm. equip.	334	5,177	14,886	471	471	11,155	230	4,253	33,214	1,822
367	Electronic components and accessories [1]	374	4,557	15,390	783	515	9,760	324	4,639	34,495	3,002
3671	Electron tubes, all types	37	514	1,582	53	35	755	24	460	2,258	87
3674	*Semicond. and related devices*	114	1,601	5,327	409	165	3,717	80	1,264	13,250	1,711
3678	Electronic connectors	26	304	1,105	40	39	673	27	411	2,519	166
369	Miscellaneous electrical equipment and supplies [1]	152	2,098	8,930	383	150	2,961	100	1,624	13,038	538
3691	Storage batteries	26	359	1,983	122	23	473	18	347	2,431	110
3693	*X-ray, electromedical and electrotherapeutic apparatus*	31	468	1,885	63	49	1,097	23	370	4,557	243
3694	Engine electrical equipment	64	948	3,647	146	45	894	34	593	3,732	105

[1] Includes industries not shown separately.

Source of tables 1387 and 1388: U.S. Bureau of the Census, *Census of Manufactures, 1982.*

No. 1389. Electronic Computing Equipment Industry—Summary: 1973 to 1982

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Employment, total (1,000)	155.3	176.7	162.5	165.7	192.7	232.1	273.9	304.6	320.7	339.6
Salaries and wages	1,873	2,222	2,292	2,451	3,004	3,814	4,777	5,916	6,951	8,110
Production workers (1,000)	74.9	86.6	73.8	71.3	85.5	102.9	122.0	134.7	136.0	140.3
Work-hours (million)	151.4	173.0	145.9	144.0	172.4	202.3	243.8	268.7	263.0	275.8
Workers wages	660	795	731	707	978	1,267	1,546	1,875	2,116	2,359
Value added	4,238	5,205	4,960	6,108	7,624	9,628	12,465	14,717	17,746	(NA)
Supplemental labor cost	237	312	343	399	528	698	904	1,097	1,296	(NA)
Cost of materials	3,481	4,164	3,705	4,380	5,701	7,519	9,985	12,787	14,774	17,637
Value of shipments	7,423	9,122	8,560	10,388	12,924	16,558	21,466	26,594	32,032	37,403
New capital expenditures	207	296	292	373	652	1,101	1,317	1,706	2,125	2,495
Inventories	2,005	2,478	2,264	2,294	3,008	3,989	5,524	6,879	7,863	(NA)
Assets, total	1,857	2,085	2,232	2,353	3,042	4,076	5,196	6,790	8,451	(NA)
Rents, total	60.7	74.6	82.2	95.9	112.4	147.3	204.1	250.6	292.4	(NA)
Ratio of—										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.753	.753	.741	.696	.714	.727	.730	.745	.719	(NA)
Cost of materials to value of shipments	.469	.457	.433	.422	.441	.454	.465	.481	.461	.472
Value added to value of shipments	.571	.571	.548	.588	.590	.581	.581	.553	.554	(NA)
Value added to work-hours	27.99	30.09	32.15	42.42	44.22	47.59	51.13	54.77	67.48	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures.*

No. 1390. Electronic Components and Accessories Industry—Summary: 1973 to 1982

[In millions of dollars, except as indicated. Included in SIC 367. See headnote, table 1389]

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Employment, total (1,000)	394.8	381.7	302.3	323.0	373.5	412.3	467.6	498.6	503.5	514.9
Salaries and wages	3,474	3,686	3,358	3,763	4,557	5,294	6,461	7,780	8,664	9,760
Production workers (1,000)	283.2	266.3	197.6	218.8	257.9	286.7	324.5	336.6	325.5	323.9
Work-hours (million)	555.9	519.8	389.3	438.7	508.7	556.9	635.2	650.1	631.3	624.5
Workers wages	1,971	1,974	1,705	1,964	2,457	2,887	3,484	4,050	4,366	4,639
Value added	6,596	6,963	5,984	7,568	9,260	10,981	14,213	16,902	18,537	(NA)
Supplemental labor cost	481	571	538	669	811	998	1,232	1,497	1,723	(NA)
Cost of materials	4,437	4,635	3,984	5,008	6,390	7,210	9,206	11,434	12,159	13,591
Value of shipments	10,783	11,301	10,089	12,433	15,390	17,912	22,708	27,647	30,421	34,495
New capital expenditures	629	785	536	651	783	1,119	1,591	2,616	2,459	3,002
Inventories	1,965	2,286	2,050	2,320	2,773	3,275	4,376	5,388	5,745	(NA)
Assets, total	4,083	4,469	4,868	5,228	6,026	6,964	8,142	10,615	12,567	(NA)
Rents, total	81	97	108	112	107	115	145	189	247	(NA)
Ratio of—										
Cost of materials to value of shipments	.411	.410	.395	.403	.415	.403	.405	.414	.400	.394
Value added to value of shipments	.612	.616	.593	.609	.602	.613	.627	.611	.609	(NA)
Value added to work-hours	11.87	13.40	15.37	17.25	18.20	19.72	22.38	26.00	29.36	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures.*

No. 1391. Electronic Components—Factory Sales: 1972 to 1983

[In millions of dollars]

PRODUCT	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total sales [1]	6,994	9,906	10,403	9,286	10,884	13,033	16,440	20,644	24,276	25,240	26,807	30,932
Active components	2,725	4,094	4,310	3,651	4,666	5,154	6,301	8,201	10,180	9,814	9,908	11,639
Electron tubes	1,258	1,338	1,196	1,071	1,233	1,296	1,451	1,586	1,778	2,014	1,908	2,039
TV tubes	651	722	613	499	637	633	732	799	959	1,069	936	1,024
Semiconductors	1,467	2,756	3,114	2,580	3,433	3,858	4,850	6,615	8,402	[2] 7,800	[2] 8,000	[2] 9,600
Integrated circuits	718	1,421	1,767	1,458	2,032	2,464	3,261	4,671	6,360	(NA)	(NA)	(NA)
Transistors [3]	359	634	668	522	621	631	670	792	806	(NA)	(NA)	(NA)
Diodes and rectifiers	314	391	438	329	390	394	457	557	613	(NA)	(NA)	(NA)
Other	76	310	241	271	390	369	462	595	623	(NA)	(NA)	(NA)
Passive components	1,184	1,594	1,726	1,438	1,589	1,842	2,137	2,599	2,908	2,891	2,725	2,990
Capacitors	438	612	676	470	608	744	897	1,050	1,299	1,297	1,135	1,247
Resistors	411	537	514	447	449	477	504	647	653	636	583	638
Coils and transformers	335	445	536	489	485	560	654	791	838	819	869	[2] 950
Passive networks	(NA)	(NA)	(NA)	32	47	61	82	111	118	139	138	153
R & D expenditures [4]	455	485	586	501	427	598	622	803	909	956	922	(NA)

NA Not available. [1] Includes components not shown separately. [2] Estimated. [3] Includes dual transistors for 1972 and 1973. [4] Electronic research and development, test and evaluation (receipts or billings not reported as shipments of specific products). Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA36N, annual.

Source: Except as noted, Electronic Industries Association, Washington, DC., *Electronic Market Data Book*, annual (copyright).

No. 1392. Motor Vehicles and Equipment Industry—Summary: 1967 to 1982

[ASM=Annual Survey of Manufactures]

Industry and year	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (mil. dol.)	Production workers: Number (1,000)	Production workers: Hours (mil.)	Production workers: Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Cost of materials (mil. dol.)	Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Gross value of fixed assets (mil. dol.)	End-of-year inventories (mil. dol.)
Motor vehicle and car bodies:												
1967 Census	181	321	2,699	262	524	2,098	7,354	19,965	27,296	263	3,889	1,802
1970 ASM	(NA)	305	3,033	245	477	2,297	7,348	20,531	27,751	306	4,753	2,075
1972 Census	231	339	4,300	284	588	3,405	11,783	31,170	42,906	917	5,422	2,184
1973 ASM	(NA)	369	5,147	309	657	4,097	13,666	36,677	50,228	806	5,490	2,532
1974 ASM	(NA)	320	4,601	262	515	3,568	10,849	33,167	43,869	1,043	6,332	2,399
1975 ASM	(NA)	283	4,340	235	447	3,405	10,441	34,795	45,340	556	6,334	2,640
1976 ASM	(NA)	324	5,877	274	560	4,732	15,644	47,190	62,717	1,047	6,767	3,380
1977 Census	322	344	7,078	290	620	5,725	18,724	58,132	76,518	1,706	(NA)	4,011
1978 ASM	(NA)	359	7,846	304	628	6,358	20,491	64,615	84,901	1,877	(NA)	4,410
1979 ASM	(NA)	349	8,150	292	591	6,497	20,753	64,227	85,147	1,906	(NA)	4,492
1980 ASM	(NA)	274	6,904	221	427	5,400	13,817	52,297	66,257	2,290	(NA)	4,123
1981 ASM	(NA)	272	7,600	223	431	6,008	15,621	58,326	74,273	4,697	13,426	3,579
1982 Census [1]	339	239	6,809	193	362	5,251	(NA)	55,529	70,732	2,308	(NA)	(NA)
Motor vehicle parts, accessories:												
1967 Census	1,674	365	2,891	300	609	2,244	5,712	5,943	11,624	572	5,519	1,469
1970 ASM	(NA)	357	3,357	290	588	2,561	6,432	6,664	13,073	562	6,770	1,822
1972 Census	2,119	401	4,602	332	696	3,620	9,165	9,330	18,334	1,113	7,858	2,050
1973 ASM	(NA)	444	5,491	371	782	4,357	10,641	11,273	21,607	1,034	8,035	2,833
1974 ASM	(NA)	410	5,248	337	676	4,070	10,250	11,686	21,656	1,290	9,296	3,140
1975 ASM	(NA)	362	4,963	294	577	3,799	9,986	11,961	22,030	1,114	9,879	2,685
1976 ASM	(NA)	410	6,454	340	699	5,074	13,709	15,859	29,024	962	10,116	3,668
1977 Census	2,623	451	8,004	373	777	6,285	16,264	19,750	35,751	1,842	(NA)	4,124
1978 ASM	(NA)	476	9,099	391	811	7,145	18,377	22,193	40,283	2,458	(NA)	4,537
1979 ASM	(NA)	459	9,087	373	746	7,009	18,034	22,062	39,807	2,751	(NA)	5,091
1980 ASM	(NA)	369	7,886	287	549	5,869	14,719	17,974	32,881	3,093	(NA)	4,565
1981 ASM	(NA)	359	8,413	285	549	6,333	17,261	19,847	37,081	3,309	19,392	4,460
1982 Census [1]	2,411	322	7,660	252	483	5,665	(NA)	18,611	35,861	1,866	(NA)	(NA)
Truck trailers:												
1967 Census	179	23	147	18	36	105	269	446	714	22	143	130
1970 ASM	(NA)	23	162	17	34	114	283	492	777	20	194	134
1972 Census	255	25	206	20	38	149	449	685	1,118	15	208	191
1973 ASM	(NA)	30	250	24	46	183	506	865	1,370	28	227	260
1974 ASM	(NA)	30	276	24	45	198	569	1,087	1,637	30	255	309
1975 ASM	(NA)	19	187	14	26	121	356	536	922	33	273	234
1976 ASM	(NA)	21	234	16	31	158	488	817	1,297	15	251	239
1977 Census	353	28	322	23	43	230	646	1,285	1,910	36	(NA)	355
1978 ASM	(NA)	32	403	26	50	287	939	1,604	2,498	39	(NA)	448
1979 ASM	(NA)	36	476	28	54	342	1,135	1,993	3,088	37	(NA)	493
1980 ASM	(NA)	28	412	21	39	281	834	1,581	2,436	55	(NA)	441
1981 ASM	(NA)	26	410	20	39	289	655	1,524	2,206	55	462	374
1982 Census [1]	322	19	335	14	27	220	(NA)	1,185	1,808	38	(NA)	(NA)

NA Not available. [1] Preliminary.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, 1972, 1977,* and *1982,* and *Annual Survey of Manufactures.*

No. 1393. Transportation Equipment—Value of Shipments: 1970 to 1982

[In millions of dollars. "N.e.c." means not elsewhere classified]

Type of equipment	1970	1972	1975	1977	1978	1979	1980	1981	1982, prel.
Aircraft [1 2]	8,722	7,538	10,881	12,053	13,610	18,925	23,366	25,109	25,716
Complete aircraft, military	3,833	2,803	4,017	4,580	3,719	4,430	5,892	6,870	10,647
Complete aircraft, personal and utility	3,176	474	1,003	2,034	6,372	10,883	13,053	13,137	9,367
Complete aircraft, except personal and utility		2,787	3,653	2,672					
Aircraft engines and engine parts	4,594	3,070	4,488	4,995	6,028	7,884	10,010	11,556	11,604
Aircraft equipment, n.e.c	5,273	3,437	4,842	5,762	6,456	8,052	9,946	10,509	11,238
Boat building and repairing	644	1,031	1,290	1,822	2,103	2,238	2,129	2,249	2,320
Motor homes built on purchased chassis	(NA)	(NA)	(NA)	1,495	2,005	962	836	1,169	1,039
Motor vehicles and car bodies [1]	26,811	41,046	43,394	72,979	80,551	80,133	61,428	69,457	67,267
Passenger cars and car chassis	19,391	29,246	26,883	47,799	50,815	50,306	42,417	47,586	43,005
Trucks, truck tractors, and truck chassis	5,734	9,586	11,872	21,544	25,830	25,640	15,493	17,515	19,378
Motor vehicle parts and accessories	13,189	19,417	23,023	37,842	42,952	42,906	35,627	40,215	37,674
Motorcycles, bicycles; and parts	395	541	705	847	1,001	1,112	1,160	1,160	993
Railroad equipment	(D)	2,284	3,685	4,002	5,207	7,313	7,173	4,597	2,889
Ship building and repairing [1 3]	2,594	3,201	5,513	6,270	6,688	7,466	8,889	10,690	10,579
Self-propelled ships, military (new)	1,086	1,100	1,768	2,212	2,282	2,512	2,903	3,351	4,095
Self-propelled ships, nonmilitary (new)	514	816	1,806	1,917	1,861	1,890	1,810	1,873	1,876
Travel trailers and campers	(NA)	1,277	1,083	1,478	1,539	1,068	845	951	1,057
Truck and bus bodies	(NA)	(NA)	(NA)	1,861	2,166	2,297	2,074	2,238	2,322
Truck trailers	765	1,079	878	1,807	2,390	2,935	2,263	2,057	1,686

D Withheld to avoid disclosure. NA Not available. [1] Includes data for products not shown separately. [2] See table 1078 for number of civil aircraft shipments. [3] Value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977,* and *1982* and *Annual Survey of Manufactures.*

No. 1394. Home Appliances and Home and Auto Electronics—Shipments and Retail Value: 1979 to 1983

[Compiled from reports of associations and manufacturers. Retail value represents median price of product times the number of units shipped. Except as indicated, covers electric appliances only]

Product	Manufacturers shipments (1,000 units)					Retail value (mil. dol.)				
	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
Major appliances	**35,911**	**32,725**	**33,363**	**29,010**	**34,654**	**12,544**	**12,299**	**13,434**	**12,130**	**14,527**
Air treatment	4,680	4,129	4,378	3,417	2,696	1,512	1,379	1,620	1,333	1,054
Air conditioners	3,749	3,187	3,547	2,747	2,005	1,327	1,186	1,426	1,173	882
Dehumidifiers	684	718	601	492	494	98	111	102	88	90
Air cleaners, electronic	247	224	230	178	196196	87	83	91	72	82
Kitchen appliances [1]	21,935	20,083	20,583	18,054	23,274	8,214	8,091	8,877	7,958	10,105
Refrigerators [2]	5,701	5,173	4,997	4,365	5,255	3,187	3,093	3,227	2,937	3,607
Microwave ovens	2,815	3,585	4,575	4,201	6,006	1,311	1,612	2,275	1,979	2,586
Ranges, electric	3,003	2,544	2,413	2,041	2,839	1,152	1,048	1,026	902	1,299
Dishwashers	3,488	2,721	2,573	2,181	3,054	1,138	959	952	846	1,205
Freezers [3]	1,859	1,715	1,589	1,290	1,166	699	731	724	621	568
Ranges, gas	1,794	1,534	1,501	1,383	1,578	643	583	619	585	695
Disposers	3,316	2,885	3,067	2,693	3,514	295	277	321	293	395
Ranges, smooth top	220	155	134	103	104	139	93	80	64	66
Trash compactors	239	191	171	145	152	60	51	49	43	46
Home laundry	7,999	7,187	7,087	6,403	7,426	2,612	2,500	2,597	2,538	3,034
Compact appliances [4]	1,297	1,326	1,315	1,136	1,259	296	328	340	300	334
Video	**18,846**	**21,151**	**23,773**	**26,308**	**34,190**	**6,130**	**7,208**	**8,256**	**8,653**	**10,881**
TV, color	9,793	10,855	11,262	11,377	13,939	4,618	5,284	5,665	5,641	6,695
Videocassette recorders	478	804	1,330	2,030	4,020	431	700	1,057	1,344	2,303
TV, black and white	6,281	6,149	5,542	5,750	5,761	682	685	616	626	614
Prerecorded videotape/cassettes	2,158	3,151	5,172	6,510	9,606	154	210	380	407	521
TV projection	63	77	121	117	142	183	210	272	277	285
Video cameras	73	115	186	284	410	62	120	186	265	358
Videodisc players	(NA)	(NA)	160	240	312	(NA)	(NA)	80	93	106
Audio/HiFi	**67,776**	**69,067**	**73,923**	**71,939**	**81,274**	**4,887**	**5,195**	**4,933**	**4,586**	**4,620**
Components [5]	9,087	8,919	8,431	8,192	8,599	1,669	1,704	1,561	1,475	1,518
Speakers	3,850	3,735	3,197	2,970	3,237	601	624	454	418	452
Receivers	1,450	1,465	1,440	1,421	1,550	399	415	420	381	390
Turntables	2,433	2,336	2,304	2,239	2,120	316	311	322	314	280
Tape decks	675	716	784	836	880	184	178	173	175	172
Portable tape units	20,298	23,366	28,093	28,050	29,903	1,165	1,447	1,588	1,474	1,441
Radios	28,550	27,012	27,881	26,518	28,188	919	868	863	819	863
Compact systems	4,341	3,945	3,578	2,966	2,748	939	884	693	584	550
Headphones	2,000	2,080	2,241	2,584	2,809	98	180	113	114	125
Cartridges	3,500	3,745	3,699	3,629	3,774	98	112	115	118	122
Autosound	18,630	18,362	19,823	20,741	21,132	1,518	1,487	1,656	1,773	1,851
Blank tape	**244,753**	**260,063**	**273,104**	**290,204**	**325,191**	**687**	**852**	**1,039**	**1,191**	**1,380**
Audiotape/cassettes	234,786	244,747	246,393	251,781	263,501	511	595	629	639	654
Videotape/cassettes	9,967	15,316	26,711	38,423	61,690	176	258	410	552	725
VHS	5,400	9,288	17,350	26,216	45,820	103	167	282	393	550
Beta	4,567	6,028	9,361	12,207	15,870	73	90	128	159	175
Personal electronics [6]	**67,441**	**74,230**	**113,524**	**142,838**	**200,920**	**2,006**	**2,180**	**3,437**	**4,572**	**6,386**
Video game software	(NA)	(NA)	36,000	61,000	68,320	(NA)	(NA)	972	1,525	1,700
Calculators	25,380	26,502	28,260	29,030	30,895	843	841	832	902	925
Video games	2,700	2,806	4,010	6,542	6,280	201	328	519	847	488
Telephones	2,244	2,643	3,155	5,521	19,135	163	223	289	472	1,168
Telephone answering devices	495	579	697	868	2,094	81	93	112	132	264
Personal computers	246	371	750	1,950	4,500	(NA)	(NA)	(NA)	(NA)	(NA)
Electronics furniture	(NA)	(NA)	4,144	4,628	5,168	(NA)	(NA)	487	557	668
Kitchen electrics [5]	**80,261**	**82,501**	**81,549**	**79,772**	**83,912**	**2,144**	**2,349**	**2,443**	**2,432**	**2,595**
Coffee makers	12,104	12,957	12,655	12,690	13,288	298	336	348	357	378
Irons	10,340	11,184	10,882	10,797	11,390	287	317	326	334	359
Toasters	8,916	9,291	9,249	8,934	9,535	252	268	290	293	326
Mixers, food	5,568	5,626	5,330	5,217	5,322	156	160	171	172	179
Food processors	3,000	3,180	3,186	2,689	2,786	183	204	198	172	187
Corn Poppers	5,280	5,543	5,777	5,778	5,814	130	141	156	160	158
Fans	12,930	17,100	19,283	19,751	21,003	504	1,287	1,485	1,437	1,524
Kerosene heaters	(NA)	(NA)	2,633	3,981	2,910	(NA)	(NA)	461	498	309
Portable electric heaters	4,957	4,569	4,551	4,609	4,163	178	196	203	207	190
Air purifiers	(NA)	(NA)	4,300	5,650	5,368	(NA)	(NA)	118	148	140
Humidifiers	850	821	869	895	898	81	86	94	101	104
Vaporizers	1,400	1,624	1,747	1,808	1,853	14	18	20	22	23
Floor care	**9,857**	**9,446**	**9,812**	**9,383**	**10,152**	**1,130**	**1,136**	**1,229**	**1,148**	**1,271**
Vacuum cleaners	8,199	7,727	8,005	7,603	8,230	1,085	1,089	1,177	1,099	1,213
Other	1,658	1,719	1,807	1,780	1,922	45	47	52	49	57
Personal care [5]	**51,084**	**54,290**	**54,682**	**55,063**	**60,217**	**886**	**981**	**1,026**	**1,063**	**1,273**
Hair dryers	18,488	18,865	18,359	18,413	18,857	313	317	309	316	317
Shavers	5,960	6,007	6,179	6,367	6,805	177	190	196	206	213
Scales, bathroom	5,518	5,888	6,100	6,178	6,993	78	97	113	122	160
Cookware and bakeware	106,723	110,229	110,482	106,298	118,257	1,354	1,449	1,538	1,562	1,859
Clocks	26,664	27,291	29,605	30,327	31,406	417	462	530	550	582
Outdoor products	11,098	11,572	12,180	12,638	13,280	253	282	315	349	369
Home security	12,308	15,791	17,079	17,340	18,406	209	303	338	336	363

NA Not available. [1] Excludes duplication; therefore, sum of components will exceed total. [2] 6.5 cu. ft. and over. [3] 10 cu. ft. and over. [4] Refrigerators, freezers, washers, and dryers. [5] Includes others not shown separately. [6] Excludes value of personal computers.

Source: Gralla Publications, Inc., New York, NY, *Merchandising*, 62nd Annual Statistical and Marketing Report.