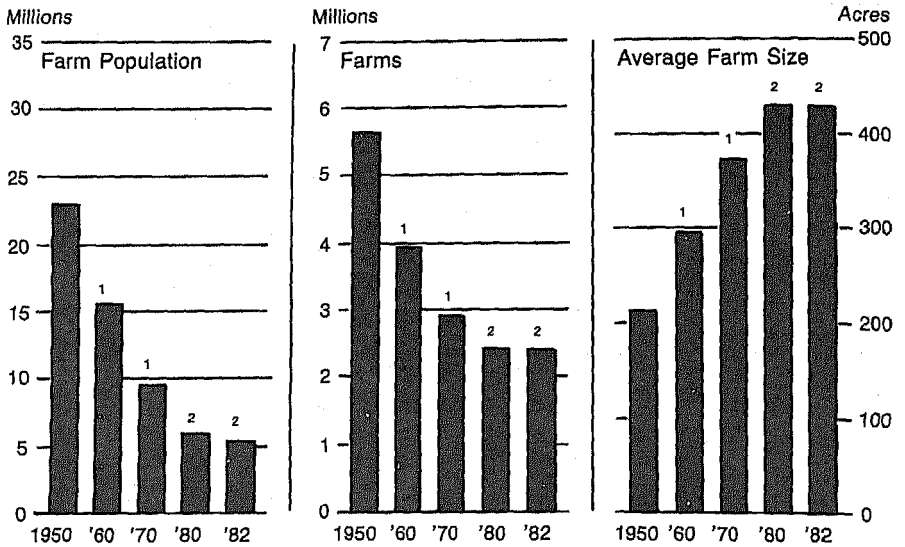
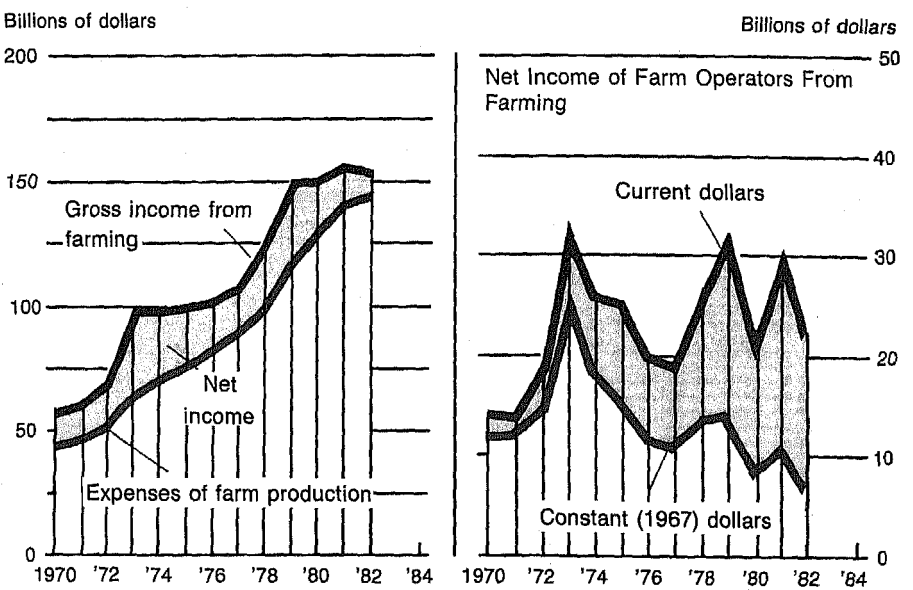
Figure 24.1
Changes in Farming: 1950 to 1982



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

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1134 and 1141.

Figure 24.2
Farm Income and Expenses: 1970 to 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1162.

1984

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 to 1978. The 1978 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 and 1978, a farm was defined to include all land on which agricultural operations were conducted under the day-to-day control of an individual management and from which $1,000 or more of agricultural products were, or potentially could be, 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 1974 and 1978 provide a detailed explanation of the new definition along with measures of the effect of the change for each State and county. The effect of the change in definition must be considered when comparing coverage estimates for all farms in the 1974 and 1978 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: 1974,* vol. II, Part I, General Information.

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 the farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

State totals for 1978 are not directly comparable with totals for 1974 or earlier censuses because of changes in the procedures of collecting data. For details, see 1978 census reports. Coverage estimates for 1978 indicate about 3.4 percent of all farms were not included in census totals. Coverage evaluation studies for the 1974 census indicated that 10.7 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for less than 2 percent of the total value of agricultural products sold and less than 2 percent of the land in farms. For more explanation about data comparability, see Appendixes A and C, *Census of Agriculture: 1978,* volume I reports.

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 1982 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. Volume II of *U.S. Census of Agriculture: 1974* gives a complete history of the enumeration of livestock and analyzes comparability from census to census. Comparability of livestock inventories over time is seriously affected by changes in date of enumeration.

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. 1134. Farm Population, 1930 to 1982 and Farm Employment by Type, 1930 to 1983

[**In thousands, except percent.** For definition of farm population, see text, p 648. 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				1975	4,342	3,025	1,317
1963	13,367	7.1	1974 DEFINITION			1976	4,374	2,997	1,377
1964	12,954	6.8				1977	4,170	2,863	1,307
			1978	6,501	3.0	1978	3,957	2,689	1,268
1965	12,363	6.4	1979	6,241	2.8				
1966	11,595	5.9	1980	6,051	2.7	1979	3,774	2,501	1,273
1967	10,875	5.5	1981	5,790	2.6	1980	3,705	2,402	1,303
1968	10,454	5.3	1982	5,620	2.4	1981	3,330	2,236	1,094
1969	10,307	5.1				1982	4,108	2,567	1,541
						1983	3,773	2,250	1,524

[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, 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 for 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. 56, and earlier reports.

No. 1135. Farm Population, by Characteristics: 1960 to 1982

[**1960**, as of **April**; beginning **1970 April-centered** annual averages. For definition of farm population, see text, p. 648]

Characteristic	Farm population (1,000) 1969 definition 1960	1970	1980	1974 definition 1980	1982 Total	1982 Male	1982 Female	Percent distribution 1969 definition 1960	1970	1974 definition 1980	1982
Total	**15,669**	**9,712**	**7,241**	**6,051**	**5,620**	**2,919**	**2,701**	**100.0**	**100.0**	**100.0**	**100.0**
White	13,092	8,775	6,828	5,714	5,391	2,799	2,592	83.6	90.4	94.4	95.9
Black and other races	2,577	938	413	337	229	119	109	16.4	9.7	5.6	4.1
Under 14 years of age	4,995	2,490	1,391	1,146	1,096	567	529	31.9	25.6	18.9	19.5
14 years of age and over	10,674	7,222	5,851	4,905	4,524	2,352	2,172	68.1	74.4	81.1	80.5
14-19 years	1,868	1,316	926	790	660	356	304	11.9	13.6	13.1	11.7
20-24 years	763	502	502	444	397	216	181	4.9	5.2	7.3	7.1
25-34 years	1,461	770	735	606	650	346	304	9.3	7.9	10.0	11.6
35-44 years	1,803	1,061	862	712	669	337	332	11.5	10.9	11.8	11.9
45-64 years	3,453	2,452	1,892	1,607	1,417	713	704	22.0	25.2	26.6	25.2
65 years and over	1,326	1,122	934	746	732	385	347	8.5	11.6	12.3	13.0
In labor force [1]	6,266	4,293	3,682	3,139	2,924	1,899	1,025	58.7	59.4	64.0	64.6
Employed, agriculture	4,025	2,333	1,722	1,642	1,608	1,270	338	37.7	32.3	33.5	35.5
Percent of total	64.2	54.3	46.8	52.3	55.0	66.9	33.0	(x)	(x)	(x)	(x)
Self-employed	2,405	1,411	1,083	1,034	1,023	891	132	22.5	19.5	21.1	22.6
Wage and salary workers	782	395	344	326	342	281	60	7.3	5.5	6.6	7.6
Unpaid family workers	838	526	295	262	243	98	145	7.9	7.3	5.7	5.4
Employed, nonagriculture	2,064	1,878	1,853	1,415	1,210	568	642	19.3	26.0	28.8	26.7
Self-employed	(NA)	159	210	161	128	70	58	(NA)	2.2	3.3	2.8
Wage and salary workers	(NA)	1,698	1,624	1,239	1,069	494	575	(NA)	23.5	25.3	23.6
Unpaid family workers	(NA)	21	19	16	13	4	9	(NA)	.3	.3	.3
Unemployed	177	82	106	82	105	61	45	1.7	1.1	1.7	2.3
Not in labor force [1]	4,408	2,929	2,169	1,766	1,600	453	1,147	41.3	40.6	36.0	35.4

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. 56 and earlier reports and unpublished data.

No. 1136. Farm Population, by Characteristics of Farm: 1975 and 1980

[In thousands. As of June. Excludes Alaska and Hawaii. Based on 1974 census farm definition; see text, p. 648]

Farm characteristic	1975					1980				
	Total [1]	White	Black	North and West	South	Total [1]	White	Black	North and West	South
Total	**7,217**	**6,888**	**271**	**4,689**	**2,528**	**7,045**	**6,775**	**236**	**4,483**	**2,562**
Farm operator's household	6,537	6,357	147	4,353	2,184	6,588	6,392	164	4,225	2,363
Other dwelling units	680	531	124	337	343	457	383	71	258	199
Full owner	3,817	3,692	97	2,383	1,434	3,528	3,413	97	2,168	1,359
Part owner	2,582	2,454	109	1,786	797	2,822	2,695	113	1,837	985
Tenant or manager	818	743	64	521	297	696	667	26	478	218
Type of farm: [2]										
Cash grain	2,206	2,112	82	1,683	523	1,874	1,819	51	1,472	402
Tobacco	554	464	82	21	533	405	350	49	18	387
Cotton	158	119	34	34	123	92	75	16	15	77
Livestock	2,472	2,418	41	1,511	961	2,775	2,686	82	1,516	1,259
Dairy	1,013	1,009	(3)	894	118	922	918	(3)	805	117
Other	815	766	31	547	268	978	928	37	657	321

[1] Includes other races not shown separately. [2] *Classification* based on product having largest percentage of total sales. [3] Included in other.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data.

No. 1137. Characteristics of Farm and Nonfarm Families: 1970 to 1982

[As of March. 1970 based on 1969 census farm definition, 1980 and 1982 based on 1974 definition; see text, p. 648. Based on Current Population Survey, see text, p. 2 and Appendix III. 1970, 1980 and 1982 data are based on population controls from 1960, 1970 and 1980 census respectively; see text, p. 2]

Characteristic	1970			1980			1982		
	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	61,019	1,598	59,421
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.25	3.27	3.25
With own children under 18 (1,000)	28,665	1,169	27,496	30,517	745	29,772	31,012	717	30,295
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.87	1.95	1.86
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	78.5	77.4	78.5
3 or 4 children	28.5	29.3	28.5	20.4	24.8	20.3	19.5	20.6	19.4
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	2.1	2.1	2.1
Percent distribution:									
Married couple	86.7	90.5	86.5	82.5	92.3	82.2	81.3	92.8	81.0
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.3	2.9	3.3
Female householder, no husband present	10.9	5.3	11.2	14.6	4.4	14.9	15.4	4.3	15.7
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	40.0	41.6	40.0
3-to-5 person families	52.7	46.4	53.1	53.7	47.1	53.9	53.5	52.0	53.5
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	6.5	6.4	6.5

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218, and series P-27, Nos. 54 and 56.

No. 1138. Money Income of Farm and Nonfarm Families, by Race: 1975 to 1981

[Number of families as of March 1982. 1975 data are based on population controls from 1970 census; 1980 and 1981 data are based on population controls from 1980 census. Based on 1974 census farm definition. See headnote, table 762. For definition of median, see Guide to Tabular Presentation]

Race	Median family income (constant 1981 dollars)			Number of families, 1982 (1,000)	Percent families with 1981 income of—				
	1975	1980	1981		Under $10,000	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000 or more
All families	23,173	23,204	22,388	61,019	17.3	13.5	12.6	12.6	44.0
Farm	18,326	17,389	17,082	1,598	27.0	17.8	12.4	13.6	29.2
Nonfarm	23,368	23,345	22,554	59,421	17.0	13.4	12.6	12.5	44.4
White	24,110	24,176	23,517	53,269	14.7	13.2	12.6	13.0	46.5
Farm	18,991	17,744	17,248	1,547	26.7	17.6	12.3	13.6	29.8
Nonfarm	24,318	24,348	23,742	51,722	14.4	13.0	12.6	13.0	47.1
Black	14,834	13,989	13,267	6,413	38.3	16.5	12.4	9.6	23.1
Farm	8,352	(B)	(B)	43	(B)	(B)	(B)	(B)	(B)
Nonfarm	14,991	14,018	13,284	6,370	38.3	16.5	12.4	9.6	23.2

B Base less than 75,000.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 56.

No. 1139. Farm Population, by States: 1950 to 1980

[As of **April 1** except, **1960** and **1970 April-centered** annual averages, 1950-1970, 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	1950	1960	1970	1980
U.S.	**23,048**	**15,635**	**9,712**	**5,618**
Regions:				
Northeast	1,791	1,119	699	357
North Central	7,433	5,836	4,305	2,878
South	11,896	7,160	3,754	1,777
West	1,929	1,520	954	605
N.E	**403**	**232**	**128**	**57**
Maine	122	61	30	14
N.H.	47	22	11	7
Vt	81	56	32	18
Mass	80	50	28	10
R.I.	10	6	4	1
Conn	63	36	23	7
M.A	**1,388**	**887**	**571**	**300**
N.Y	578	387	239	123
N.J	105	71	47	19
Pa	705	428	284	158
E.N.C	**3,703**	**2,821**	**2,053**	**1,322**
Ohio	853	581	415	272
Ind	667	539	416	276
Ill	763	621	473	314
Mich	695	486	305	178
Wis	725	594	445	283
W.N.C	**3,729**	**3,015**	**2,252**	**1,556**
Minn	740	624	482	315
Iowa	783	703	544	391
Mo	863	595	395	282
N. Dak	254	207	154	104
S. Dak	254	217	172	113
Nebr	391	329	253	178
Kans	444	340	252	173

DIVISION AND STATE	1950	1960	1970	1980
S.A	**4,633**	**2,838**	**1,357**	**619**
Del	34	27	15	10
Md	183	132	79	45
Va	732	467	238	113
W.Va	411	155	78	29
N.C.	1,377	950	463	188
S.C.	701	433	144	54
Ga	962	515	228	121
Fla	233	157	113	59
E.S.C	**4,048**	**2,494**	**1,329**	**593**
Ky	974	618	452	245
Tenn	1,016	677	384	176
Ala	960	519	216	88
Miss	1,097	680	277	85
W.S.C	**3,215**	**1,928**	**1,069**	**565**
Ark	802	415	228	108
La	567	313	160	59
Okla	553	294	209	130
Tex	1,292	806	471	269
Mt	**859**	**678**	**446**	**264**
Mont	136	115	90	58
Idaho	165	148	102	69
Wyo	57	47	33	19
Colo	198	143	94	59
N. Mex	132	72	45	20
Ariz	77	74	34	14
Utah	81	65	38	18
Nev	13	13	9	6
Pac	**1,070**	**842**	**508**	**342**
Wash	274	199	133	82
Oreg	228	165	119	78
Calif	568	463	249	176
Alaska	(NA)	3	2	1
Hawaii	(NA)	12	6	5

NA Not available.

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 (PC 80-1-C).

No. 1140. Farms—Number, 1950 to 1978, and Acreage, 1974 and 1978, 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, 1978		
	1950	1959	1969	1974	1978	1974	1978	1974	1978	Number of farms	All land in farms	Cropland harvested
Total	**5,388**	**3,711**	**2,730**	**2,314**	**2,479**	**1,017.0**	**1,029.7**	**303.0**	**320.7**	**100.0**	**100.0**	**100.0**
Under 10 acres	489	244	162	128	215	.5	.8	.2	.3	8.7	.1	.1
10-49 acres	1,480	813	473	380	475	10.8	13.0	4.3	5.1	19.2	1.3	1.6
50-99 acres	1,048	658	460	385	387	28.1	28.1	10.5	10.7	15.6	2.7	3.3
100-179 acres	1,103	773	542	443	428	60.5	58.1	25.1	24.0	17.3	5.6	7.5
180-259 acres	487	414	307	253	242	54.8	52.3	25.1	24.2	9.8	5.1	7.5
260-499 acres	476	472	419	363	354	129.8	127.0	65.9	65.1	14.3	12.3	20.3
500-999 acres	182	200	216	207	215	142.3	147.9	70.1	75.5	8.7	14.4	23.5
1,000-1,999 acres	121	79	91	93	99	125.7	134.0	51.7	58.4	4.0	13.0	18.2
2,000 acres and over		57	60	62	64	464.7	468.5	50.1	57.4	2.6	45.5	17.9

Source: U.S. Bureau of the Census, *Census of Agriculture: 1969*, vol. II; and *1974* and *1978*, vol. I.

No. 1141. Farms—Number and Acreage: 1930 to 1983

[Estimated. Prior to 1959, excludes Alaska and Hawaii. For definition of farms and farmland, see text, pp. 647 and 648. 1930–1954, 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)
1930	6,546	15	987	151
1935	6,814	54	1,055	155
1940	6,350	–93	1,061	167
1945	5,967	–77	1,142	191
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
1961	3,825	–138	1,168	305
1962	3,692	–133	1,159	314
1963	3,572	–120	1,152	322
1964	3,457	–115	1,146	332
1965	3,356	–101	1,140	340
1966	3,257	–99	1,132	348
1967	3,162	–95	1,123	355
1968	3,071	–91	1,115	363
1969	3,000	–71	1,108	369
1970	2,949	–51	1,102	374
1969 DEFINITION—Con.				
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
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	2,430	–6	1,043	429
1980	2,428	–2	1,042	429
1981	2,434	6	1,042	428
1982	2,400	–34	1,039	433
1983, prel	2,370	–30	1,035	437

X Not applicable. [1] Average annual change from preceding year shown. For 1930, change from 1925.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Number of Farms, 1910–1959; Land in Farms 1950–1959, 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*, annual supplements (through 1982); and *Crop Production* (August release).

No. 1142. Farms—Number and Acreage, by States: 1980 and 1983

[1983 data preliminary. Based on 1974 census definition of farms and farmland; see text, p. 647. See also *Historical Statistics, Colonial Times to 1970*, series K 4–7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1980	1983	1980	1983	1980	1983
U.S	**2,428**	**2,370**	**1,042**	**1,035**	**429**	**437**
Ala	58	54	13	12	219	224
Alaska	(z)	(z)	2	2	4,108	3,422
Ariz	7	7	39	39	5,557	5,557
Ark	59	56	17	16	280	289
Calif	80	78	34	34	424	432
Colo	27	25	37	36	1,377	1,411
Conn	4	5	(z)	(z)	117	111
Del	4	3	1	1	186	191
Fla	39	41	13	13	344	312
Ga	59	55	16	15	263	273
Hawaii	4	4	2	2	458	445
Idaho	24	24	15	15	639	619
Ill	107	101	29	29	269	284
Ind	88	87	17	17	191	193
Iowa	119	115	34	34	284	293
Kans	75	75	48	49	644	647
Ky	102	103	15	15	143	141
La	37	37	10	10	273	277
Maine	8	8	2	2	195	193
Md	18	18	3	3	157	150
Mass	6	5	1	1	115	113
Mich	66	65	11	12	173	177
Minn	104	103	30	30	288	295
Miss	55	51	15	14	265	280
Mo	120	117	32	31	263	268
Mont	24	24	62	62	2,609	2,588
Nebr	65	63	48	48	734	756
Nev	3	3	9	9	3,100	3,296
N.H	3	3	1	1	160	169
N.J	9	10	1	1	109	108
N. Mex	14	14	47	47	3,467	3,481
N.Y	48	50	9	10	196	190
N.C	93	85	12	11	126	127
N. Dak	40	38	42	42	1,043	1,112
Ohio	95	92	16	16	172	175
Okla	72	71	35	34	481	479
Oreg	35	37	18	18	517	492
Pa	62	59	9	9	145	147
R.I	1	1	(z)	(z)	87	100
S.C	35	31	6	6	183	190
S. Dak	39	37	45	45	1,169	1,219
Tenn	96	95	14	13	142	141
Tex	186	184	139	138	746	752
Utah	13	13	13	12	969	961
Vt	8	8	2	2	226	227
Va	58	58	10	10	169	169
Wash	38	38	16	16	424	429
W. Va	20	21	4	4	210	203
Wis	93	90	19	18	200	202
Wyo	9	9	35	35	3,846	3,837

Z Less than 500 farms or 500,000 acres.

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

No. 1143. Farms—Number, Acreage, and Value, by Type of Organization: 1969 to 1978

Item	Unit	Total	Individual or family	Partnership	Corporation	Other	Percent distribution: Total	Individual or family	Partnership	Corporation	Other
ALL FARMS, 1978 [1]											
Number of farms	1,000	2,476	2,175	241	51	8	100.0	87.8	9.7	2.1	.3
Land in farms	Mil. acres	974	687	159	120	8	100.0	70.5	16.3	12.3	.8
Value of land and buildings	Mil. dol	641,698	480,508	100,115	57,379	3,696	100.0	74.9	15.6	8.9	.6
Value of farm products sold	Mil. dol	107,869	66,451	17,388	23,353	677	100.0	61.6	16.1	21.6	.6
FARMS WITH SALES OF $2,500 AND OVER											
Number of farms:											
1969	1,000	1,734	1,481	222	22	10	100.0	85.4	12.8	1.3	.6
1974	1,000	1,695	1,518	145	29	4	100.0	89.5	8.6	1.7	.2
1978	1,000	1,865	1,599	210	50	6	100.0	85.7	11.2	2.7	.3
Land in farms:											
1969	Mil. acres	918	665	163	81	8	100.0	72.4	17.8	8.8	.9
1974	Mil. acres	906	678	124	97	6	100.0	74.9	13.7	10.7	.7
1978	Mil. acres	927	644	156	120	7	100.0	69.5	16.8	12.9	.8
Value of farm products sold: [2]											
1969	Mil. dol	44,476	30,179	7,748	6,295	254	100.0	67.8	17.4	14.1	.6
1974	Mil. dol	80,593	54,511	11,232	14,426	424	100.0	67.6	13.9	17.9	.5

[1] Excludes abnormal farms (see footnote 2, table 1147). [2] 1978 total value of farm products sold, $107,164,000,000.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1974* and *1978*, vol. I.

No. 1144. Characteristics of Corporate Farms, by Type: 1978

Item	Unit	All corporations	Family held corporations: Total	1–10 stockholders	11 or more stockholders	Other corporations: Total	1–10 stockholders	11 or more stockholders
Farms	Number	51,270	45,418	44,143	1,275	5,852	4,707	1,145
Percent distribution	Percent	100.0	88.6	86.1	2.5	11.4	9.2	2.2
Land in farms	Mil. acres	120.2	104.0	93.0	11.0	16.1	10.6	5.5
Average per farm	Acres	2,345	2,292	2,107	8,661	2,755	2,248	4,837
Value of—								
Land and buildings [1]	Bil. dol	57.4	47.9	44.6	3.3	9.5	5.6	3.9
Average per farm [1]	$1,000	1,100	1,038	993	2,695	1,571	1,139	3,445
Farm products sold	Bil. dol	23.4	16.3	15.0	1.3	7.0	3.9	3.2
Average per farm	$1,000	456	359	340	1,038	1,203	819	2,784

[1] Based on a sample of farms.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. I.

No. 1145. Farms—Number and Acreage, by Tenure of Operator: 1959 to 1978

[*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 [2]	1,000	2,479	1,451	714	314	100.0	58.6	28.8	12.7
Under 50 acres	1,000	690	532	74	84	100.0	77.1	10.8	12.2
50–179 acres	1,000	814	563	157	94	100.0	69.2	19.3	11.5
180–499 acres	1,000	596	262	247	87	100.0	43.9	41.4	14.7
500–999 acres	1,000	215	57	128	30	100.0	26.5	59.5	14.0
1,000 acres or more	1,000	161	36	107	18	100.0	22.4	66.2	11.4
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	1,030	341	565	124	100.0	33.1	54.9	12.0

[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 1147.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969,* and *1974*, vol. II; and *1978*, vol. I.

No. 1146. Farm Operators—Tenure and Characteristics: 1974 and 1978

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

Tenure and characteristic	All farms 1974 [1]	All farms 1978	Farms with sales of $2,500 and over 1974 [1]	Farms with sales of $2,500 and over 1978
Total operators	**2,314**	**2,479**	**1,695**	**1,865**
White	2,220	2,399	1,632	1,825
Black and other	59	80	31	40
Under 25 years old	52	79	41	63
25-34 years old	240	323	176	247
35-44 years old	400	485	291	354
45-54 years old	577	596	433	456
55-64 years old	589	588	442	458
65 years old and over	421	408	280	286
Average age (years)	51.7	50.1	51.4	49.8
Full owner	1,424	1,451	904	962
Part owner	628	714	566	640
Tenant	262	314	225	263

Characteristic	All farms 1974 [1]	All farms 1978	Farms with sales of $2,500 and over 1974 [1]	Farms with sales of $2,500 and over 1978
Principal occupation:				
Farming	1,427	1,327	1,236	1,190
Other	852	1,152	427	675
Place of residence: [2]				
On farm operated	1,502	1,785	1,125	1,338
On another farm	94	442	69	340
In rural area, not on a farm	67		45	
In urban area	210		146	
Days worked off farm: [2]				
None	830	1,001	691	854
Less than 100 days	197	264	147	222
100-199 days	157	196	102	143
200 days or more	658	905	347	547

[1] Except for tenure, data apply only to individual or family operations and partnerships. [2] Excludes not reported.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1974* and *1978*, vol. I.

No. 1147. Farms—Number, Acreage, and Value of Sales, by Size of Sales: 1978

Economic class of farm (value of farm products sold)	Farms (1,000)	Acreage: Total (mil.)	Acreage: Average per farm	Value of sales: Total (mil. dol.)	Value of sales: Average per farm ($1,000)	Percent distribution: Farms	Percent distribution: Acreage, total	Percent distribution: Value of sales, total
Sales of $2,500 or more	1,865	927	497	107,164	57.5	100.0	100.0	100.0
$2,500-$4,999	332	37	112	1,191	3.6	17.8	4.0	1.1
$5,000-$9,999	331	56	168	2,361	7.1	17.7	6.0	2.2
$10,000-$19,999	310	84	272	4,425	14.3	16.6	9.1	4.1
$20,000-$39,999	306	133	435	8,788	28.7	16.4	14.3	8.2
$40,000-$99,999	364	245	675	23,059	63.5	19.5	26.4	21.5
$100,000 and over	223	372	1,669	67,339	302.0	12.0	40.1	62.8
Sales less than $2,500	612	47	77	705	1.2	100.0	100.0	100.0
Occupation—Farming [1]	135	(NA)	(NA)	(NA)	(NA)	22.1	(NA)	(NA)
Occupation—Other than farming [1]	476	(NA)	(NA)	(NA)	(NA)	77.8	(NA)	(NA)
Abnormal farms [2]	2	56	24,309	245	106.4	100.0	100.0	100.0

NA Not available. [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, *Census of Agriculture: 1978*, vol. I.

No. 1148. Farms—Number, Acreage, and Value of Sales, by Type of Farm: 1978

[Covers farms with sales of $2,500 or more. Farm was 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]

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	1,865	526	30	108	705	167	42	58	26	204
With sales between $2,500 and $39,999	Percent	68.6	65.1	49.8	86.6	78.0	38.1	17.5	67.9	71.1	73.3
With sales of $40,000 or more	Percent	31.4	34.9	50.2	13.4	22.0	61.9	82.5	32.1	28.9	26.7
Land in farms	Mil. acres	926.9	256.6	23.0	12.7	500.2	49.4	5.3	8.1	5.4	66.2
Products sold, value	Mil. dol	107,164	24,481	3,030	2,324	36,793	12,548	8,814	4,528	3,116	11,531
On farms with sales between $2,500 and $39,999	Percent	15.6	21.6	8.6	43.9	16.5	11.7	1.4	11.5	6.7	15.5
On farms with sales of $40,000 or more	Percent	84.4	78.4	91.4	56.1	83.5	88.3	98.6	88.5	93.3	84.5
Percent distribution:											
Number of farms	Percent	100.0	28.2	1.6	5.8	37.8	9.0	2.3	3.1	1.4	10.9
Land in farms	Percent	100.0	27.7	2.5	1.4	54.0	5.3	.6	.9	.6	7.1
Products sold, value	Percent	100.0	22.8	2.8	2.2	34.3	11.7	8.2	4.2	2.9	10.8

[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, *Census of Agriculture: 1978*, vol. I, and unpublished data.

No. 1149. Farms—Number, Acreage, and Value, by States: 1969 to 1978

[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.)		
	1969	1974	1978	1969	1974	1978	1969	1974	1978	1969	1974	1978
U.S.	**2,730**	**2,314**	**2,479**	**1,062.9**	**1,017.0**	**1,029.7**	**389**	**440**	**415**	**206,751**	**342,099**	**650,025**
Regions:												
Northeast	152	128	149	25.7	23.4	24.9	169	183	167	9,025	15,460	25,607
North Central	1,152	1,017	1,028	373.3	362.9	366.1	324	357	356	86,392	150,978	309,210
South	1,161	930	1,015	332.8	305.7	312.6	287	329	308	69,664	110,362	194,616
West	265	239	286	331.1	325.1	326.1	1,249	1,360	1,138	41,668	65,299	120,592
N.E	**29**	**23**	**30**	**5.6**	**4.8**	**5.2**	**195**	**206**	**172**	**1,803**	**2,915**	**4,847**
Maine	8	6	8	1.8	1.5	1.6	221	237	197	283	519	883
N.H	3	2	3	.6	.5	.5	211	210	164	146	286	496
Vt	7	6	7	1.9	1.7	1.8	279	282	241	429	770	1,177
Mass	6	4	3	.7	.6	.7	123	134	115	396	578	995
R.I	1	1	1	.1	.1	.1	98	102	86	50	92	182
Conn	4	3	5	.5	.4	.5	121	129	110	499	671	1,114
M.A	**123**	**104**	**119**	**20.1**	**18.6**	**19.7**	**163**	**178**	**165**	**7,222**	**12,545**	**20,760**
N.Y	52	44	49	10.1	9.4	9.9	196	215	201	2,772	4,800	6,701
N.J	8	7	10	1.0	1.0	1.0	122	130	106	1,131	1,737	2,828
Pa	63	53	60	8.9	8.2	8.7	142	154	146	3,319	6,008	11,232
E.N.C	**513**	**445**	**452**	**94.6**	**90.0**	**92.4**	**184**	**202**	**204**	**36,683**	**61,406**	**133,193**
Ohio	111	92	96	17.1	15.7	16.1	154	170	168	6,819	11,056	23,922
Ind	101	88	88	17.6	16.8	17.0	173	191	193	7,136	12,078	27,163
Ill	124	111	110	29.9	29.1	29.7	242	262	270	14,643	24,628	55,529
Mich	78	64	68	11.9	10.8	11.4	153	169	168	3,883	5,989	11,144
Wis	99	89	90	18.1	17.6	18.1	183	197	201	4,201	7,656	15,435
W.N.C	**639**	**573**	**575**	**278.7**	**272.9**	**273.7**	**436**	**477**	**476**	**49,711**	**89,572**	**176,017**
Minn	111	99	103	28.8	27.6	28.7	260	280	279	6,512	11,855	26,063
Iowa	140	126	126	33.6	33.0	33.6	239	262	266	13,150	23,754	52,395
Mo	137	116	122	32.4	29.8	30.8	237	258	253	7,269	11,811	22,605
N. Dak	46	43	41	43.1	42.4	42.0	930	992	1,021	4,045	8,268	14,689
S. Dak	46	43	40	45.6	46.0	44.5	997	1,074	1,123	3,815	6,656	11,529
Nebr	72	68	66	45.8	46.2	46.3	634	683	702	7,076	13,017	24,572
Kans	86	79	77	49.4	47.9	47.7	574	605	619	7,843	14,211	24,164
S.A	**371**	**296**	**326**	**68.0**	**60.9**	**61.9**	**184**	**206**	**190**	**20,513**	**34,987**	**60,785**
Del	4	3	4	.7	.6	.7	182	185	187	336	612	982
Md	17	15	19	2.8	2.6	2.7	163	174	145	1,793	2,791	5,041
Va	65	53	57	10.7	9.7	10.0	165	184	175	3,047	5,396	9,322
W. Va	23	17	21	4.3	3.5	3.9	188	207	188	589	1,050	2,317
N.C	119	91	89	12.7	11.2	11.4	107	123	127	4,244	6,634	12,073
S.C	40	29	33	7.0	6.2	6.3	177	211	189	1,826	2,867	4,886
Ga	67	55	59	15.8	13.9	13.7	234	253	234	3,701	6,576	10,666
Fla	36	32	44	14.0	13.2	13.3	394	407	302	4,976	9,041	15,496
E.S.C	**392**	**306**	**319**	**60.7**	**53.7**	**53.6**	**155**	**175**	**168**	**14,540**	**22,006**	**41,194**
Ky	125	102	110	16.0	14.4	15.0	128	141	137	4,041	6,158	13,078
Tenn	121	94	97	15.1	13.1	13.2	124	140	136	4,028	6,117	11,342
Ala	72	57	58	13.7	11.9	11.5	188	209	201	2,725	4,310	7,376
Miss	73	54	54	16.0	14.3	13.9	221	267	256	3,746	5,421	9,399
W.S.C	**399**	**328**	**371**	**204.1**	**191.0**	**197.1**	**511**	**582**	**531**	**34,611**	**53,369**	**92,637**
Ark	60	51	59	15.7	14.6	15.6	260	287	265	4,081	6,135	11,931
La	42	33	39	9.8	9.1	9.6	232	275	247	3,145	4,679	9,604
Okla	83	70	79	36.0	33.1	34.3	434	475	433	6,214	9,992	17,674
Tex	214	174	194	142.6	134.2	137.5	668	771	708	21,170	32,563	53,428
Mt	**120**	**112**	**128**	**256.5**	**253.0**	**254.3**	**2,139**	**2,262**	**1,991**	**17,444**	**32,028**	**58,110**
Mont	25	23	24	62.9	62.2	62.3	2,522	2,665	2,545	3,748	6,952	12,264
Idaho	25	24	26	14.4	14.3	14.9	566	603	562	2,545	4,833	8,712
Wyo	9	8	8	35.5	34.3	33.7	4,014	4,274	3,969	1,445	2,751	4,880
Colo	28	26	30	36.7	35.9	35.5	1,313	1,408	1,197	3,471	6,734	11,496
N. Mex	12	11	14	46.8	47.0	48.3	4,020	4,170	3,389	1,960	3,649	6,869
Ariz	6	6	8	38.2	37.9	38.7	6,486	6,539	5,034	2,664	4,197	7,682
Utah	13	12	14	11.3	10.6	10.5	867	871	760	1,040	1,998	4,202
Nev	2	2	3	10.7	10.6	10.5	5,070	5,209	3,641	571	915	2,005
Pac	**145**	**127**	**159**	**74.6**	**72.0**	**71.8**	**514**	**567**	**452**	**24,224**	**33,271**	**62,482**
Wash	34	29	38	17.6	16.7	17.0	516	567	451	3,930	5,828	11,858
Oreg	29	27	35	18.0	18.2	18.4	620	682	532	2,707	4,552	9,255
Calif	78	68	82	35.3	33.4	33.1	454	493	405	16,956	21,793	39,446
Alaska	(z)	(z)	(z)	1.6	1.6	1.3	4,832	5,612	3,359	20	69	140
Hawaii	4	3	4	2.1	2.1	2.0	528	702	461	611	1,029	1,784

Z Less than 500. [1] Value of land and buildings. For 1978, based on reports for a sample of farms.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1974* and *1978*, vol. I.

No. 1150. Farms, Land in Farms and Debt Status, by Operator Characteristics: 1979

[Based on the 1979 Survey of Farm Finance, a sample survey conducted as part of the 1978 Census of Agriculture. Survey was taken in 1980 to cover calendar year 1979]

Operator characteristic	Number of farms (1,000)	Land in farms (millions): Total acres	Land in farms (millions): Acres owned	Land in farms (millions): Acres rented	Percent of operators with debt	Real estate debt as percent of value of land and bldgs.[1]	Non-real estate debt as percent of net cash farm income[2]
Total	**2,354**	**928.4**	**552.9**	**375.5**	**53.8**	**27.1**	**248.4**
Full owner	1,424	279.0	279.0	(x)	45.9	25.0	193.1
Part owner	647	542.4	273.9	268.4	71.8	29.0	254.3
Tenant[3]	283	107.0	(x)	107.0	52.2	(x)	386.4
Cash	108	45.0	(x)	45.0	53.0	(x)	369.5
Share-cash[4]	41	25.5	(x)	25.5	73.4	(x)	1,234.7
Share[5]	102	31.0	(x)	31.0	51.4	(x)	267.3
Individual or family	2,079	657.1	393.8	263.3	52.7	26.8	267.5
Partnership	217	152.7	84.4	68.2	60.0	27.0	229.7
Corporation	52	113.9	71.6	42.4	72.8	29.3	206.3
Other	7	4.7	3.1	1.6	31.0	16.5	136.9
Less than 50 acres	655	13.3	11.4	1.9	42.1	31.9	212.8
50–99 acres	380	27.6	22.9	4.7	44.3	28.7	243.4
100–179 acres	401	54.5	42.2	12.3	49.1	27.3	221.8
180–259 acres	220	47.7	34.1	13.6	54.9	28.6	225.2
260–499 acres	347	124.9	74.6	50.3	66.7	25.4	238.2
500–999 acres	198	136.3	72.5	63.9	76.7	26.9	233.9
1,000–1,999 acres	94	128.0	65.9	62.1	78.9	27.5	370.2
2,000 acres or more	59	396.2	229.4	166.8	79.0	25.8	239.5

X Not applicable. [1] For operators with real estate debt. Only owned land and buildings operated are included. [2] For operators with non-real estate debt. [3] Includes other types, not shown separately. [4] Share-cash tenants pay part of the rent in cash and part in a share of the crops and/or of the livestock and livestock products. [5] Share tenants pay a share of the crops and/or a share of the livestock or livestock products.

Source: U.S. Bureau of the Census, *1978 Census of Agriculture, Volume 5, Special Reports, Part 6, 1979 Farm Finance Survey.*

No. 1151. Irrigation of Agricultural Land—Summary: 1950 to 1978

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

Item	Unit	17 western states and La. 1950	1959	1969	1974	1978	All states 1969	1974	1978
Approximate land area	Mil. acres	1,191	1,189	1,187	1,187	1,187	2,264	2,266	2,266
Farms, total	1,000	1,430	1,044	850	745	798	2,730	2,314	2,479
Irrigated	1,000	289	267	210	197	239	257	237	303
Percent irrigated of total farms	Percent	20.2	25.6	24.7	26.4	29.9	9.4	10.2	12.2
Land in farms, total	Mil. acres	699	715	700	680	685	1,063	1,017	1,030
In irrigated farms	Mil. acres	168	213	218	211	228	238	229	253
Land irrigated, total	Mil. acres	25	31	35	37	44	39	41	51
Percent irrigated of total land in farms	Percent	3.6	4.3	5.0	5.4	6.4	3.7	4.0	4.9

Source: U.S. Bureau of the Census, *Census of Agriculture: 1950, 1959, 1969, 1974,* and *1978.*

No. 1152. Federal Irrigation Projects, by Type of Service: 1960 to 1981

Item	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
All projects: Irrigable acreage	1,000	8,171	9,612	10,198	10,930	11,234	11,409	12,236	11,944	11,941
Irrigated acreage	1,000	6,900	8,012	8,570	9,309	9,132	9,576	10,234	10,093	10,122
Gross crop value	Mil. dol	1,158	1,557	1,882	4,419	4,395	4,993	6,909	7,436	6,744
Full service:[1] Irrigable acreage	1,000	4,326	4,540	4,844	4,925	4,974	5,012	5,076	5,092	5,089
Irrigated acreage	1,000	3,488	3,731	4,037	4,213	4,206	4,222	4,254	4,275	4,290
Gross crop value	Mil. dol	581	675	847	1,858	1,771	2,036	2,348	2,668	2,553
Supplemental and temporary service:[2]										
Irrigable acreage	1,000	3,845	5,072	5,354	6,005	6,260	6,397	7,160	6,862	6,852
Irrigated acreage	1,000	3,412	4,281	4,533	5,096	4,926	5,354	5,980	5,818	5,832
Gross crop value	Mil. dol	577	882	1,035	2,561	2,624	2,957	4,561	4,770	4,191

[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. 1153. Availability of Nonfederal Land for Agriculture: 1977

[**In millions of acres.** Agricultural lands represent lands currently used to produce agricultural commodities. Data are based on National Agricultural Lands Study; for details, contact source]

STATE	Land available for agriculture: Total [1]	Cropland	Rangeland	Forest land	Land not available for agriculture
U.S	**1,359**	**413**	**414**	**376**	**153**
Ala	29	4	-	20	3
Alaska	13	(z)	6	7	1
Ariz	38	1	35	2	2
Ark	28	8	(z)	14	2
Calif	39	10	18	10	15
Colo	40	11	24	3	3
Conn	2	(z)	-	1	1
Del	1	1	-	(z)	(z)
Fla	24	3	3	12	8
Ga	32	6	-	22	4
Hawaii	3	(z)	-	1	1
Idaho	16	6	7	4	1
Ill	31	24	-	3	4
Ind	20	13	-	4	3
Iowa	33	26	-	1	2
Kans	49	29	16	1	2
Ky	22	5	-	11	2
La	22	6	(z)	13	6
Maine	18	1	-	17	2
Md	4	2	-	2	2
Mass	3	(z)	-	3	2
Mich	27	9	-	15	6
Minn	41	23	(z)	14	6
Miss	26	7	(z)	14	3
Mo	39	15	(z)	11	3
Mont	64	15	39	6	2
Nebr	47	21	22	(z)	2
Nev	9	1	7	(z)	2
N.H	4	(z)	-	4	1
N.J	3	1	-	2	2
N. Mex	48	2	42	3	3
N.Y	25	6	-	15	6
N.C	25	6	-	17	4
N. Dak	41	27	11	(z)	2
Ohio	21	12	-	6	5
Okla	40	12	15	5	2
Oreg	27	5	10	10	2
Pa	23	6	-	14	6
R.I	(z)	(z)	-	(z)	(z)
S.C	15	3	-	11	3
S. Dak	44	18	22	(z)	2
Tenn	22	5	-	12	3
Texas	155	30	95	9	10
Utah	13	2	9	1	4
Vt	5	1	-	4	1
Va	20	3	-	13	3
Wash	28	8	6	12	2
W. Va	13	1	-	10	1
Wis	29	12	(z)	13	4
Wyo	31	3	26	1	2

- Represents zero. Z Less than 500,000 acres. [1] Includes pastureland and other land in farms not shown separately.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, *Resources Conservation Act Appraisal*, 1980.

No. 1154. Foreign Ownership of U.S. Agricultural Land: 1982

[**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, 1982*]

CHARACTERISTIC	Acreage owned [1]: Total	Percent	Acreage acquired [2]: Total	Percent
Total [3]	**13,461**	**100.0**	**576**	**100.0**
Type of owner:				
Corporation	11,193	83.1	402	69.8
Partnership	1,238	9.2	95	16.5
Individual	860	6.4	72	12.5
Other	170	1.3	7	1.2
Size of holding:				
Less than 100 acres	115	.9	7	1.2
100-299 acres	259	1.9	22	3.8
300-999 acres	779	5.8	80	13.9
1,000 acres or more	12,308	91.4	467	81.1
Land use:				
Cropland	1,803	13.4	126	21.9
Pasture	3,000	22.3	99	17.2
Forest	*7,449*	*55.3*	*281*	*48.9*
Other agriculture	545	4.0	29	5.0
Other nonagriculture	664	5.0	41	7.0
Country of foreign owner:				
Canada	1,445	10.7	71	12.3
Germany, Fed. Rep	675	5.0	60	10.4
Hong Kong	176	1.3	-	-
Mexico	211	1.6	3	.5
Netherlands Antilles	532	4.0	15	2.6
Switzerland	237	1.8	8	1.4
United Kingdom	381	2.8	7	1.2
Through U.S. interest: [4]				
Canada	2,656	19.7	16	2.8
France	304	2.3	20	3.5
Germany, Fed. Rep	480	3.6	50	8.7
Hong Kong	1,692	12.6	-	-
Luxembourg	236	1.8	-	-
Netherlands Antilles	508	3.8	5	.9
United Kingdom	1,505	11.2	43	7.5

- Represents zero. [1] Landholdings by foreign interests as of Dec. 31. [2] Acquisitions by foreign interests from Jan. 1-Dec. 31, 1982. [3] Includes other items 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, 1982* (Economic Research Service Staff Report AGES 830310), 1983.

No. 1155. Farm Real Estate—Summary: 1960 to 1983

[Through 1975, value data as of Mar. 1; 1976-1981, as of Feb. 1; 1982 and 1983, as of April 1. Excludes Alaska and Hawaii. 1960-1970, value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, p. 647]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Total value	Bil. dol.	136.8	167.0	215.0	358.6	495.0	553.0	653.1	753.6	826.1	816.6	770.3
Land	Bil. dol.	104.5	132.6	175.5	300.5	419.6	471.1	559.7	649.8	713.4	707.2	667.9
Buildings	Bil. dol.	32.3	34.4	39.5	58.1	75.4	81.9	93.4	103.8	112.7	109.4	102.4
Average value per acre [1]	Dollars	117	147	196	340	474	531	628	725	795	789	744
Index	1977=100	24	31	42	75	100	109	125	145	158	157	148
Average value, operating unit	$1,000	34.6	49.9	73.0	142.5	201.9	227.4	269.3	311.0	340.0	340.9	321.6
Farm real estate sales [2]	1,000	(NA)	[3] 113.6	89.0	88.9	74.5	70.8	68.2	68.3	61.4	(NA)	(NA)
Acres sold	Million	(NA)	[3] 26.5	22.0	24.7	20.6	22.5	22.8	21.1	18.1	(NA)	(NA)
Value	Bil. dol.	(NA)	[3] 5.3	5.4	10.6	13.4	12.9	14.1	16.5	15.4	(NA)	(NA)

NA Not available. [1] Land and buildings. [2] Voluntary and estate sales of 10 acres or more. [3] 1966 data.

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

No. 1156. Farm Real Estate—Value of Land and Buildings, by States: 1975 to 1983

[See headnote, table 1155. 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)			
	1975	1980	1982	1983	1975	1980	1982	1983	1975	1980	1982	1983
U.S	**358,640**	**753,608**	**816,556**	**770,314**	**$340**	**$725**	**$789**	**$744**	**75**	**145**	**157**	**148**
Ala	4,878	10,055	11,341	10,775	364	792	922	876	85	149	174	165
Ariz	4,440	[1] 10,260	[1] 11,466	[1] 10,881	111	[1] 264	[1] 294	[1] 279	93	[1] 167	[1] 186	[1] 177
Ark	7,123	15,201	18,106	16,121	419	921	1,104	983	80	163	196	174
Calif	22,398	48,345	64,198	64,873	653	1,426	1,905	1,925	98	166	221	223
Colo	7,050	13,737	15,000	14,714	188	376	419	411	73	147	164	161
Conn. [1]	747	1,173	1,291	1,317	1,524	2,394	2,634	2,687	85	135	149	152
Del	670	1,141	1,095	1,095	971	1,755	1,659	1,659	72	151	143	143
Fla. [2]	9,590	18,112	18,616	18,993	685	1,352	1,432	1,461	89	141	149	152
Ga	7,110	13,460	12,798	12,418	474	868	842	817	93	132	128	124
Idaho	5,221	10,301	11,370	10,570	339	669	753	700	82	134	151	140
Ill	24,619	57,976	55,678	49,565	846	2,013	1,940	1,727	59	135	131	117
Ind	12,312	30,791	29,155	25,364	720	1,833	1,715	1,492	62	150	140	122
Iowa	24,518	61,207	60,908	52,998	719	1,811	1,802	1,568	59	139	139	121
Kans	14,415	27,685	28,372	26,384	296	573	585	544	80	134	136	126
Ky	6,320	13,942	14,442	14,007	427	955	996	966	72	147	154	149
La	5,325	13,007	15,412	15,106	512	1,288	1,511	1,481	88	169	199	195
Maine [1]	540	934	992	1,012	341	578	636	649	85	135	149	152
Md	3,127	6,190	6,644	5,979	1,060	2,251	2,416	2,174	79	166	178	160
Mass. [1]	673	1,055	1,075	1,097	961	1,551	1,707	1,741	85	135	149	152
Mich	6,360	12,331	13,708	12,754	553	1,082	1,192	1,109	72	138	152	141
Minn	12,956	31,832	36,389	32,376	429	1,061	1,197	1,065	65	154	174	155
Miss	5,875	12,050	14,500	13,340	379	825	1,000	920	94	156	189	174
Mo	12,830	27,660	27,381	23,833	396	878	872	759	75	154	153	133
Mont	6,966	14,230	15,773	14,656	112	229	254	236	74	142	157	146
Nebr	13,508	28,623	29,798	26,799	282	600	626	563	70	137	143	129
Nev	764	[1] 2,276	[1] 2,510	[1] 2,385	85	[1] 253	[1] 282	[1] 268	97	[1] 178	[1] 198	[1] 188
N.H. [1]	290	539	587	599	563	989	1,087	1,109	85	135	149	152
N.J	1,870	2,984	3,212	3,148	1,807	2,925	3,118	3,056	90	120	128	125
N. Mex	3,666	[1] 8,870	[1] 10,001	[1] 9,480	78	[1] 190	[1] 211	[1] 200	87	[1] 166	[1] 185	[1] 176
N.Y	5,406	6,656	7,467	7,315	510	708	786	770	88	119	132	129
N.C	7,257	14,221	14,252	14,397	590	1,215	1,284	1,297	88	141	149	150
N. Dak	8,249	16,627	18,181	17,264	195	399	436	414	76	136	149	142
Ohio	11,790	27,347	23,879	21,011	706	1,678	1,474	1,297	63	156	137	121
Okla	10,721	20,899	23,873	22,672	302	604	696	661	82	143	164	156
Oreg	4,650	10,067	11,181	10,614	250	556	611	580	90	132	145	138
Pa	7,046	12,633	11,722	11,255	734	1,404	1,332	1,279	75	140	133	128
R.I. [1]	113	191	224	229	1,507	2,547	2,804	2,860	85	135	149	152
S.C	3,176	5,627	5,600	5,264	467	879	918	863	88	130	136	128
S. Dak	6,583	12,271	12,949	12,060	145	273	291	271	75	141	150	140
Tenn	6,538	12,959	13,025	12,368	467	953	972	923	86	136	138	131
Tex	34,020	62,120	79,718	82,071	243	448	576	593	85	144	185	191
Utah	2,369	[1] 6,680	[1] 7,257	[1] 6,900	188	[1] 530	[1] 590	[1] 561	80	[1] 169	[1] 188	[1] 179
Vt. [1]	818	1,235	1,328	1,355	462	710	781	797	85	135	149	152
Va	5,636	9,691	10,192	10,290	558	1,009	1,040	1,050	83	139	143	144
Wash	5,635	11,671	14,474	14,474	350	725	888	888	72	124	152	152
W. Va	1,290	2,959	3,565	3,565	300	705	829	829	76	150	177	177
Wis	8,376	18,232	19,850	18,852	434	980	1,073	1,019	75	159	174	165
Wyo	2,808	5,357	[1] 6,001	[1] 5,719	80	153	[1] 170	[1] 162	80	126	[1] 140	[1] 133

[1] Dollar values based on average rate of change for region. For New England States, index based on weighted average.
[2] Indexes for 1975-82 based on percentage change in Georgia and Alabama. Dollar value based on the resulting index.

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

No. 1157. Balance Sheet of the Farming Sector: 1960 to 1983

[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]					
	1960	1970	1975	1980	1982	1983, prel.	1960	1970	1975	1980	1982	1983, prel.
Assets	**210.2**	**314.9**	**502.6**	**1,005.5**	**1,082.8**	**1,048.8**	**311.1**	**362.8**	**436.7**	**615.4**	**553.9**	**506.2**
Annual percent change [2]	4.6	4.1	9.8	14.9	3.8	–3.1	2.0	1.5	3.8	7.1	–5.1	–8.6
Physical assets:												
Real estate	137.2	215.8	359.7	755.9	818.9	772.5	203.0	248.6	312.5	462.6	418.9	372.8
Non-real estate:												
Livestock [3]	15.3	23.5	24.5	61.4	53.6	52.9	22.6	27.1	21.3	37.6	27.4	25.5
Machinery, motor vehicles	*22.7*	*32.3*	*54.7*	*96.8*	*108.8*	*111.0*	*33.6*	*37.2*	*47.5*	*59.2*	*55.7*	*53.6*
Crops stored [4]	7.7	10.9	23.3	33.5	36.3	42.1	11.4	12.6	20.2	20.5	18.6	20.3
Household furnishings, equipment	9.2	9.6	11.2	17.2	20.8	22.6	13.6	11.1	9.7	10.5	10.6	10.9
Financial assets:												
Deposits and currency	*9.2*	*11.9*	*14.0*	*15.9*	*16.7*	*17.4*	*13.6*	*13.7*	*12.2*	*9.7*	*8.5*	*8.4*
United States savings bonds	4.7	3.7	3.8	4.0	3.6	3.5	7.0	4.3	3.3	2.4	1.8	1.7
Investments in cooperatives	4.2	7.2	11.4	20.3	24.0	26.8	6.2	8.3	9.9	12.7	12.3	12.9
Claims	**210.2**	**314.9**	**502.6**	**1,005.5**	**1,082.8**	**1,048.8**	**311.1**	**362.8**	**436.7**	**615.4**	**553.9**	**506.2**
Liabilities	*24.8*	*53.0*	*81.6*	*165.8*	*201.7*	*215.3*	*36.7*	*61.1*	*70.9*	*101.5*	*103.2*	*104.4*
Real estate debt	12.1	29.2	44.6	85.4	105.5	109.5	17.9	33.6	38.7	52.3	54.0	52.8
Non-real estate debt to—												
Commodity Credit Corp. [5]	1.2	2.7	.3	5.1	8.0	15.4	1.8	3.1	.3	3.1	4.1	7.4
Other reporting agencies [6]	6.6	15.8	29.1	58.7	69.3	71.8	9.8	18.2	25.3	35.9	35.4	34.7
Non-reporting creditors [7]	4.9	5.3	7.5	16.6	18.8	19.5	7.2	6.1	6.5	10.2	9.6	9.4
Proprietors' equities	185.4	261.9	421.0	839.7	881.1	832.5	274.3	301.7	365.8	513.9	450.7	401.8

[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, 1983* by Council of Economic Advisers. [2] Average change from prior year shown; for 1960, change from 1950. For explanation of annual percent change, see Guide to Tabular Presentation. [3] Beginning 1970, 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. 1158. Gross Farm Product—Summary: 1960 to 1982

[In billions of dollars. For definition of gross product, see text, pp. 445–447. 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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
CURRENT DOLLARS											
Total value of farm output [1]	**38.2**	**44.1**	**54.9**	**99.5**	**101.1**	**106.8**	**124.2**	**149.9**	**149.0**	**165.2**	**158.7**
Farm marketings cash receipts [2]	34.4	39.4	50.4	88.1	94.5	96.0	112.5	131.7	140.5	142.3	144.1
Farm products consumed [3]	1.2	.8	.8	1.3	1.3	1.2	1.2	1.3	1.1	1.1	1.1
Change in farm inventories	.3	1.0	.1	3.5	–2.0	1.1	1.1	5.7	–5.3	7.6	–1.4
Gross rental value of farm housing	2.1	2.5	3.0	5.4	6.0	7.3	8.2	9.8	11.1	12.2	12.9
Less: Intermediate products purchased	18.0	22.2	29.1	50.7	55.2	58.4	65.5	78.4	81.3	84.1	84.6
Equals: Gross farm product	**20.2**	**21.9**	**25.8**	**49.9**	**45.9**	**48.4**	**58.7**	**71.6**	**67.7**	**81.1**	**74.1**
Less: Capital consumption allowances [4]	3.7	4.2	5.9	10.1	11.1	12.6	14.2	16.3	18.9	20.7	21.9
Indirect business taxes	1.3	1.5	2.0	2.5	2.7	2.8	2.8	3.0	3.4	3.3	3.5
Plus: Subsidies to farm operators	.6	2.1	3.3	.7	.5	1.6	2.7	1.2	1.2	1.8	3.3
Equals: Income	**15.8**	**18.4**	**21.2**	**37.0**	**32.7**	**34.6**	**44.4**	**53.4**	**46.6**	**58.9**	**52.0**
CONSTANT (1972) DOLLARS											
Total value of farm output [1]	**51.9**	**56.9**	**63.1**	**65.9**	**66.7**	**69.6**	**71.2**	**74.4**	**71.9**	**76.1**	**75.3**
Farm marketings cash receipts [2]	45.4	50.2	57.6	59.8	63.7	65.4	67.0	67.9	70.6	69.2	72.7
Farm products consumed [3]	1.7	1.1	.8	1.0	1.0	.8	.7	.7	.6	.6	.8
Change in farm inventories	.3	1.2	.4	1.2	–1.9	–.3	–	2.4	–2.3	3.4	–.8
Gross rental value of farm housing	4.1	3.9	3.7	3.2	3.1	3.0	2.8	2.6	2.4	2.1	1.9
Less: Intermediate products purchased	22.7	27.1	32.0	32.3	34.6	36.5	38.6	40.3	36.9	35.5	36.4
Equals: Gross farm product	**29.2**	**29.8**	**31.1**	**33.6**	**32.1**	**33.1**	**32.6**	**34.2**	**35.0**	**40.6**	**39.0**

– 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 1982 and 1983.

No. 1159. Farm Debt Outstanding, by Type of Lender: 1960 to 1983

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

LENDER	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Farm debt, total	**24.8**	**36.8**	**53.0**	**81.6**	**91.5**	**103.9**	**122.7**	**140.8**	**165.8**	**182.0**	**201.7**	**216.3**
Annual percent change [1]	7.1	8.2	7.6	9.0	12.1	13.6	18.1	14.8	17.8	9.8	10.8	7.2
Farm debt/asset ratio (percent)	11.8	15.1	16.8	16.2	15.9	15.6	16.7	16.1	16.5	16.7	18.6	20.6
Real estate debt	12.1	18.9	29.2	44.6	49.6	55.2	63.3	71.4	85.4	95.5	105.5	109.5
Federal land banks	2.3	3.7	6.7	13.4	15.9	18.5	21.4	24.6	29.6	35.9	43.6	47.2
Life insurance companies	2.8	4.3	5.7	6.3	6.7	7.4	8.8	10.5	12.2	12.9	13.1	12.8
Commercial and savings banks	1.5	2.4	3.5	6.0	6.3	6.8	7.8	8.6	8.6	8.7	8.4	8.4
Farmers Home Administration [2]	.7	1.3	2.3	3.2	3.4	3.7	4.0	4.1	7.1	7.7	8.7	9.1
Individuals and others [3]	4.8	7.2	11.0	15.8	17.3	18.9	21.3	23.6	27.9	30.2	31.8	32.0
Non-real estate debt	12.7	17.9	23.8	37.0	41.9	48.7	59.4	69.4	80.4	86.4	96.1	106.8
Commercial and savings banks	4.8	7.0	10.3	18.2	20.2	23.3	25.7	28.3	31.0	31.6	32.9	36.1
Production credit associations [4]	1.4	2.4	4.7	9.9	11.1	12.5	13.8	15.4	18.7	20.4	21.9	20.9
Farmers Home Administration	.4	.6	.8	1.0	1.8	1.9	3.1	5.8	9.0	11.8	14.5	14.8
Individuals and others [5]	4.9	6.3	5.3	7.5	8.6	10.0	12.2	14.3	16.6	17.7	18.8	19.5
Commodity Credit Corporation	1.2	1.5	2.7	.3	.4	1.0	4.5	5.7	5.1	5.0	8.0	15.4

[1] Annual change from prior year shown; for 1960, change from 1955. 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. 1160. Indicators of Financial Stress in Agriculture, 1978 to 1982, and by Farm Regions, 1978 to 1982

[*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	1978	1979	1980	1981	1982					
					Total	Northeast [1]	Corn Belt [2]	South [3]	Plains [4]	West [5]
Average delinquency rate [6] [7]	2.9	2.9	(NA)	(NA)	3.9	3.4	4.0	4.6	3.7	5.0
Farm borrowers who had bank financing discontinued	2.2	3.8	4.5	2.9	3.3	2.8	2.8	6.4	3.3	3.3
Farm borrowers loaned-up to practical limit [7] [8]	29	29	27	(NA)	32	26	27	49	32	41
Farmers in bank lending area who went out of business	(NA)	(NA)	2.1	(NA)	2.2	1.8	1.9	3.9	2.1	2.2
Farmers in bank lending area who went through bankruptcy	(NA)	(NA)	(NA)	(NA)	.75	.37	.73	1.60	.81	.47

NA Not available. [1] Maine, N.H., Vt., Mass., R.I., Conn., N.Y., N.J., Pa., Del., Md., D.C., Mich., Wis., and Minn. [2] Ohio, Ind., Ill., Iowa, and Mo. [3] Va., W.Va., N.C., S.C., Ga., Fla., Ky., Tenn., Ala., Miss., Ark., and La. [4] N. Dak., S. Dak., Nebr., Kans., Okla., and Tex. [5] Mont., Idaho, Wyo., Colo., N. Mex., Ariz., Utah, Nev., Wash., Oreg., Calif., Alaska, and Hawaii. [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, D.C., *Agricultural Banker*, November 1982, and prior issues.

No. 1161. 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, prel.	1983, prel.
Total funds	**39.9**	**67.7**	**72.1**	**72.7**	**85.1**	**104.8**	**95.9**	**95.3**	**86.7**	**85.4**
Sources:										
Net cash farm and nonfarm income	37.6	57.8	60.4	57.3	69.2	78.2	79.7	78.6	78.9	77.1
Net flow of real estate loans	1.1	5.0	5.6	6.2	7.1	15.0	10.1	10.1	4.4	4.5
Net flow of non-real estate loans [1]	1.2	4.9	6.1	7.2	8.8	11.6	6.1	6.6	3.4	3.8
Uses:										
Personal consumption [2]	26.3	42.6	43.6	42.5	47.1	66.3	58.9	59.8	54.3	52.1
Purchased capital	13.6	25.1	28.5	30.2	38.0	38.5	37.0	35.5	32.4	33.4
Purchases of real estate [3]	4.1	8.8	10.8	10.4	11.3	13.2	12.4	11.5	11.3	11.7
Purchases of machinery and motor vehicles	4.9	8.7	10.0	10.6	12.7	14.3	13.0	12.6	11.6	11.7
Capital improvement to real estate assets	2.4	4.7	5.0	5.9	6.9	6.7	6.9	6.3	5.9	6.0
Other capital purchases [4]	2.2	2.9	2.7	3.3	7.1	4.3	4.7	5.1	3.6	4.0

[1] Excludes CCC loans. [2] Includes other cash uses and nonfarm investment. [3] Covers purchases from discontinuing proprietors. [4] 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. 1162. Farm Income and Expenses: 1960 to 1982

[In billions of dollars, except as indicated. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 192, K 259–260, K 264–285, and K 326]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Gross income from farming	**38.9**	**46.5**	**58.8**	**98.3**	**100.6**	**102.9**	**108.7**	**127.2**	**150.4**	**150.1**	**167.1**	**162.2**
Marketings, cash receipts	34.2	39.4	50.5	92.4	88.9	95.4	96.2	112.9	131.8	140.5	142.3	144.5
Crops	15.3	17.5	21.0	51.1	45.8	49.0	48.6	53.7	63.2	72.7	73.1	74.3
Livestock	19.0	21.9	29.5	41.3	43.1	46.3	47.6	59.2	68.6	67.8	69.2	70.2
Government payments	.7	2.5	3.7	.5	.8	.7	1.8	3.0	1.4	1.3	1.9	3.5
Value of home consumption	1.2	.8	.8	1.2	1.1	1.2	1.2	1.2	1.3	1.1	1.1	1.1
Rental value of dwellings	2.1	2.5	3.3	4.9	5.4	6.1	7.3	8.1	9.4	11.0	12.1	12.8
Other farm income	.2	.4	.6	.8	1.0	1.0	1.2	1.2	1.6	1.6	2.0	2.1
Value of change in inventories	.4	1.0	(z)	–1.6	3.4	–1.5	1.1	.8	4.9	–5.3	7.6	–1.9
Expenses of farm production	**27.4**	**33.7**	**44.5**	**71.0**	**75.0**	**82.7**	**88.9**	**99.5**	**118.1**	**128.6**	**137.0**	**140.1**
Operating expenses [1]	16.7	20.1	26.8	44.3	45.6	50.8	54.1	61.6	74.6	80.6	85.1	85.1
Feed purchased	4.6	5.7	8.0	14.5	12.9	14.4	14.0	14.5	17.7	18.5	18.6	17.4
Livestock purchased	2.5	2.9	4.3	5.1	5.0	5.9	7.1	10.2	12.6	10.4	9.0	9.7
Seed purchased [2]	.5	.7	.9	1.9	2.1	2.4	2.5	2.6	3.0	3.4	3.9	4.0
Fertilizer and lime	1.3	2.0	2.4	6.1	6.7	6.5	6.5	6.6	7.5	9.9	10.1	9.0
Repairs and maintenance [3]	4.0	3.9	4.5	6.7	7.8	9.1	10.1	11.2	13.6	15.9	17.2	17.1
Miscellaneous [4]	3.8	4.9	6.6	10.0	11.1	12.5	13.9	16.5	20.2	22.5	26.3	27.9
Depreciation [5]	4.3	5.1	6.9	10.5	12.4	13.8	15.5	17.0	19.2	21.4	23.4	23.6
Taxes on farm property	1.5	1.9	2.6	3.1	3.2	3.5	3.7	3.6	3.9	3.9	4.3	4.5
Interest, farm mortgage debt	.6	1.1	1.8	2.8	3.3	3.8	4.3	5.1	6.2	7.5	9.1	10.5
Wages paid hired farm labor	3.1	3.6	4.3	6.1	6.6	7.5	8.0	8.3	9.5	10.3	10.2	12.1
Net rent to nonoperator landlords	1.1	1.9	2.1	4.1	4.0	3.5	3.4	4.0	4.8	4.8	4.9	4.3
Net income of farm operators from farming	**11.5**	**12.9**	**14.4**	**27.3**	**25.6**	**20.1**	**19.8**	**27.7**	**32.3**	**21.5**	**30.1**	**22.1**
In constant (1967) dollars	13.0	13.7	12.4	18.5	15.9	11.8	10.9	14.2	14.8	8.7	11.0	7.6
Avg. income per farm [6] (dol.)	2,907	3,843	4,877	9,771	10,137	8,062	8,070	11,351	13,272	8,857	12,349	9,188
In constant (1967) dollars	3,277	4,067	4,193	6,615	6,288	4,728	4,446	5,809	6,105	3,589	4,533	3,178

Z Less than $50 million. [1] Excluding hired labor. [2] Includes bulbs, plants, and trees. [3] Includes expenditures for repairs and maintenance of farm buildings, petroleum fuel and oil, other motor-vehicle operations, and repairs on other machinery. [4] Includes interest on non-real estate debt, pesticides, ginning, electricity and telephones (business share), livestock marketing charges, containers, milk hauling, irrigation, grazing, binding materials, tolls for sirup, horses and mules, harness and saddlery, miscellaneous hardware (incl. blacksmithing), veterinary services and medicines, net insurance premiums (crop, fire, wind, and hail), machine hire and custom work, miscellaneous livestock and poultry, small hand tools, dairy supplies, nursery and greenhouse, apiary, and other miscellaneous. [5] Includes other consumption of farm capital. [6] 1960–1974 based on 1969 census farm definition; beginning 1975, based on 1974 census definition. See text, p. 647.

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

No. 1163. Personal Income of the Farm Population: 1965 to 1982

[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. 647. See *Historical Statistics, Colonial Times to 1970*, series K 256–258 and K 261–263, for data prior to revisions]

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Net income of farm operators [1]	**12.9**	**14.4**	**34.4**	**27.3**	**25.6**	**20.1**	**19.8**	**27.7**	**32.3**	**21.5**	**30.1**	**22.1**
Less: Net income of nonresident operators	2.0	2.3	6.2	5.1	4.9	3.9	3.9	5.6	6.5	4.4	6.1	4.5
Plus: Wages, salaries, and other labor income of workers [2]	1.3	1.3	1.4	1.6	1.7	1.6	2.1	2.2	2.2	1.9	1.9	2.2
Less: Contributions of operators and workers to social insurance [2]	.2	.4	.7	.7	.7	.7	.7	.8	1.0	1.0	1.2	1.3
Equals: Personal income of farm population from farm sources	12.0	12.9	28.9	23.1	21.6	17.1	17.2	23.5	27.0	18.1	24.6	18.5
Plus: Personal income of farm population from nonfarm sources	10.6	14.5	19.7	22.0	18.9	19.4	20.5	24.5	26.6	28.6	29.9	30.4
Equals: Personal income of farm population	22.6	27.5	48.6	45.1	40.5	36.5	37.8	47.5	53.1	46.7	54.5	48.9
Per capita personal income:												
From all sources (dol.)	1,828	2,828	5,136	4,873	5,014	4,852	6,095	7,312	8,512	7,714	9,419	8,704
From farm sources (dol.)	968	1,333	3,054	2,495	2,678	2,273	2,781	3,551	4,250	2,985	4,253	3,297
From nonfarm sources (dol.)	860	1,495	2,082	2,378	2,336	2,579	3,314	3,761	4,262	4,729	5,166	5,407
Per capita disposable personal income:												
Of farm population (dol.)	1,606	2,421	4,401	4,162	4,342	4,168	5,199	6,222	7,201	6,511	7,912	7,355
Of nonfarm population (dol.)	2,505	3,439	4,311	4,691	5,103	5,525	5,989	6,634	7,336	8,073	8,934	9,430
Percent farm of nonfarm	65.6	70.4	102.1	88.7	85.1	75.4	86.8	93.8	98.2	80.7	88.6	78.0

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

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

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No. 1164. Government Payments to Farms by Program, and by Value of Farm Sales: 1970 to 1982

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

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982
Total [1]	**Mil. dol**	**3,717**	**807**	**734**	**1,819**	**3,030**	**1,375**	**1,286**	**1,932**	**3,492**
Feed grain	Mil. dol	1,504	279	196	187	1,172	494	382	243	713
Wheat	Mil. dol	871	77	135	887	963	114	211	625	652
Cotton	Mil. dol	919	138	108	89	127	185	172	222	800
Conservation	Mil. dol	208	181	195	197	194	179	198	186	165
Sugar Act	Mil. dol	88	61	-	65	-	-	-	-	-
Wool	Mil. dol	49	-	-	-	-	-	-	35	46
Payments to farms with sales of: [2]										
Less than $2,500	Mil. dol	355	37	26	55	63	22	18	27	46
$2,500-$4,999	Mil. dol	227	36	27	53	65	27	25	37	65
$5,000-$9,999	Mil. dol	400	54	43	96	136	57	52	77	138
$10,000-$19,999	Mil. dol	671	82	60	126	159	64	56	83	147
$20,000-$39,999	Mil. dol	826	140	117	279	397	157	138	205	360
$40,000-$99,999	Mil. dol	708	230	231	618	1,059	466	431	646	1,161
$100,000-$199,999	Mil. dol	266	105	113	305	601	298	288	436	798
$200,000-$499,999	Mil. dol	140	64	69	184	377	195	191	289	533
$500,000 and over	Mil. dol	124	57	48	103	173	89	87	132	244
Avg. payment per farm [2]	**Dollar**	**1,260**	**320**	**294**	**741**	**1,244**	**566**	**530**	**794**	**1,455**
Farms with sales of—										
Less than $2,500	Dollar	251	46	34	74	96	39	35	52	93
$2,500-$4,999	Dollar	631	123	86	172	205	84	75	111	199
$5,000-$9,999	Dollar	1,074	174	137	311	430	175	156	232	416
$10,000-$19,999	Dollar	1,855	260	195	415	539	219	196	291	522
$20,000-$39,999	Dollar	2,734	445	380	923	1,360	553	494	735	1,317
$40,000-$99,999	Dollar	4,305	729	712	1,914	3,053	1,243	1,109	1,650	2,958
$100,000-$199,999	Dollar	7,331	1,091	1,051	2,800	4,439	1,806	1,612	2,399	4,300
$200,000-$499,999	Dollar	10,555	1,665	1,553	4,043	6,299	2,564	2,288	3,404	6,102
$500,000 and over	Dollar	29,795	5,193	3,807	7,944	10,051	4,091	3,651	5,432	9,737

- Represents zero. [1] Data by type of program include cropland adjustment and miscellaneous programs, not shown separately. [2] 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. 1165. Farm Income—Cash Receipts From Farm Marketings: 1970 to 1982

[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	TOTAL MARKET SALES (mil. dol.)								PERCENT			
	1970	1975	1977	1978	1979	1980	1981	1982	1970	1975	1980	1982
Farm marketings	**50,509**	**88,902**	**96,235**	**112,870**	**131,768**	**140,473**	**142,265**	**144,525**	**100.0**	**100.0**	**100.0**	**100.0**
All crops	20,977	45,813	48,600	53,708	63,174	72,677	73,063	74,326	41.5	51.5	51.7	51.4
Cotton lint, seed	1,254	2,311	3,470	3,465	4,305	4,476	4,515	4,884	2.5	2.6	3.2	3.4
Tobacco	1,388	2,155	2,331	2,604	2,271	2,674	3,250	3,342	2.7	2.4	1.9	2.3
Food grains	2,542	8,195	6,055	5,839	9,047	10,386	11,616	11,516	5.0	9.2	7.4	8.0
Wheat	2,067	7,026	5,077	4,689	7,823	8,837	9,847	9,777	4.1	7.9	6.3	6.8
Oilbearing crops	3,591	7,480	9,722	13,023	14,326	15,497	13,868	13,826	7.1	8.4	11.0	9.6
Soybeans	3,164	6,637	8,669	11,822	12,964	14,246	12,256	12,434	6.3	7.5	10.2	8.6
Feed crops	5,109	12,183	11,906	11,427	14,042	16,318	17,147	18,226	10.1	13.7	13.0	12.6
Corn	3,326	8,530	8,629	8,246	10,283	13,966	12,790	13,428	6.6	9.6	9.9	9.3
Vegetables [1]	2,814	5,346	5,609	5,941	6,454	7,295	8,451	8,088	5.6	6.0	5.2	5.5
Fruits, tree nuts [1]	2,071	3,563	4,603	5,764	6,436	6,493	6,609	6,644	4.1	4.0	4.6	4.6
Other [2]	2,208	4,579	4,904	5,645	6,293	7,538	7,607	7,801	4.4	5.2	5.4	5.4
All livestock and products	29,532	43,089	47,635	59,162	68,594	67,795	69,201	70,199	58.5	48.5	48.3	48.6
Hogs	4,478	7,916	7,281	8,754	9,027	8,921	9,785	10,623	8.9	8.9	6.4	6.9
Cattle and calves	13,633	17,520	20,225	28,248	34,400	31,464	29,579	29,693	27.0	19.7	22.4	21.0
Sheep and lambs	334	386	386	453	474	470	416	447	.7	.4	.3	.3
Wool	57	54	77	76	91	93	104	72	.1	.1	.1	.1
Dairy products	6,527	9,923	11,752	12,724	14,650	16,587	18,128	18,354	12.9	11.2	11.8	12.8
Eggs	2,109	2,814	2,919	2,939	3,328	3,247	3,649	3,436	4.1	3.2	2.3	2.3
Broilers and farm *chickens*	1,564	3,063	3,235	3,845	4,189	4,433	4,779	4,600	3.1	3.4	3.2	3.2
Turkeys, other poultry [3]	494	809	1,059	1,326	1,408	1,478	1,523	1,506	1.0	1.1	1.1	1.1
Other [4]	336	604	702	797	1,027	1,102	1,239	1,268	.7	.5	.7	.9

[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. 1166. Farm Income—Farm Marketings, 1975 to 1982, and Principal Commodities in Order of Marketing Receipts, 1982, by States

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1162]

STATE	Farm marketings			1982, prel.				State rank for total farm marketings and principal commodities in order of marketing receipts, 1982
	1975	1980	1981	Farm marketings: Total	Farm marketings: Crops	Farm marketings: Livestock and products	Government payments	
U.S.	**88,902**	**140,473**	**142,265**	**144,525**	**74,326**	**70,199**	**3,491.9**	**Cattle, dairy products, corn, soybeans**
N.E	**1,117**	**1,535**	**1,617**	**1,603**	**564**	**1,039**	**5.7**	
Maine	367	438	467	408	159	249	2.2	41—Dairy prod., potatoes, eggs, cattle.
N.H	74	95	98	104	29	75	.7	48—Dairy prod., eggs, cattle, greenhouse.
Vt	231	378	390	408	34	374	1.6	42—Dairy prod., cattle, forest prod., apples.
Mass	204	306	330	341	206	135	.6	44—Greenhouse, dairy prod., cranberries, eggs.
R.I	27	33	34	33	19	14	.1	49—Greenhouse, dairy prod., eggs, potatoes.
Conn	214	285	298	309	117	192	.5	45—Dairy prod., eggs, greenhouse, tobacco.
M.A	**3,488**	**5,565**	**6,080**	**6,095**	**1,936**	**4,159**	**22.3**	
N.Y	1,582	2,488	2,672	2,588	721	1,867	13.8	23—Dairy prod., cattle, greenhouse, corn.
N.J	326	438	500	516	390	126	1.1	39—Greenhouse, dairy prod., tomatoes, soybeans.
Pa	1,600	2,639	2,908	2,991	825	2,166	7.4	19—Dairy prod., cattle, eggs, mushrooms.
E.N.C	**15,037**	**24,368**	**23,147**	**23,804**	**12,839**	**10,966**	**305.0**	
Ohio	2,551	4,215	3,363	3,674	2,123	1,551	42.4	12—Soybeans, corn, dairy prod., hogs.
Ind	2,945	4,716	4,239	4,586	2,823	1,763	57.5	9—Corn, soybeans, hogs, cattle.
Ill	5,213	7,973	7,512	7,434	5,062	2,373	118.2	4—Corn, soybeans, hogs, cattle.
Mich	1,657	2,749	2,788	2,863	1,688	1,175	40.4	21—Dairy prod., cattle, corn, soybeans.
Wis	2,671	4,715	5,245	5,247	1,143	4,104	46.5	8—Dairy prod., cattle, corn, hogs.
W.N.C	**24,211**	**38,755**	**38,545**	**38,882**	**17,478**	**21,406**	**1,329.3**	
Minn	3,865	6,597	6,508	6,672	3,132	3,541	182.9	6—Dairy prod., cattle, corn, soybeans.
Iowa	6,525	10,488	10,567	10,343	4,330	6,013	215.9	2—Hogs, cattle, corn, soybeans.
Mo	2,657	4,150	4,179	3,674	1,618	2,056	79.8	13—Cattle, soybeans, hogs, dairy prod.
N. Dak	1,940	2,609	2,561	2,710	2,106	605	200.2	22—Wheat, cattle, sunflowers, barley.
S. Dak	1,993	2,722	2,718	2,587	952	1,636	92.7	24—Cattle, wheat, hogs, dairy prod.
Nebr	3,860	6,465	6,440	7,087	2,855	4,231	277.5	5—Cattle, corn, hogs, soybeans.
Kans	3,371	5,724	5,572	5,809	2,485	3,324	280.3	7—Cattle, wheat, sorghum grain, corn.
S.A	**10,150**	**14,380**	**16,103**	**16,068**	**9,300**	**6,767**	**83.6**	
Del	267	339	391	405	117	287	.7	43—Broilers, soybeans, corn, dairy prod.
Md	682	928	1,059	1,055	340	715	2.6	35—Broilers, dairy prod., corn, soybeans.
Va	983	1,443	1,638	1,680	674	1,005	7.4	31—Cattle, dairy prod., tobacco, broilers.
W. Va	138	219	215	225	55	170	2.5	47—Cattle, dairy prod., broilers, turkeys.
N.C	2,626	3,593	4,151	4,112	2,520	1,593	16.4	11—Tobacco, broilers, hogs, soybeans.
S.C	809	1,106	1,126	1,156	761	395	17.2	34—Tobacco, soybeans, dairy prod., cattle.
Ga	2,141	2,729	3,267	3,210	1,550	1,660	29.3	15—Broilers, peanuts, soybeans, eggs.
Fla	2,504	4,023	4,256	4,225	3,283	942	7.5	10—Oranges, greenhouse, cane for sugar, dairy prod.
E.S.C	**5,213**	**8,819**	**9,290**	**9,719**	**5,399**	**4,318**	**176.3**	
Ky	1,439	2,751	2,820	2,903	1,630	1,273	12.9	20—Tobacco, horses/mules, cattle, soybeans.
Tenn	1,116	1,902	2,012	2,113	1,227	885	28.1	27—Soybeans, dairy prod., tobacco, cattle.
Ala	1,340	1,930	2,247	2,272	1,054	1,217	31.4	26—Broilers, cattle, soybeans eggs.
Miss	1,318	2,236	2,211	2,431	1,488	943	103.9	25—Cotton, soybeans, broilers, cattle.
W.S.C	**11,043**	**17,003**	**17,782**	**18,072**	**8,417**	**9,654**	**973.7**	
Ark	2,126	3,076	3,408	3,417	1,791	1,626	119.3	14—Broilers, rice, soybeans, cattle.
La	1,131	1,630	1,728	1,844	1,337	506	83.1	29—Soybeans, cotton, rice, cattle.
Okla	1,876	3,187	2,869	3,131	1,040	2,091	127.7	16—Cattle, oats, dairy prod., cotton.
Tex	5,910	9,110	9,777	9,680	4,249	5,431	643.6	3—Cattle, cotton, wheat, sorghum grain.
Mt	**6,866**	**11,057**	**10,513**	**10,664**	**4,885**	**5,780**	**352.8**	
Mont	1,060	1,405	1,412	1,633	980	653	116.9	33—Wheat, cattle, barley, sugar beets.
Idaho	1,280	2,075	2,170	2,102	1,288	814	51.6	28—Cattle, wheat, potatoes, dairy prod.
Wyo	376	665	602	530	116	415	10.5	38—Cattle, wheat, sugar beets, sheep.
Colo	1,929	3,234	2,934	3,004	993	2,011	68.8	18—Cattle, wheat, corn, dairy prod.
N. Mex	726	1,200	899	960	333	627	32.0	36—Cattle, dairy prod., hay, wheat.
Ariz	1,038	1,714	1,725	1,657	975	682	59.4	32—Cotton, cattle, dairy prod., lettuce.
Utah	326	517	557	542	130	412	9.2	37—Dairy prod., cattle, hay, wheat.
Nev	131	247	214	236	70	166	4.4	46—Cattle, hay, dairy prod., potatoes.
Pac	**11,777**	**18,991**	**19,188**	**19,618**	**13,508**	**6,110**	**243.2**	
Wash	1,867	2,668	2,842	3,023	2,030	993	77.0	17—Wheat, cattle, dairy prod., apples.
Oreg	1,046	1,667	1,790	1,775	1,123	652	30.6	30—Cattle, wheat, dairy prod., greenhouse.
Calif	8,474	14,002	14,048	14,320	9,939	4,381	134.5	1—Dairy prod., cattle, grapes, cotton.
Alaska	10	12	14	16	10	6	.4	50—Greenhouse, dairy prod., potatoes, hay.
Hawaii	380	642	494	484	406	78	.7	40—Cane for sugar, pineapples, greenhouse, macadamia nuts.

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

No. 1167. Farm Income—Gross and Net Farm Income and Debt/Asset Ratio, by States: 1975 to 1982

[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.)				Debt/asset ratio [1] (percent)			
	1975	1980	1981	1982	1975	1980	1981	1982	1975	1980	1981	1982
U.S	**97,199**	**155,481**	**159,422**	**164,007**	**22,155**	**26,842**	**22,422**	**23,903**	**16.2**	**16.5**	**16.7**	**18.6**
N.E.	**1,246.9**	**1,756.6**	**1,855.6**	**1,843.4**	**223.2**	**213.5**	**238.2**	**182.1**	(NA)	(NA)	(NA)	(NA)
Maine	392.0	480.9	514.4	453.8	66.0	7.1	37.6	–32.5	22.3	23.0	23.2	24.4
N.H.	87.7	117.3	121.0	127.7	14.7	4.5	2.2	3.8	13.2	11.4	11.5	11.8
Vt	260.7	421.3	439.1	454.4	50.1	81.5	68.4	76.5	17.6	15.4	15.3	16.6
Mass	235.0	364.0	388.9	401.8	40.2	64.4	71.0	74.4	11.8	15.2	15.1	16.8
R.I.	30.9	40.0	42.1	41.6	9.1	3.4	2.7	1.2	9.7	8.7	8.9	9.3
Conn	240.6	333.3	350.1	364.1	43.1	52.6	56.3	58.7	13.2	13.4	13.5	14.4
M.A.	**3,987.3**	**6,332.0**	**6,893.6**	**6,939.6**	**575.9**	**767.2**	**876.4**	**800.6**	(NA)	(NA)	(NA)	(NA)
N.Y.	1,765.7	2,731.7	2,938.5	2,876.0	205.3	282.2	272.0	147.7	17.1	21.6	22.8	23.0
N.J.	384.6	560.0	627.4	653.2	67.1	83.0	115.0	106.1	11.2	10.6	11.6	11.8
Pa.	1,837.0	3,040.3	3,327.7	3,410.6	303.5	402.0	489.4	546.8	11.9	12.9	14.1	16.2
E.N.C.	**16,680.2**	**27,229.0**	**26,331.6**	**27,149.7**	**3,452.8**	**5,284.5**	**3,020.5**	**3,446.9**	(NA)	(NA)	(NA)	(NA)
Ohio	2,864.8	4,792.0	3,976.2	4,274.2	548.8	1,017.5	151.8	373.1	12.7	12.2	13.1	16.2
Ind.	3,288.5	5,328.5	4,929.2	5,291.3	721.9	1,004.0	443.0	716.9	15.9	15.8	16.2	19.7
Ill.	5,670.2	8,684.8	8,288.6	8,288.7	981.9	1,671.5	781.5	731.6	12.5	12.3	12.9	15.4
Mich.	1,881.3	3,149.2	3,259.9	3,374.4	455.9	506.6	394.8	420.9	15.9	17.7	17.7	20.3
Wis.	2,975.4	5,274.5	5,877.7	5,921.1	744.3	1,084.9	1,249.4	1,204.4	18.3	18.7	18.8	21.6
W.N.C.	**26,104.2**	**42,307.3**	**42,709.7**	**43,696.1**	**5,634.4**	**6,280.1**	**4,915.3**	**5,175.9**	(NA)	(NA)	(NA)	(NA)
Minn.	4,215.1	7,229.1	7,242.7	7,525.0	1,009.0	1,490.3	1,043.1	1,185.7	17.3	19.1	18.1	20.8
Iowa	6,959.2	11,316.8	11,519.0	11,456.6	1,154.2	1,373.6	1,486.6	1,400.0	16.7	16.8	16.9	19.6
Mo.	3,000.2	4,774.9	4,873.0	4,959.0	628.0	737.1	524.7	93.7	15.4	15.1	15.6	18.2
N. Dak.	2,081.8	2,927.1	2,908.1	3,142.2	590.0	714.4	287.4	364.7	12.2	16.4	17.3	19.0
S. Dak.	2,127.0	2,973.1	3,014.6	2,896.3	722.1	568.3	459.5	256.8	17.7	22.2	22.2	24.9
Nebr.	4,099.7	6,868.6	6,915.0	7,749.1	915.7	660.1	271.6	1,013.7	18.4	20.1	20.1	22.8
Kans.	3,621.2	6,217.7	6,237.3	6,567.9	615.4	716.3	842.4	861.3	16.0	17.7	18.1	20.1
S.A.	**11,175.0**	**16,179.2**	**18,016.6**	**18,017.4**	**3,293.2**	**2,823.2**	**3,583.4**	**3,412.2**	(NA)	(NA)	(NA)	(NA)
Del.	279.1	360.9	416.2	428.5	89.7	51.2	83.5	94.1	14.5	16.7	17.6	20.5
Md.	768.2	1,102.2	1,264.5	1,260.9	202.3	159.7	216.6	222.7	12.5	11.6	11.4	13.0
Va.	1,162.9	1,744.0	1,967.7	2,019.7	237.5	135.0	202.1	184.7	11.6	12.9	13.6	15.0
W. Va.	190.2	313.5	319.6	348.9	16.1	–21.0	–39.6	–29.3	9.7	8.5	8.7	8.4
N.C.	2,908.3	4,056.9	4,643.0	4,601.2	998.8	832.7	1,081.4	994.0	14.5	16.9	17.8	20.6
S.C.	899.2	1,249.0	1,276.8	1,314.2	197.7	119.3	67.5	107.5	15.6	17.8	19.3	22.4
Ga.	2,328.6	3,046.3	3,598.2	3,526.2	539.6	185.8	484.9	493.9	19.6	21.9	23.8	27.7
Fla.	2,638.3	4,306.4	4,530.6	4,517.6	1,011.5	1,360.5	1,487.0	1,344.6	15.9	15.8	15.4	18.3
E.S.C.	**6,000.3**	**10,226.4**	**10,874.1**	**11,466.9**	**1,242.4**	**2,054.9**	**1,789.0**	**2,223.4**	(NA)	(NA)	(NA)	(NA)
Ky.	1,671.4	3,162.2	3,260.9	3,375.8	399.5	905.4	754.8	773.1	13.0	17.4	18.4	19.8
Tenn.	1,341.7	2,340.9	2,490.4	2,609.8	224.2	356.5	323.8	408.7	15.9	15.6	16.1	17.6
Ala.	1,507.8	2,233.5	2,598.2	2,641.3	363.6	355.3	522.5	582.1	15.4	15.4	15.6	17.3
Miss.	1,479.4	2,489.8	2,524.6	2,840.0	255.1	437.7	187.9	459.5	18.1	18.5	17.9	22.0
W.S.C.	**12,105.2**	**18,963.8**	**20,155.7**	**21,183.9**	**2,754.0**	**2,512.4**	**2,336.4**	**3,000.9**	(NA)	(NA)	(NA)	(NA)
Ark.	2,288.7	3,402.5	3,777.4	3,904.5	681.6	554.0	669.0	862.5	18.3	16.3	16.4	17.6
La.	1,243.7	1,864.1	2,000.6	2,204.9	362.2	201.8	186.2	386.1	15.5	15.0	14.6	17.2
Okla.	2,075.4	3,576.0	3,394.2	3,712.6	393.1	607.2	285.9	581.7	17.1	16.4	17.1	18.4
Tex.	6,497.4	10,121.2	10,983.5	11,361.9	1,317.1	1,149.4	1,195.3	1,170.6	14.3	13.2	13.2	12.9
Mt.	**7,436.5**	**12,199.7**	**11,848.2**	**12,235.2**	**1,540.3**	**1,395.5**	**920.1**	**967.5**	(NA)	(NA)	(NA)	(NA)
Mont.	1,159.7	1,615.1	1,659.3	1,929.8	243.0	67.4	–65.2	66.1	17.7	17.7	18.5	19.7
Idaho	1,390.8	2,279.9	2,415.7	2,388.5	310.3	333.1	351.9	254.5	20.1	20.3	20.4	22.3
Wyo.	421.8	739.3	688.4	622.5	48.2	51.3	–25.0	–81.5	17.6	15.4	15.4	15.9
Colo.	2,055.9	3,457.6	3,203.7	3,316.1	467.7	326.2	306.6	305.6	21.4	22.4	21.4	23.3
N. Mex.	793.3	1,334.5	1,065.0	1,147.8	197.1	271.3	37.7	106.4	15.5	11.3	11.1	11.5
Ariz.	1,103.8	1,855.3	1,876.2	1,872.2	201.1	251.9	251.9	252.2	15.7	12.9	13.3	14.1
Utah	369.4	635.3	685.2	679.0	55.9	53.4	50.5	33.7	14.2	11.0	11.1	11.8
Nev.	143.8	282.7	254.7	279.3	17.0	40.9	11.7	30.5	15.6	12.3	12.9	13.4
Pac.	**12,461.4**	**20,286.3**	**20,736.7**	**21,474.3**	**3,439.2**	**5,510.2**	**4,743.1**	**4,694.3**	(NA)	(NA)	(NA)	(NA)
Wash.	2,017.3	2,973.1	3,215.6	3,457.7	757.7	789.1	720.9	878.9	18.0	18.5	17.5	19.2
Oreg.	1,180.1	1,947.8	2,111.2	2,125.4	304.6	390.9	424.6	372.6	19.5	19.8	20.4	22.6
Calif.	8,848.7	14,687.7	14,875.9	15,363.6	2,249.6	4,091.8	3,502.3	3,384.3	22.6	20.9	19.4	20.4
Alaska	10.7	14.8	17.8	20.3	3.6	1.1	2.1	.2	11.5	9.4	17.4	23.6
Hawaii	404.6	662.9	516.2	507.3	123.7	237.3	93.2	58.3	7.6	7.5	8.0	9.1

NA Not available. [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. 1168. Indexes of Prices Received and Paid by Farmers: 1960 to 1982

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

ITEM	1960	1965	1970	1973	1974	1975	1976	1978	1979	1980	1981	1982, prel.
Prices received, all products	**52**	**54**	**60**	**98**	**105**	**101**	**102**	**115**	**132**	**134**	**139**	**133**
Crops	51	53	52	91	117	105	102	105	116	125	134	121
Livestock and products	53	54	67	104	94	98	101	124	147	144	143	145
Prices paid, total [1]	**44**	**47**	**55**	**71**	**81**	**89**	**95**	**108**	**123**	**138**	**150**	**156**
Production	46	48	54	73	83	91	97	108	125	138	148	149
Interest payable per acre	13	22	38	54	65	76	87	117	143	174	211	233
Taxes payable per acre	37	46	68	77	81	87	94	100	107	117	123	131
Wage rates [2]	33	38	57	69	79	85	93	107	118	127	137	141
Parity ratio (1910-14=100) [3]	**80**	**76**	**72**	**91**	**86**	**76**	**71**	**70**	**71**	**65**	**62**	**58**

[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. 483 and 484, and table 809. [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. 1169. Income per Farm Operator Family, 1975 to 1982, and by Value of Sales, 1982

[In dollars. Net income data are before inventory adjustment and include farm households. Minus sign (−) indicates loss. See also footnote 1, table 1170]

YEAR	Total	Off-farm	Net farm	VALUE OF SALES	Total	Off-farm	Net farm
1975	18,266	9,481	8,787	**1982 total**	**26,386**	**16,428**	**9,959**
1976	19,365	10,685	8,681	Less than $2,500	20,292	20,758	−465
1977	18,267	10,635	7,631	$2,500-$4,999	18,330	19,328	−998
1978	23,207	12,194	11,015	$5,000-$9,999	18,265	19,146	−881
1979	25,751	14,513	11,237	$10,000-$19,999	16,479	17,206	−726
1980	26,568	15,511	11,056	$20,000-$39,999	13,391	12,887	504
1981	25,595	16,383	9,212	$40,000-$99,999	16,155	10,615	5,539
1982	26,386	16,428	9,959	$100,000-$199,999	30,861	11,074	19,786
				$200,000-$499,999	67,180	13,720	53,461
				$500,000 and over	597,929	26,831	571,097

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

No. 1170. Farms, Farm Income, and Assets, by Value of Sales: 1981 and 1982

[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 to asset ratio (percent)	PERCENT DISTRIBUTION: Number of farms [1]	Gross income [2]	Net income [2]	Assets [4]
1981: Less than $2,500	522	3.4	.8	−.3	60.0	9.2	21.4	2.1	−1.4	5.5
$2,500-$4,999	331	2.9	1.4	−.4	46.0	9.4	13.6	1.8	−1.7	4.2
$5,000-$9,999	334	4.2	2.7	−.4	59.7	10.3	13.7	2.7	−1.7	5.5
$10,000-$19,999	286	6.6	4.7	−.3	73.7	11.8	11.8	3.8	−1.3	6.8
$20,000-$39,999	279	10.4	9.1	(z)	111.9	12.4	11.5	6.5	−.2	10.3
$40,000-$99,999	391	30.5	28.2	1.7	263.7	15.3	16.1	19.2	7.5	24.2
$100,000-$199,999	182	29.3	27.9	3.3	209.3	17.4	7.4	18.4	14.8	19.2
$200,000-$499,999	85	28.4	27.5	4.5	158.2	20.9	3.5	17.8	20.0	14.5
$500,000 and over	24	44.2	43.9	14.3	107.3	31.5	1.0	27.7	64.0	9.8
1982: Less than $2,500	496	3.4	.7	−.2	56.7	10.2	20.7	2.1	−1.0	5.2
$2,500-$4,999	328	2.9	1.4	−.3	45.3	10.4	13.7	1.8	−1.4	4.2
$5,000-$9,999	331	4.4	2.8	−.3	58.8	11.4	13.8	2.6	−1.2	5.4
$10,000-$19,999	281	6.0	4.7	−.2	71.6	13.2	11.7	3.7	−.9	6.6
$20,000-$39,999	273	10.5	9.1	(z)	108.4	13.9	11.4	6.4	.6	10.0
$40,000-$99,999	393	31.3	28.8	2.2	261.4	17.2	16.4	19.1	9.1	24.2
$100,000-$199,999	186	30.4	28.9	3.7	211.3	19.4	7.7	18.5	15.4	19.5
$200,000-$499,999	87	29.5	28.5	4.7	160.6	23.1	3.6	18.0	19.5	14.8
$500,000 and over	25	45.6	45.2	14.3	109.1	33.7	1.0	27.8	59.9	10.1

Z Less than $50 million. [1] Based on 1974 census definition. See text, pp. 647 and 648. [2] Data are before inventory adjustment. For components of income, see table 1162. [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. 1171. Farm Income and Expenses by Selected Characteristics of Farm: 1979

[See headnote, table 1150]

Characteristic of farm	Amount (mil. dol.)						Percent distribution			
	Value of agricultural products sold	Rent [1]	Value of contractor's share [2]	Operating expenses	Net cash farm income [3]	Off-farm income	Value of agricultural products sold	Operating expenses	Net cash farm income [3]	Off-farm income
Total [4]	**122,751**	**10,896**	**9,978**	**77,273**	**27,228**	**32,754**	**100.0**	**100.0**	**100.0**	**100.0**
Full owners	46,325	1	7,123	28,703	11,748	22,080	37.7	37.1	43.1	67.4
Part owners	60,034	7,114	2,270	39,058	12,695	7,892	48.9	50.5	46.6	24.1
Tenants	16,392	3,781	585	9,512	2,785	2,782	13.4	12.3	10.2	8.5
Individual or family	74,606	7,590	5,593	45,684	17,593	29,075	60.8	59.1	64.6	88.8
Partnership	19,426	2,166	802	12,276	4,627	2,628	15.8	15.9	17.0	8.0
Corporations	28,106	1,103	3,551	18,906	4,860	960	22.9	24.5	17.8	2.9
Under 50 acres	10,641	189	2,306	6,179	2,252	11,419	8.7	8.0	8.3	34.9
50-179 acres	18,827	750	3,121	11,168	4,252	10,970	15.3	14.5	15.6	33.5
180-499 acres	33,876	3,457	2,491	20,530	8,020	6,145	27.6	26.6	29.5	18.8
500-999 acres	22,624	2,974	948	14,026	5,082	1,938	18.4	18.2	18.7	5.9
1,000 acres or more	36,783	3,526	1,112	25,370	7,622	2,281	30.0	32.8	28.0	7.0

[1] Covers cash rent paid plus landlords' share of the value of agricultural products sold. [2] Value of contractor's share of production contracts. Represents total market value of products produced under contract minus the amount paid to the producer.
[3] *Includes net farm related income.*
[4] Includes other types of organization, not shown separately.

No. 1172. Capital Purchases and Operating Expenses by Farm Characteristics: 1979

[Covers purchases and expenses of farm operators only. See headnote, table 1150]

Characteristic of farm	Total			Capital purchases			Operating expenses		
	Total (mil. dol.)	Percent paid in cash	Percent financed	Total (mil. dol.)	Percent paid in cash	Percent financed	Total (mil. dol.)	Percent paid in cash	Percent financed
Total	**107,506**	**69.9**	**30.1**	**30,233**	**47.6**	**52.4**	**77,273**	**78.6**	**21.4**
Full owners	39,319	76.7	23.3	10,617	55.1	44.9	28,703	84.7	15.3
Part owners	55,943	65.1	34.9	16,885	42.3	57.7	39,058	74.9	25.1
Tenants	12,243	69.9	30.1	2,732	51.5	48.5	9,512	75.2	24.8
Individual or family	68,197	68.2	31.8	22,514	47.0	53.0	45,684	78.6	21.4
Partnership	16,764	70.0	30.0	4,488	46.8	53.2	12,276	78.5	21.5
Corporations	22,060	74.6	25.4	3,154	52.7	47.3	18,906	78.2	21.8
Other	485	87.8	12.2	77	64.9	35.1	408	92.2	7.8
Under 50 acres	8,410	80.3	19.7	2,231	53.9	46.1	6,179	89.9	10.1
50-179 acres	16,430	74.0	26.0	5,262	49.1	50.9	11,168	85.8	14.2
180-499 acres	29,008	72.6	27.4	8,478	48.7	51.3	20,530	82.5	17.5
500-999 acres	19,673	67.3	32.7	5,647	46.5	53.5	14,026	75.7	24.3
1,000 acres or more	33,985	64.4	35.6	8,615	44.8	55.2	25,370	71.1	28.9

Source of tables 1171 and 1172: U.S. Bureau of the Census, *1978 Census of Agriculture, vol. 5, Special Reports, part 6, 1979 Farm Finance Survey.*

No. 1173. Commodity Credit Corporation—Volume of Price-Support Commodities Owned and Outstanding Under Loan: 1975 to 1982

[As of **December 31.** For explanation of program, see headnote, table 1174]

Commodity	Unit	Commodities owned					Commodities outstanding under loan				
		1975	1979	1980	1981	1982	1975	1979	1980	1981	1982
Dairy products:											
Butter and butter oil	Mil. lb	3	177	331	449	503	(x)	(x)	(x)	(x)	(x)
Cheese	Mil. lb	5	5	244	644	945	(x)	(x)	(x)	(x)	(x)
Nonfat dry milk	Mil. lb	442	529	707	944	1,377	(x)	(x)	(x)	(x)	(x)
Rice	Mil. cwt	(z)	8.1	1.7	(z)	17.6	8.9	20.2	20.5	16.3	53.7
Wheat	Mil. bu	(z)	50	203	191	185	32	373	366	660	1,121
Corn	Mil. bu	(z)	100	254	248	429	110	801	966	1,234	2,400
Sorghum grain	Mil. bu	(x)	45	44	38	47	6	83	24	181	402
Soybeans	Mil. bu	(x)	(z)	(z)	(z)	14	(z)	73	72	161	358
Cotton	1,000 bales	(z)	(z)	(z)	(z)	(z)	333	710	851	1,485	5,623
Tobacco	Mil. lb	(x)	(x)	(x)	(x)	(x)	335	686	678	596	809

X Not applicable. Z Less than 50,000 or 500,000 units.

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

No. 1174. Commodity Credit Corporation—Summary: 1960 to 1982

[**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 (CCC) is a wholly government-owned corporation established by Congress in 1933. 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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Loans made	1,507	2,144	2,388	1,256	852	1,131	3,621	6,385	4,576	4,228	5,849	11,454
Loans outstanding [1]	1,347	2,534	2,952	720	335	637	3,245	5,030	5,210	5,119	5,193	11,633
Wheat	163	136	576	10	4	24	1,814	1,318	816	637	1,871	3,321
Corn	646	616	632	115	39	61	239	1,280	1,301	1,617	629	4,210
Cotton	9	775	170	34	143	24	13	153	80	35	76	714
Tobacco	417	826	845	250	119	353	652	751	903	815	764	867
Storage facilities, equipment [2]	45	40	164	271	199	157	236	799	1,324	1,470	1,403	1,210
Cost of acquisitions [1 3 4]	4,020	2,005	1,518	402	835	657	997	911	1,007	2,759	2,507	2,968
Wheat	371	169	217	130	4	14	72	135	40	601	28	27
Corn	361	140	49	6	2	5	2	31	195	416	21	179
Cotton	2,507	952	304	(z)	(z)	(z)	(z)	(z)	(z)	1	(z)	(z)
Dairy products	223	325	253	55	480	115	721	445	247	1,262	1,991	2,282
Wheat flour and products	79	124	109	177	123	80	89	112	149	124	161	117
Vegetable oil products	-	16	28	67	44	(z)	24	50	117	136	161	89
Commodities owned [1 3]	6,021	3,892	1,858	114	416	659	985	1,029	1,162	2,737	3,727	5,103
Wheat	2,452	1,297	405	26	2	(z)	23	119	118	705	679	679
Corn	1,700	595	293	11	(z)	1	(z)	27	209	596	555	709
Cotton	880	1,123	225	-	(z)	-	(z)	(z)	(z)	1	1	2
Dairy products	107	137	134	25	290	259	703	751	570	1,266	2,396	3,442
Sorghum	731	648	173	2	(z)	(z)	(z)	28	92	93	79	91
Sales and donations, cost [3]	3,234	2,458	902	766	530	457	640	895	901	1,216	1,537	1,617
Other expenses [3]	529	393	289	34	34	35	49	62	100	224	291	322

- Represents zero. Z Less than $500,000. [1] Includes amounts for commodities not shown separately. [2] Loans for purchase, construction, erection or installation of storage and drying equipment. [3] Data comparable for 1960-1970; price support commodities only. Thereafter, includes Commodity Export and Special Activities programs. [4] Value of commodities purchased and acquired as collateral from loans.

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

No. 1175. Farmer Marketing and Farm Supply Cooperatives—Summary: 1960 to 1981

[**1960-1977,** 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 business 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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
Cooperatives listed	**9,345**	**8,583**	**7,790**	**7,645**	**7,535**	**6,736**	**6,600**	**6,445**	**6,293**	**6,211**
Marketing [1]	6,048	5,498	5,015	4,916	4,804	4,143	4,050	3,938	3,924	3,855
Farm supply	3,297	3,085	2,775	2,729	2,731	2,593	2,550	2,507	2,369	2,356
Memberships [2] (1,000)	**7,273**	**7,082**	**6,355**	**6,123**	**5,906**	**5,758**	**5,695**	**5,627**	**5,379**	**5,335**
Marketing [1] (1,000)	3,673	3,831	3,133	3,151	2,850	2,692	2,632	2,567	2,574	2,479
Farm supply (1,000)	3,600	3,251	3,222	2,972	3,056	3,066	3,063	3,060	2,804	2,856
Business [3] (mil. dol.)	**12,036**	**14,742**	**19,080**	**41,342**	**40,104**	**43,584**	**47,305**	**56,268**	**66,254**	**71,534**
Marketing [1] (mil. dol.)	9,628	11,832	15,207	32,682	30,692	33,027	36,253	42,747	50,120	54,475
Farm supply (mil. dol.)	2,408	2,910	3,873	8,660	9,412	10,557	11,052	13,521	16,134	17,059

SELECTED PRODUCTS OR SUPPLIES	COOPERATIVES HANDLING					BUSINESS [3] (mil. dol.)					
	1965	1970	1979	1980	1981, prel.	1965	1970	1975	1979	1980	1981, prel.
Products marketed:											
Grain, soybeans	2,596	2,539	2,488	2,434	2,410	2,465	3,006	12,744	14,948	17,790	19,777
Dairy products	1,346	971	495	487	470	3,770	5,126	8,376	11,592	13,666	15,052
Fruits and vegetables	592	499	405	400	388	1,232	1,776	2,730	3,925	4,209	4,496
Livestock and livestock products	479	546	449	449	435	1,433	2,154	2,614	5,141	5,637	5,196
Sugar products	67	66	46	45	41	530	634	2,065	1,209	1,712	1,925
Cotton and cotton products	581	554	473	470	480	830	434	935	1,436	1,860	2,099
Supplies purchased:											
Feed	4,363	4,214	3,796	3,613	3,603	1,035	1,279	2,587	3,189	3,544	3,531
Fertilizer	4,409	4,294	3,972	3,802	3,789	507	657	1,913	2,755	3,454	3,676
Petroleum products	2,773	2,774	3,062	2,921	2,911	643	864	1,675	3,827	5,069	5,646
Farm chemicals	3,329	3,721	3,877	3,697	3,684	82	165	502	948	1,048	1,275
Seed	3,962	4,007	3,805	3,620	3,607	121	142	337	456	495	575

[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. 1176. Food Manufacturing Industry—Summary: 1970 to 1982

[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. 402]

ITEM	Unit	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total employees [1]	1,000	1,786	1,707	1,658	1,689	1,711	1,724	1,733	1,708	1,671	1,638
Production workers	1,000	1,207	1,164	1,120	1,145	1,161	1,174	1,191	1,175	1,150	1,127
Avg. hourly earnings, prod. workers	Dollars	3.16	4.19	4.61	4.98	5.37	5.80	6.27	6.85	7.44	7.89
Salaries and wages	Bil. dol	11.7	14.8	15.9	17.3	18.5	20.3	21.7	23.2	24.7	(NA)
Supplemental labor cost [2]	Bil. dol	(NA)	(NA)	2.6	3.0	3.6	4.1	4.5	4.9	5.4	(NA)
Value added by manufacture [3]	Bil. dol	32.3	44.9	48.1	52.8	56.1	62.9	68.7	75.5	80.8	(NA)
Cost of materials	Bil. dol	66.5	118.3	123.8	128.6	137.0	154.0	168.0	181.4	191.6	(NA)
Value of shipments [4]	Bil. dol	98.5	162.1	172.2	180.9	192.9	216.1	236.0	256.2	272.1	(NA)
Total assets	Bil. dol	23.8	30.1	33.0	35.1	38.4	41.7	44.6	48.6	48.8	(NA)
Capital expenditures, new [5]	Bil. dol	2.1	3.0	3.4	3.8	4.2	4.8	5.0	5.8	6.0	(NA)
Funds for research and development [6]	Mil. dol	230	298	335	355	415	472	528	620	719	(NA)
Corporate profits before taxes [7]	Bil. dol	4.8	7.9	8.8	9.7	9.2	10.2	11.5	13.0	14.3	13.3
Corporate profits after taxes [7]	Bil. dol	2.6	4.6	5.2	5.8	5.6	6.2	7.3	8.2	9.1	8.4
Ratio of profits to stockholders' equity	Percent	10.8	13.8	14.4	14.9	13.3	13.8	14.7	14.7	14.0	13.0
Profits per dollar of sales [8]	Cents	2.5	2.9	3.2	3.5	3.1	3.2	3.3	3.4	3.2	3.1

NA Not available. [1] See headnote, table 713. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. [2] *Employers' expenses for legally required labor supplements (e.g., Social Security) and for voluntary programs (e.g., pension funds).* [3] See footnote 6, table 1366. [4] See footnote 7, table 1366. [5] *Includes expenditures for plants in operation and plants under construction but not yet in operation.* [6] Source: U.S. National Science Foundation, *Research and Development in Industry*, annual. [7] 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. [8] 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;* and *Annual Survey of Manufactures.*

No. 1177. U.S. Total Food and Alcoholic Beverage Expenditures, by Type of Use and Seller: 1960 to 1982

[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			
	1960	1970	1975	1978	1979	1980	1981	1982 [1]	1960	1970	1980	1982 [1]
Total food expenditures	**73.7**	**116.9**	**187.7**	**243.7**	**274.5**	**303.0**	**328.0**	**347.7**	**100.0**	**100.0**	**100.0**	**100.0**
Food for off-premise use	54.1	77.5	120.8	150.3	168.6	187.2	202.0	210.6	73.4	66.3	61.6	60.6
Sales, total	49.4	73.4	114.8	143.8	161.6	179.7	193.8	202.1	67.0	62.8	59.1	58.1
Food stores [2]	42.1	65.5	104.2	131.1	147.8	164.6	177.7	185.4	57.1	56.0	54.2	53.3
Other stores [3]	2.5	3.8	6.4	8.5	9.4	10.3	11.3	11.7	3.4	3.3	3.4	3.4
Farmers, manufacturers, wholesalers	1.6	1.8	2.2	2.6	3.0	3.3	3.6	3.8	2.2	1.5	1.1	1.1
Home delivered [4]	3.2	2.4	2.0	1.6	1.5	1.4	1.3	1.2	4.3	2.1	.4	.3
Home production, *donations*	4.7	4.1	6.0	6.5	7.0	7.5	8.1	8.5	6.4	3.5	2.5	2.4
Meals and snacks	19.6	39.4	66.9	93.4	105.9	115.8	126.0	137.0	26.6	33.7	38.4	39.4
Eating and drinking places [5]	10.5	22.6	40.5	59.1	67.6	73.9	80.7	89.0	14.2	19.3	24.6	25.6
Schools and colleges [6]	2.1	4.5	7.1	9.0	9.9	11.0	11.7	12.5	2.8	3.8	3.6	3.6
Retail stores, direct *selling* [7]	1.7	3.3	5.1	6.4	7.0	7.5	8.1	8.5	2.3	2.8	2.5	2.4
Hotels and motels [5]	1.0	1.9	3.2	4.8	5.6	6.0	6.8	7.2	1.4	1.6	2.1	2.1
Recreational places [8]	.4	.7	1.4	2.0	2.3	2.6	2.8	3.0	.5	.6	.9	.9
Other	3.8	6.5	9.8	12.2	13.5	14.8	15.9	16.9	5.2	5.6	4.8	4.8
Total alcoholic beverage sales	**12.9**	**22.0**	**32.0**	**40.6**	**45.8**	**51.2**	**55.2**	**57.3**	**100.0**	**100.0**	**100.0**	**100.0**
Off-premise use	7.2	12.9	19.4	24.0	27.0	30.4	32.7	33.8	55.8	58.6	59.4	59.0
Liquor stores	4.1	7.7	11.1	13.0	14.7	16.5	17.6	18.0	31.8	35.0	32.2	31.4
Food stores	2.4	4.2	6.7	8.8	9.9	11.3	12.2	12.9	18.6	19.1	22.1	22.5
Other	.7	1.1	1.6	2.1	2.4	2.6	2.9	3.0	5.4	5.0	5.1	5.2
On-premise use	5.7	9.1	12.7	16.6	18.9	20.7	22.5	23.4	44.2	41.4	40.4	40.8
Eating and drinking places [5]	5.0	7.7	10.4	13.3	15.1	16.7	18.0	18.7	38.8	35.0	32.6	32.6
Hotels and motels [5]	.4	.8	1.3	2.0	2.3	2.5	2.8	3.1	3.1	3.6	4.9	5.4
Other	.3	.7	1.0	1.3	1.4	1.5	1.6	1.7	2.3	3.2	2.9	3.0

[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 694), November 1982, and unpublished data.

No. 1178. Civilian Consumer Expenditures for Farm Foods—Farm Value and Marketing Bill: 1960 to 1982

[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	1976	1977	1978	1979	1980	1981	1982, prel.
Consumer expenditures, total	**66.9**	**81.1**	**110.6**	**167.0**	**183.3**	**190.9**	**216.9**	**244.9**	**264.9**	**288.4**	**299.1**
Farm value, total	22.3	27.1	35.5	55.6	58.3	58.2	69.6	78.9	81.5	83.3	83.3
Marketing bill, total [1]	44.6	54.0	75.1	111.4	125.0	132.7	147.3	166.1	183.4	205.2	215.8
Percent of total consumer expenditures	66.7	66.6	67.9	66.7	68.2	69.5	67.9	67.8	69.2	71.2	72.1
At-home expenditures [2]	50.0	60.5	78.0	116.2	127.2	130.8	149.2	169.1	180.6	194.7	197.0
Farm value	18.7	22.6	29.1	44.0	47.8	47.3	56.5	64.2	66.0	67.0	66.5
Marketing bill [1]	31.3	37.9	48.9	72.2	79.4	83.5	92.7	104.9	114.6	127.7	130.5
Percent of at-home expenditures	62.6	62.6	62.8	62.1	62.4	63.8	62.1	62.0	63.5	65.6	66.2
Away-from-home expenditures	16.9	20.6	32.6	50.8	56.1	60.1	67.7	75.8	84.3	93.7	102.1
Farm value	3.7	4.5	6.4	11.6	10.5	10.9	13.1	14.7	15.5	16.3	16.8
Marketing bill [1]	13.2	16.1	26.2	39.2	45.6	49.2	54.6	61.1	68.8	77.5	85.3
Percent of away-from-home expenditures	78.1	78.2	80.5	77.2	81.3	81.9	80.6	80.6	81.6	82.7	83.5
Marketing bill cost components:											
Labor cost [3]	19.7	23.3	32.2	48.3	53.8	58.3	66.1	75.1	81.7	91.2	96.7
Packaging materials	5.4	6.2	8.2	13.3	14.5	15.1	16.6	18.6	21.1	22.9	23.2
Rail and truck transport [4]	4.1	4.2	5.2	8.4	9.1	9.7	10.5	11.8	13.0	14.3	14.7
Corporate profits before taxes	2.1	3.0	3.6	7.1	7.6	7.9	9.2	9.9	11.0	12.0	13.1
Fuels and electricity	13.3	17.3	2.2	4.6	5.0	5.6	6.3	8.0	9.9	11.8	12.4
Other [5]			23.7	29.7	35.0	36.1	38.6	42.7	46.7	53.0	55.7
Processing	15.1	16.8	29.7	40.9	47.1	51.3	56.7	64.5	70.0	76.4	77.5
Wholesaling	5.5	6.6	8.7	13.5	14.5	15.0	17.1	19.0	20.9	24.6	25.9
Transportation	4.1	4.3	5.2	8.4	9.1	9.7	10.5	11.8	13.0	14.3	14.7
Retailing	19.9	26.3	31.5	48.6	54.3	56.7	63.0	70.8	79.5	90.5	97.7
SELECTED FOOD COMMODITY GROUPS											
Beef: Total expenditures	10.0	13.0	19.9	28.6	34.3	35.8	42.9	48.3	49.8	52.4	52.0
Farm value	5.0	6.2	9.5	12.8	14.1	14.2	19.1	22.2	21.8	21.3	20.0
Percent of total	50.0	47.7	47.4	44.8	41.1	39.7	44.5	46.0	43.8	40.6	38.5
Marketing bill [1]	5.0	6.8	10.4	15.8	20.2	21.6	23.8	26.1	28.0	31.1	32.0
Pork: Total expenditures	7.2	8.0	12.4	16.8	19.0	20.1	23.3	27.9	29.0	31.3	32.5
Farm value	2.7	3.5	4.3	7.3	7.2	6.7	8.1	8.3	8.2	9.1	9.7
Percent of total	37.5	43.8	34.7	43.3	37.9	33.3	34.8	29.7	28.3	29.1	29.8
Marketing bill [1]	4.5	4.5	8.1	9.5	11.8	13.4	15.2	19.6	20.8	22.2	22.7
Poultry and eggs:											
Total expenditures	5.2	6.2	9.1	12.7	14.1	14.0	15.2	17.5	18.4	20.0	20.4
Farm value	2.9	3.1	4.0	6.3	6.7	6.6	7.4	8.1	8.4	8.8	8.5
Percent of total	55.9	49.5	44.0	49.6	47.5	46.4	48.7	46.3	45.7	44.0	41.7
Marketing bill [1]	2.3	3.1	5.1	6.4	7.4	7.4	7.8	9.4	10.0	11.2	11.9
Fluid milk and cream:											
Total expenditures	7.0	7.4	8.9	11.4	12.6	12.8	13.4	14.9	16.1	17.1	17.3
Farm value	2.8	3.0	3.9	5.3	5.8	5.8	6.2	7.2	7.6	7.7	8.0
Percent of total	39.4	40.5	43.8	46.5	46.0	45.3	46.3	48.3	47.2	45.0	46.2
Marketing bill [1]	4.3	4.4	5.0	6.1	6.8	7.0	7.2	7.7	8.5	9.4	9.3
Other dairy products:											
Total expenditures	5.0	5.6	7.8	12.0	14.1	15.0	16.8	18.6	21.7	24.4	26.5
Farm value	1.9	2.1	3.0	4.7	5.5	5.7	6.5	7.4	8.4	9.3	9.4
Percent of total	38.0	37.5	38.5	39.2	39.0	38.9	38.7	39.8	38.7	38.1	35.5
Marketing bill [1]	3.1	3.5	4.8	7.3	8.6	9.3	10.3	11.2	13.3	15.1	17.1
Fresh fruit, vegetables:											
Total expenditures	7.5	8.7	11.0	15.4	16.6	18.5	22.1	25.0	25.9	28.4	29.9
Farm value	2.3	2.7	3.1	5.0	5.0	5.0	5.8	6.2	7.1	8.1	7.9
Percent of total	30.7	31.0	28.2	32.7	30.1	27.0	26.2	24.8	27.4	28.5	26.4
Marketing bill [1]	5.2	6.0	7.9	10.4	11.6	13.5	16.3	18.8	18.8	20.3	22.0
Processed fruits and vegetables:											
Total expenditures	7.3	9.1	11.6	18.2	20.3	21.8	23.3	26.2	27.9	32.0	33.9
Farm value	1.2	1.8	2.0	3.5	3.8	3.6	4.2	4.6	4.6	5.3	5.9
Percent of total	16.4	19.8	17.2	19.2	18.7	16.5	18.0	17.6	16.5	13.4	17.4
Marketing bill [1]	6.0	7.3	9.6	14.7	16.5	18.2	19.1	21.6	23.3	26.7	28.0
Bakery, grain mill products:											
Total expenditures	9.9	11.2	13.6	24.2	25.3	24.4	27.6	31.5	35.3	38.1	39.6
Farm value	1.4	1.9	2.0	4.2	3.6	3.2	3.8	4.9	5.1	4.9	4.8
Percent of total	14.5	16.7	14.7	17.4	14.2	13.1	13.8	15.6	14.4	12.9	12.1
Marketing bill [1]	8.0	9.4	11.6	20.0	21.7	21.2	23.7	26.6	30.2	33.2	34.8

[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, *Developments in Farm to Retail Price Spreads for Food Products in 1982,* AER No. 500, May 1983; *Agricultural Outlook,* periodic; and *Agricultural Statistics,* annual.

No. 1179. Selected Indexes of Farm Inputs: 1950 to 1982

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

INPUT	1950	1955	1960	1965	1970	1975	1978	1979	1980	1981	1982[1]
Total	101	102	98	96	97	96	102	105	103	102	100
Farm labor	310	264	207	156	126	107	95	93	92	90	86
Farm real estate[2]	108	107	103	102	104	97	100	100	101	101	102
Mechanical power and machinery	72	83	83	80	85	96	104	107	104	103	99
Agricultural chemicals[3]	19	26	32	49	75	83	107	118	120	121	111
Feed, seed, and livestock purchases[4]	58	66	77	86	96	93	104	111	108	104	105
Taxes and interest	83	89	95	101	102	100	99	103	100	100	101
Miscellaneous	63	68	77	85	89	82	105	117	99	111	123

[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. 1180. Farm Machinery and Equipment: 1960 to 1982

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

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Value of farm implements and machinery[1]	Bil. dol.	22.7	24.8	32.3	44.2	54.7	64.0	71.0	77.0	85.1	96.8	108.8	111.0
Number on farms, Jan. 1:[2]													
Tractors[3]	1,000	4,688	4,787	4,619	4,493	4,469	4,434	4,402	5,050	4,989	4,880	4,740	4,655
Horsepower	Mil.	153	176	203	219	222	228	232	264	266	269	275	275
Motortrucks	1,000	2,834	3,030	2,984	3,023	3,032	3,043	3,044	3,450	3,555	3,734	3,972	4,050
Grain combines	1,000	1,042	910	790	698	524	527	535	660	664	669	671	674
Corn pickers[4]	1,000	792	690	635	618	615	610	605	695	694	690	687	685
Pickup balers	1,000	680	751	708	674	667	641	615	770	769	766	761	758
Field forage harvesters	1,000	291	316	304	295	255	263	270	302	301	301	300	298
Farmers' expenditures:													
Motor vehicles[5]	Mil. dol.	1,344	1,940	2,030	3,405	3,833	4,604	4,927	5,580	6,284	5,813	5,652	4,784
Machinery, equipment	Mil. dol.	1,458	2,239	2,888	4,790	4,820	5,393	5,535	7,158	8,002	6,956	6,481	5,247
Retail sales:[6]													
Tractors, total[7]	1,000	(NA)	162.5	135.5	173.8	161.1	153.2	130.9	139.6	139.0	119.3	103.8	77.1
2-wheel drive	1,000	(NA)	162.5	135.5	165.5	150.5	142.7	123.2	130.9	127.5	108.4	94.1	70.4
4-wheel drive	1,000	(NA)	(NA)	(NA)	8.3	10.6	10.5	7.7	8.7	11.5	10.9	9.7	6.7
Combines	1,000	(NA)	37.6	26.7	31.6	33.1	32.5	28.8	31.5	32.3	25.7	26.8	16.2
Corn heads	1,000	(NA)	22.9	18.5	25.1	25.4	25.4	20.7	21.2	22.4	17.2	15.7	9.3
Field forage harvesters	1,000	(NA)	(NA)	15.0	16.1	13.1	13.3	13.2	11.5	12.5	9.5	7.6	5.1

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. 647. 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, Illinois, 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. 1181. Commercial Fertilizers Consumed: 1960 to 1982

[**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	1974	1975	1976	1977	1978	1979	1980	1981	1982
All fertilizers	24.9	31.8	39.6	47.1	42.5	49.2	51.6	47.5	51.5	52.8	54.0	48.7
Percent: Nitrogen	11.7	15.3	19.5	20.4	21.2	22.2	21.7	21.8	21.7	22.6	23.0	23.6
Phosphoric oxide	10.9	11.6	11.9	11.3	11.1	11.2	11.5	11.2	11.4	10.8	10.5	10.3
Potash	9.2	9.4	10.5	11.3	11.0	11.1	11.9	12.1	12.7	12.4	12.2	12.0
Mixed fertilizers	15.7	18.6	21.0	24.1	20.6	23.0	24.0	22.1	23.7	23.3	23.5	20.8
Percent: Nitrogen	6.5	7.8	9.3	10.1	10.2	10.5	10.6	10.7	10.8	10.8	11.0	11.2
Phosphoric oxide	13.0	15.2	17.7	17.7	18.0	19.3	19.9	19.6	20.1	19.6	20.1	20.4
Potash	12.1	12.4	12.7	12.7	12.5	12.5	12.8	12.8	12.8	13.1	12.8	12.4
Primary nutrient materials	7.9	11.8	17.3	20.9	20.0	23.9	25.0	23.5	25.6	27.2	28.2	26.2
Secondary and micronutrients	1.4	1.5	1.3	2.1	1.9	2.3	2.5	1.9	2.1	2.3	2.2	1.8

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

No. 1182. 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, p. 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**	**281**	**394**	**$9.30**	**$14.80**	**$20.99**	**$23.83**
White [1]	1,940	1,907	1,976	1,824	781	409	196	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
Male	1,889	2,036	2,075	1,918	658	390	247	254	369	9.75	15.45	21.88	24.64
Female	599	602	576	574	312	149	63	26	24	7.65	12.35	19.95	20.44
Region:													
Northeast	241	227	188	204	63	50	24	22	44	9.95	14.00	16.63	20.13
North Central	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	456	498	168	90	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. 1183. Farm Productivity—Labor-Hours and Indexes of Farm Output per Hour: 1950 to 1982

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

ITEM	1950	1955	1960	1965	1970	1974	1975	1976	1978	1979	1980	1981	1982, prel.
Hours of labor required on farms [1] (bil.)	**15.1**	**12.8**	**9.8**	**7.3**	**5.9**	**5.2**	**5.0**	**4.8**	**4.4**	**4.3**	**4.3**	**4.2**	**4.0**
All productive livestock (bil.)	5.5	4.9	3.8	3.0	2.3	1.8	1.7	1.6	1.4	1.3	1.3	1.2	1.1
All crops [2] (bil.)	6.9	6.0	4.6	3.4	2.8	2.7	2.6	2.6	2.4	2.4	2.4	2.4	2.4
Farm maintenance [3] (bil.)	2.7	1.9	1.4	.9	.8	.7	.7	.6	.6	.6	.6	.6	.5
INDEX (1977=100)													
Farm output per hour	**19**	**26**	**37**	**52**	**66**	**79**	**89**	**94**	**109**	**119**	**112**	**131**	**136**
All livestock and products	19	24	32	45	64	82	85	93	109	118	129	138	147
Meat animals	32	35	40	51	67	84	87	94	108	117	127	136	138
Milk cows	16	19	27	39	57	75	81	91	109	122	135	148	167
Poultry	10	15	25	40	55	76	81	92	112	124	134	149	161
All crops	22	28	41	56	70	80	89	91	105	118	104	120	126
Feed grains	13	17	33	52	62	75	90	95	111	125	107	132	137
Hay and forage	28	32	43	60	74	87	94	90	109	115	109	120	129
Food grains	31	39	73	79	93	89	101	98	104	115	116	127	130
Vegetables	44	54	69	79	91	97	93	100	104	109	113	117	118
Fruits and nuts	54	60	61	76	84	96	97	101	103	104	112	108	114
Sugar crops	25	35	52	58	79	82	97	100	103	103	104	111	109
Cotton	6	9	13	23	31	47	57	70	100	132	103	145	149
Tobacco	35	40	46	51	79	98	97	101	109	99	104	117	121
Oil crops	29	38	52	59	72	76	88	84	98	110	89	110	116
Cropland used for crops [4]	**100**	**100**	**94**	**89**	**88**	**96**	**97**	**98**	**97**	**100**	**102**	**103**	**103**
Crop production per acre	59	63	77	85	88	88	96	94	105	113	99	113	115

[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. 1184. Farm Output Indexes and Acreage of Principal Crops: 1960 to 1982

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

ITEM	1960	1965	1970	1973	1974	1975	1976	1978	1979	1980	1981	1982, prel.
INDEX, 1977=100												
Farm output [1]	76	82	84	93	88	95	97	104	111	103	118	117
Per unit of total input	77	86	87	95	90	99	98	102	106	101	115	116
Gross production:												
Livestock and products [2]	82	89	99	99	100	95	99	101	104	108	109	107
Meat animals	80	87	102	102	104	97	100	100	103	107	106	101
Dairy products	95	99	95	94	94	94	98	99	101	105	108	110
Poultry and eggs	68	81	93	94	94	92	98	106	114	115	119	119
Crops [3]	72	76	77	92	84	93	92	102	113	101	116	119
Feed grains	69	70	71	91	74	91	96	108	116	97	121	124
Hay and forage	83	91	92	101	96	100	94	106	108	98	106	110
Food grains	66	67	69	86	91	106	107	93	108	121	144	140
Vegetables	88	94	96	99	101	97	99	103	107	104	109	113
Fruits and nuts	69	74	81	93	94	98	96	99	105	119	111	109
Sugar crops	60	80	95	95	89	114	112	101	94	97	107	97
Cotton	102	107	72	91	82	58	74	76	102	79	109	83
Tobacco	102	97	100	91	104	114	112	106	80	93	108	104
Oil crops	38	53	66	87	71	86	74	105	129	99	114	126
ACREAGE, PRINCIPAL CROPS (millions of acres)												
Planted or grown	324	298	293	321	328	336	337	338	349	352	366	365
Harvested	317	292	289	316	322	330	330	330	340	341	353	351

[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. 1185. Farm Labor—Annual Average Labor-Hours Per Unit of Production, Selected Crops and Livestock: 1950–1954 to 1977–1981

[See also *Historical Statistics, Colonial Times to 1970,* series K 445–465]

CROP, LIVESTOCK, AND ITEM	1950–1954	1955–1959	1960–1964	1965–1969	1970–1974	1975–1979	1976–1980	1977–1981
Corn for grain: Hours per acre [1]	13.3	9.9	7.0	5.8	4.3	3.6	3.5	3.4
Yield per acre (bu.)	39.4	48.7	62.2	78.5	84.0	95.3	96.1	100.5
Hours per 100 bushel	34	20	11	7	5	4	3	3
Wheat: Hours per acre [1]	4.6	3.8	3.0	2.9	2.9	2.8	2.8	2.7
Yield per acre (bu.)	17.3	22.3	25.2	27.5	31.0	31.3	32.0	33.0
Hours per 100 bushel	27	17	12	11	9	9	9	8
Hay: Hours per acre [1]	6.3	6.0	5.0	3.8	3.7	3.4	3.4	3.3
Yield per acre (sh. tons)	1.43	1.61	1.77	1.97	2.12	2.21	2.22	2.29
Hours per sh. ton	4.4	3.7	2.8	1.9	1.8	1.6	1.5	1.4
Potatoes: Hours per acre [1]	63.1	53.1	48.0	45.1	41.6	37.6	36.8	36.1
Yield per acre (cwt)	151	178	195	213	234	263	264	267
Hours per sh. ton	8	6	5	4	4	3	3	3
Cotton: Hours per acre [1]	66	66	47	30	18	8	7	6
Yield per acre (lb.)	296	428	475	404	470	485	472	488
Hours per bale	107	74	47	30	18	8	7	6
Tobacco: Hours per acre [2]	464	475	493	427	298	254	248	242
Yield per acre (1,000 lb.)	1.3	1.5	1.9	2.0	2.0	2.0	2.0	2.0
Hours per 100 lb	36	31	26	22	14	13	12	12
Milk cows: Hours per cow	121	109	93	78	62	45	42	38
Milk per cow (cwt)	54	63	75	88	101	110	113	116
Hours per cwt of milk	2.2	1.7	1.2	.9	.6	.4	.4	.3
Cattle, exc. milk cows:								
Hours per cwt of beef produced [3]	3.6	3.2	2.6	2.1	1.7	1.3	1.3	1.2
Hogs: Hours per cwt produced [3]	2.7	2.4	1.9	1.4	1.0	.5	.5	.4
Chickens: [4] Hours per 100 layers	232	175	126	97	78	57	53	49
Rate of lay [5]	181	200	212	219	225	236	238	240
Hours per 100 eggs produced	1.3	.9	.6	.4	.3	.2	.2	.2
Chickens (farm raised): Hours per 100 birds	27	23	17	14	13	12	11	11
Hours per cwt produced [3]	7.3	6.7	4.7	3.7	3.3	2.9	2.8	2.7
Chickens (broilers): Hours per 100 birds	8	4	3	2	1	.6	.5	.5
Hours per cwt produced [3]	2.4	1.3	.8	.5	.3	.2	.1	.1
Turkeys: Hours per cwt produced [3]	6.8	4.4	2.4	1.3	.8	.5	.4	.4

[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. 1186. Agricultural Exports and Imports—Value: 1960 to 1982

[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]

ITEM	1960-1964, avg.	1965-1969, avg.	1970-1974, avg.	1975-1979, avg.	1960	1965	1970	1975	1978	1979	1980	1981	1982
Exports, domestic products	5.4	6.3	12.8	26.5	4.8	6.2	7.3	21.9	29.4	34.7	41.2	43.3	36.6
Percent of all exports	24	20	20	20	24	23	17	21	20	19	19	19	18
Imports for consumption	3.9	4.6	7.3	13.1	3.8	4.1	5.8	9.3	14.8	16.7	17.4	16.8	15.2
Percent of all imports	24	16	12	9	25	19	15	10	9	8	7	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. 1187. Agricultural Exports—Value, by Principal Commodities and Selected Countries of Destination: 1970 to 1982

[See headnote, table 1186. Data by country of destination not adjusted for transshipments]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1977	1978	1979	1980	1981	1982	1970	1980	1982
Total agricultural exports [1]	**7,259**	**21,859**	**23,636**	**29,384**	**34,749**	**41,233**	**43,339**	**36,622**	**100.0**	**100.0**	**100.0**
Grains and preparations [2]	2,582	11,619	8,713	11,585	14,406	17,991	19,390	14,640	35.6	43.6	40.0
Feed grains and products	1,093	5,283	4,907	5,909	7,796	9,831	9,494	6,526	15.1	23.8	17.8
Corn	818	4,422	4,100	5,257	6,977	8,492	7,935	5,562	11.3	20.6	15.2
Wheat and products	1,136	5,353	2,932	4,602	5,586	6,660	8,150	6,927	15.6	16.2	18.9
Rice	313	858	730	932	854	1,289	1,527	997	4.3	3.1	2.7
Oilseeds and products [2]	1,931	4,452	6,615	8,175	8,887	9,393	9,555	9,141	26.6	22.8	25.0
Soybeans	1,228	2,865	4,393	5,208	5,701	5,880	6,186	6,218	16.9	14.3	17.0
Soybean oil cake and meal	*344*	*639*	*920*	*1,242*	*1,416*	*1,665*	*1,589*	*1,411*	*4.7*	*4.0*	*3.9*
Vegetable oils and waxes	295	635	834	970	1,155	1,216	1,077	952	4.1	2.9	2.6
Soybean oil	194	269	443	569	769	689	474	486	2.7	1.7	1.3
Animals and animal products [2]	865	1,686	2,667	3,032	3,765	3,768	4,239	3,935	11.9	9.1	10.7
Hides and skins, incl. furskins	187	407	786	914	1,332	1,046	1,024	1,022	2.6	2.5	2.8
Cattle hides	130	260	525	629	906	623	617	699	1.8	1.5	1.9
Meats and meat products	132	432	611	743	853	890	997	978	1.8	2.2	2.7
Fats, oils, and greases	246	360	593	599	740	769	760	663	3.4	1.9	1.8
Poultry and poultry products	82	157	309	341	409	603	770	515	1.1	1.5	1.4
Cotton, excluding linters	372	991	1,529	1,740	2,198	2,864	2,260	1,955	5.1	6.9	5.3
Tobacco, unmanufactured	517	852	1,094	1,356	1,183	1,334	1,457	1,547	7.1	3.2	4.2
Fruits and preparations	*334*	*699*	*835*	*1,014*	*1,127*	*1,335*	*1,497*	*1,376*	*4.6*	*3.2*	*3.8*
Fresh fruits	164	404	458	565	646	739	855	796	2.3	1.8	2.2
Feeds and fodders	138	313	592	609	838	1,126	1,066	1,037	1.9	2.7	2.8
Vegetables and preparations	219	505	631	703	764	1,188	1,553	1,174	3.0	2.9	3.2
Nuts and preparations	69	169	240	324	584	757	581	541	1.0	1.8	1.5
Other	232	573	720	846	997	1,477	1,741	1,276	3.2	3.6	3.5
Asia [1]	2,670	7,620	8,042	10,295	12,109	14,886	15,777	13,615	36.8	36.1	37.2
Japan	1,214	3,082	3,857	4,435	5,255	6,111	6,562	5,547	16.7	14.8	15.1
Korea, Rep. of	224	830	919	1,148	1,441	1,797	2,008	1,581	3.1	4.4	4.3
China:											
Mainland	*(z)*	*80*	*64*	*573*	*990*	*2,210*	*1,956*	*1,498*	*(z)*	*5.4*	*4.1*
Taiwan	134	565	612	825	1,074	1,095	1,145	1,155	1.8	2.7	3.2
Western Europe [1] [3]	2,532	7,164	8,389	9,115	9,912	11,744	11,905	11,104	34.9	28.5	30.3
European Economic Community [4]	2,133	5,704	6,785	7,312	7,849	9,236	9,059	8,273	29.4	22.4	22.6
Netherlands	526	1,722	2,124	2,346	2,624	3,412	3,301	3,042	7.2	8.3	8.3
Germany, Fed. Rep. of	529	1,564	1,656	1,497	1,399	1,831	1,759	1,448	7.3	4.4	4.0
United Kingdom	411	588	874	1,023	1,057	928	960	896	5.7	2.3	2.4
Italy	210	798	807	995	1,005	1,094	1,181	941	2.9	2.7	2.6
France	164	406	466	565	726	748	624	612	2.3	1.8	1.7
Spain	143	776	634	822	930	1,129	1,267	1,458	2.0	2.7	4.0
Portugal	35	261	413	372	485	608	757	576	.5	1.5	1.6
Latin America [1]	688	2,274	2,217	3,158	3,687	6,150	6,367	4,438	9.5	14.9	12.1
Mexico	155	586	664	903	1,024	2,468	2,432	1,156	2.1	6.0	3.2
Venezuela	98	277	304	387	494	701	893	671	1.4	1.7	1.8
Soviet Union	16	1,133	1,037	1,687	2,855	1,047	1,665	1,855	.2	2.5	5.1
Eastern Europe	169	616	603	1,120	1,933	2,071	1,654	833	2.3	5.0	2.3
Canada	826	1,304	1,534	1,621	1,650	1,852	1,989	1,805	11.4	4.5	4.9
Africa	254	1,134	1,331	1,556	1,581	2,179	2,766	2,195	3.5	5.3	6.0
Egypt	26	425	540	554	601	770	967	800	.4	1.9	2.2

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. 1188. U.S. Sales and Donations Under Food for Peace (Public Law 480) Programs, Total, 1954 to 1982, and by Selected Country, 1975 to 1982

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

TITLE AND PROGRAM	Total, 1954–1982	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	33,669	1,142	1,119	973	1,328	1,300	1,193	1,228	1,287	1,436	1,542	1,314
Title I sales (loans) [1]	20,932	711	724	577	868	902	735	767	746	843	774	690
Repayable in dollars	11,086	485	724	577	868	902	735	767	746	843	774	690
Repayable in foreign currencies	9,846	226	-	-	-	-	-	-	-	-	-	-
Title II donations	12,737	432	394	396	461	398	458	461	541	593	768	624
Voluntary relief agencies	7,748	181	177	196	266	299	326	319	374	340	471	456
Emergency relief and other [2]	4,989	250	217	200	194	99	132	143	167	253	297	168

REGION AND COUNTRY	1975		1978		1979		1980		1981		1982	
	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations
Total	867.5	460.6	767.4	461.1	746.0	541.0	843.0	593.0	774.3	768.3	690.0	624.0
Near East and South Asia [3]	603.8	163.6	413.7	162.3	401.4	218.6	432.9	165.2	387.8	268.6	390.2	253.6
Bangladesh	237.3	4.5	78.0	20.5	88.1	29.0	74.4	2.6	50.5	21.6	64.0	34.1
Egypt	104.5	12.8	179.7	12.5	230.7	22.4	285.3	16.1	272.5	28.9	262.0	31.9
India	121.6	106.1	26.4	109.8	-	137.6	-	118.3	-	170.6	-	123.3
Pakistan	79.5	5.4	56.4	1.3	38.0	3.2	47.5	10.6	47.5	28.8	47.5	50.0
Sri Lanka	24.5	5.4	34.4	3.4	16.3	4.6	23.8	5.1	17.3	7.4	16.7	5.6
East Asia [3]	180.7	36.1	183.7	23.7	135.7	24.4	124.8	75.9	70.6	56.0	15.8	24.3
Indonesia	34.8	11.5	115.4	7.3	88.7	7.5	96.3	17.4	45.0	16.2	15.8	7.8
Kampuchea	91.5	2.9	-	-	-	-	-	38.3	-	14.1	-	3.8
Korea, Rep. of	8.7	5.7	56.3	-	38.0	-	28.5	-	25.6	-	-	-
Philippines	-	10.8	12.0	15.1	9.0	14.8	-	18.8	-	24.1	-	12.6
Africa [3]	16.2	118.8	73.8	133.9	99.9	122.6	155.6	171.3	179.6	195.4	166.0	100.2
Ghana	-	2.8	-	3.0	9.5	5.1	12.1	3.6	12.1	6.9	7.0	6.3
Kenya	-	-	-	.8	-	1.2	16.1	3.2	15.0	10.4	14.3	3.1
Morocco	-	12.7	8.8	15.7	9.7	11.2	5.8	9.9	25.0	16.2	35.0	13.4
Somalia	-	4.6	7.0	8.8	10.7	7.3	17.7	32.3	15.0	29.9	14.5	6.9
Sudan	-	8.2	9.8	2.5	19.0	1.8	25.0	1.3	30.0	4.9	25.0	1.9
Zaire	-	.4	18.0	.5	17.0	4.4	15.7	.6	10.0	3.5	10.0	-
Latin America [3]	66.8	61.0	58.2	47.0	71.3	66.9	92.1	59.9	88.7	90.7	117.7	59.8
Dominican Rep	-	5.5	-	3.9	13.9	6.8	15.0	4.7	14.4	4.4	16.2	3.1
El Salvador	-	1.6	-	1.7	-	2.9	3.0	2.5	26.2	9.1	19.9	7.7
Haiti	2.3	3.3	10.5	8.0	8.6	6.8	8.6	7.2	8.6	15.9	13.0	9.2
Jamaica	1.4	.2	10.0	.5	10.0	.2	10.0	(z)	17.1	(z)	17.5	(z)
Peru	-	6.4	25.0	6.9	20.0	15.3	19.0	14.0	19.0	23.5	16.2	-
Europe	-	.1	38.0	-	38.0	-	38.0	-	47.6	-	-	30.5
Poland	-	-	-	-	-	-	-	-	47.6	-	-	30.5
Portugal	-	-	38.0	-	38.0	-	38.0	-	-	-	-	-
All other [4]	-	81.0	-	94.3	-	107.8	-	121.1	-	157.6	-	155.6

- 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. 1189. Agricultural Exports Under Specified Government-Financed Programs—Value, by Selected Commodities: 1960 to 1982

[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
Agricultural exports	4,832	6,229	7,259	21,859	23,636	29,384	34,749	41,233	43,339	36,622
Outside Government programs [1]	3,371	4,880	6,226	20,431	22,164	27,813	33,255	39,811	41,939	35,353
Under Government programs [2]	1,461	1,349	1,033	1,428	1,472	1,571	1,494	1,422	1,400	1,269
Percent of total	30.2	21.7	14.2	6.5	6.2	5.3	4.3	3.4	3.2	3.5
Wheat	638.4	739.0	313.3	556.6	374.6	426.8	478.5	423.6	415.3	500.1
Wheat flour	118.4	87.5	86.2	68.1	108.5	138.1	168.6	145.1	162.7	159.2
Corn	65.5	56.0	26.5	14.8	213.2	207.8	177.8	169.7	166.3	94.6
Rice	86.5	72.1	171.3	311.6	144.5	175.6	161.5	171.5	167.4	116.5
Cotton	230.4	114.6	115.4	32.5	17.8	15.2	17.6	12.6	3.2	11.2
Soybean oil	72.2	109.6	92.2	36.3	99.1	157.0	142.0	151.9	169.9	171.4
Milk, nonfat, dried	40.7	58.8	91.4	60.3	81.0	32.1	21.0	27.3	34.5	12.8

[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 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. 1190. Selected Farm Products—U.S. and World Production and Exports: 1979 to 1981

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

Item	Unit	1979			1980			1981		
		U.S.	World	U.S. as percent of world	U.S.	World	U.S. as percent of world	U.S.	World	U.S. as percent of world
PRODUCTION										
Wheat [1]	Mil	[2] 58	[3] 423	13.7	[2] 65	[3] 442	14.7	[2] 76	[3] 449	16.9
Corn for grain	Mil	[4] 202	[3] 424	47.6	[4] 169	[3] 407	41.5	[4] 208	[3] 438	47.5
Soybeans [5]	Mil	61.7	93.7	65.8	48.8	80.8	60.4	54.4	86.3	63.0
Rice, rough [6]	Mil	6.0	377	1.6	6.6	397	1.7	8.3	413	2.0
Tallow and greases	1,000	3,058	6,017	50.8	3,157	6,125	51.5	3,280	6,226	52.7
Tobacco, unmanufactured [7]	1,000	693	5,387	12.9	811	5,189	15.6	936	5,930	15.8
Vegetable oils [8]	Mil	12.9	41.2	31.3	6.1	39.1	15.6	6.1	41.8	14.6
Cotton [6]	1,000 bales [9]	14,629	65,555	22.3	11,122	64,811	17.2	15,646	70,800	22.1
EXPORTS										
Wheat [1]	Mil	[2] 37	[3] 86	43.0	[2] 42	[3] 94	44.7	[2] 49	[3] 102	48.1
Corn	Mil	[4] 62	[3] 74	83.8	[4] 60	[3] 78	76.9	[4] 50	[3] 71	70.4
Soybeans	Mil	[5] 23.8	[8] 28.4	83.7	[5] 19.7	[8] 25.4	77.7	[5] 25.3	[8] 29.2	86.6
Rice, rough [10]	Mil	[11] 3.0	[11] 11.6	25.9	[12] 3.0	[12] 12.8	23.4	[13] 2.5	[13] 11.6	21.6
Tallow and greases	1,000	1,290	2,130	60.4	1,520	2,383	63.8	1,469	2,608	56.3
Tobacco, unmanufactured [14]	1,000	259	1,362	19.0	272	1,346	20.2	265	1,485	17.8
Vegetable oils [8]	Mil	1.4	9.9	14.4	1.5	11.5	13.0	1.2	12.5	9.6
Cotton [6]	1,000 bales [9]	9,229	22,733	40.6	5,926	19,652	30.2	6,567	20,369	32.2

[1] Includes wheat flour in grain equivalent. [2] Year beginning June 1. [3] Year beginning July 1. [4] Year beginning Oct. 1. [5] Year beginning Sept. 1. [6] Year beginning Aug. 1. [7] Farm sales weight basis. [8] Various crop years. [9] Bales of 480 lb. net weight. [10] Includes milled rice. [11] Calendar year 1980. [12] Calendar year 1981. [13] Calendar year 1982. [14] Redried weight basis.

Source: U.S. Foreign Agricultural Service, *Foreign Agriculture Circular*, periodic.

No. 1191. Selected Farm Products—Production and Exports: 1970 to 1982

Item	Unit	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Wheat: Production	Mil. bu	1,352	1,782	2,127	2,149	2,046	1,776	2,134	2,374	2,799	2,809
Exports [1]	Mil. bu	741	1,018	1,173	950	1,124	1,194	1,375	1,514	1,773	1,525
Percent of production	Percent	54.8	57.1	55.2	44.2	54.9	67.2	64.4	63.8	63.3	54.3
Corn for grain: Production	Mil. bu	4,152	4,701	5,841	6,289	6,505	7,266	7,939	6,645	8,202	8,397
Exports [1]	Mil. bu	517	1,149	1,711	1,684	1,948	2,133	2,433	2,355	1,967	1,950
Percent of production	Percent	12.5	24.4	29.3	26.8	29.9	29.3	30.6	35.4	24.0	23.2
Soybeans, for beans: Production	Mil. bu	1,127	1,216	1,548	1,289	1,767	1,869	2,268	1,792	2,000	2,277
Exports [1]	Mil. bu	434	421	555	564	700	[2] 739	875	724	929	930
Percent of production	Percent	38.5	34.6	35.9	43.8	39.6	39.5	38.6	40.4	46.5	40.8
Cotton: Production	Mil. bales [3]	10.2	11.5	8.3	10.6	14.4	10.9	14.6	11.1	15.6	12.0
Exports [1]	Mil. bales [3]	3.9	3.9	3.3	4.8	5.5	6.2	9.2	5.9	6.6	5.3
Percent of production	Percent	38.2	33.9	39.8	45.3	38.2	56.9	63.0	53.2	42.3	44.2
Tobacco: [4] Production	Mil. lb	1,906	1,990	2,182	2,137	1,914	2,025	1,527	1,786	2,064	1,982
Exports [1]	Mil. lb	639	653	654	678	693	765	740	658	711	635
Percent of production	Percent	33.5	32.8	30.0	31.8	36.2	37.8	48.5	36.8	34.4	32.0

[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. 1192. Acreages of Crops Harvested for Specified Purposes: 1960 to 1982

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

Item	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982 [1]
Crops harvested [2]	**Mil. acres**	[3] 324	298	293	328	336	337	345	338	349	352	366	365
Domestic use	Mil. acres	255	222	221	229	236	240	233	224	224	215	237	248
Per capita [4]	Acres	1.41	1.14	1.08	1.07	1.09	1.10	1.06	1.00	1.00	.94	1.03	1.07
Exports	Mil. acres	64	76	72	99	100	97	112	114	125	137	129	117
Percent of total	Percent	19.8	25.5	24.6	30.2	29.8	28.8	32.5	33.7	35.8	38.9	35.2	32.1
Crop failure	**Mil. acres**	6	6	5	8	6	9	9	7	7	12	6	7

[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. 1193. Principal Crops—Acreage, Production, and Value: 1961 to 1982

[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	1961–1965, avg.	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1977	1978	1979	1980	1981	1982, prel.
Corn for grain:											
Acreage harvested	1,000 acres	56,670	57,121	63,362	72,096	71,614	71,930	72,400	73,030	74,700	73,152
Production	Mil. bu	3,762	4,463	5,488	6,929	6,505	7,268	7,939	6,645	8,202	8,397
Farm value [1]	Mil. dol	4,251	5,194	11,671	16,677	13,107	16,281	19,904	20,571	20,406	19,397
Yield per acre	Bu	66.4	78.1	86.6	96.1	90.8	101.0	109.7	91.0	109.8	114.8
Price [2]	Dol. per bu	1.13	1.16	2.15	2.41	2.02	2.25	2.52	3.11	2.50	2.32
Soybeans for beans:											
Acreage harvested	1,000 acres	29,694	40,265	49,803	61,863	57,830	63,663	70,566	67,856	66,366	70,783
Production	Mil. bu	719	1,054	1,352	1,797	1,767	1,869	2,268	1,792	2,000	2,277
Farm value [1]	Mil. dol	1,770	2,711	6,720	11,884	10,383	12,450	14,250	13,560	12,071	12,480
Yield per acre	Bu	24.2	26.2	27.1	29.0	30.6	29.4	32.1	26.4	30.1	32.2
Price [2]	Dol. per bu	2.46	2.57	4.97	6.61	5.88	6.66	6.28	7.57	6.04	5.48
Wheat:											
Acreage harvested	1,000 acres	48,017	50,688	56,801	65,509	66,686	56,495	62,454	70,984	81,013	78,841
Production	Mil. bu	1,214	1,433	1,757	2,096	2,046	1,776	2,134	2,374	2,799	2,809
Farm value [1]	Mil. dol	2,027	1,950	5,291	6,652	4,765	5,281	8,070	9,278	10,225	9,516
Yield per acre	Bu	25.3	28.3	30.9	32.0	30.7	31.4	34.2	33.4	34.5	35.6
Price [2]	Dol. per bu	1.67	1.36	3.03	3.17	2.33	2.97	3.78	3.91	3.65	3.39
Hay:											
Acreage harvested	1,000 acres	67,248	61,953	60,882	60,901	60,988	62,113	61,666	59,362	60,192	60,679
Production	Mil. tons [3]	120	125	130	135	132	144	148	131	143	152
Farm value [1]	Mil. dol	2,680	2,918	4,864	7,154	6,826	6,664	7,363	8,104	9,218	9,649
Yield per acre	Short tons	1.79	2.01	2.14	2.22	2.17	2.32	2.40	2.21	2.38	2.51
Price [2] [4]	Dol. per ton	22.30	23.40	40.93	52.99	53.70	49.80	59.50	71.00	67.10	68.90
Cotton:											
Acreage harvested	1,000 acres	14,616	9,983	11,554	12,527	13,275	12,400	12,831	13,215	13,841	9,729
Production [5]	Mil. bales [6]	14.9	9.6	11.4	12.3	14.4	10.9	14.6	11.1	15.6	12.0
Farm value [1]	Mil. dol	2,312	1,068	2,083	3,659	3,615	3,045	4,391	3,987	4,075	3,329
Yield per acre	Lb	510	463	474	471	520	420	547	404	543	590
Price [2]	Cents per lb	31.0	23.1	38.1	62.0	52.3	58.4	62.5	74.7	54.3	58.0
Tobacco:											
Acreage harvested	1,000 acres	1,126	926	923	945	966	964	827	921	976	908
Production	Mil. lb	2,160	1,854	1,874	1,878	1,914	2,025	1,527	1,786	2,064	1,982
Farm value [1]	Mil. dol	1,311	1,288	1,752	2,446	2,270	2,680	2,154	2,720	3,520	3,498
Yield per acre	Lb	1,919	2,004	2,030	1,987	1,982	2,101	1,845	1,940	2,114	2,183
Price [2]	Dol. per lb	.61	.69	.93	1.30	1.19	1.32	1.41	1.52	1.71	1.77
Sorghum for grain:											
Acreage harvested	1,000 acres	12,131	13,739	14,853	13,419	13,797	13,410	12,901	12,522	13,716	14,247
Production	Mil. bu	548	723	794	722	781	731	809	579	879	841
Farm value [1]	Mil. dol	548	743	1,494	1,577	1,412	1,464	1,880	1,696	2,087	1,856
Yield per acre	Bu	45.1	52.6	53.5	53.8	56.6	54.5	62.7	46.3	64.1	59.0
Price [2] [7]	Dol. per bu	1.00	1.03	1.89	2.18	1.82	2.01	2.34	2.94	2.39	2.22
Rice, rough:											
Acreage harvested	1,000 acres	1,742	2,047	2,231	2,776	2,249	2,970	2,869	3,312	3,792	3,252
Production	Mil. cwt	68	91	101	125	99	133	132	146	183	154
Farm value [1]	Mil. dol	340	455	929	1,219	941	1,087	1,384	1,873	1,654	1,214
Yield per acre	Lb	3,903	4,439	4,525	4,503	4,412	4,484	4,599	4,413	4,819	4,742
Price [2]	Dol. per cwt	5.00	5.01	9.20	9.75	9.49	8.16	10.50	12.80	9.05	7.87
Potatoes:											
Acreage harvested	1,000 acres	1,361	1,428	1,321	1,306	1,360	1,375	1,270	1,154	1,237	1,274
Production	Mil. cwt	272	309	316	345	355	366	342	303	339	349
Farm value [1]	Mil. dol	580	652	1,154	1,382	1,254	1,224	1,172	1,979	1,818	1,589
Yield per acre	Cwt	200	217	239	264	261	267	270	262	274	274
Price [2]	Dol. per cwt	2.13	2.11	3.67	4.01	3.55	3.38	3.43	6.55	5.41	4.59
Oats:											
Acreage harvested	1,000 acres	21,170	17,652	13,706	10,955	13,485	11,126	9,679	8,652	9,415	10,561
Production	Mil. bu	954	886	693	572	753	582	527	458	509	617
Farm value [1]	Mil. dol	604	560	732	775	823	689	714	812	954	896
Yield per acre	Bu	45.1	50.2	50.6	52.2	55.8	52.3	54.4	53.0	54.1	58.4
Price [2]	Dol. per bu	.63	.63	1.05	1.35	1.09	1.20	1.36	1.79	1.89	1.45
Sugar beets:											
Acreage harvested	1,000 acres	1,212	1,329	1,323	1,255	1,216	1,269	1,120	1,190	1,228	1,031
Production	Mil. tons [3]	20.7	23.8	26.4	25.1	25.0	25.8	22.0	23.5	27.5	21.3
Farm value [1]	Mil. dol	248	323	691	745	604	650	745	1,109	804	(NA)
Yield per acre	Short tons	17.1	17.9	19.9	20.0	20.6	20.3	19.6	19.8	22.4	20.6
Price [2]	Dol. per ton	11.98	13.57	26.20	29.68	24.20	25.20	33.90	47.20	29.20	(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; prior to 1970, bales of 500 pounds, gross 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; and *Crop Values*, annual.

No. 1194. Production Costs and Returns for Selected Crops: 1980 to 1982

[In dollars per planted acre. Minus sign (–) indicates net loss]

ITEM	CORN			WHEAT			COTTON		
	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total cash receipts	279.46	260.17	245.51	116.48	119.71	115.93	313.78	325.55	322.94
Total cash expenses	*181.83*	*204.25*	*209.79*	*72.87*	*84.56*	*85.44*	*213.57*	*291.97*	*300.84*
Variable expenses [1]	115.99	131.73	132.55	43.88	50.47	50.32	172.60	207.83	212.04
Fixed expenses [2]	65.84	72.52	77.24	28.99	34.09	35.12	40.97	84.14	88.80
Receipts less cash expenses	97.63	55.92	35.72	43.61	35.15	30.49	100.21	33.58	22.10
Capital replacement	25.29	28.72	31.66	18.15	20.61	22.44	46.23	53.33	55.49
Receipts less cash expenses and capital replacement	72.34	27.20	4.06	25.46	14.54	8.05	53.98	–19.75	–33.39

[1] Includes expenses for seed, fertilizer, lime, chemicals, custom operations, fuel and lubrication, repairs, drying, purchased irrigation water, management fees, storage, and interest paid on operating capital. [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, *1982 Cost of Production.*

No. 1195. Crops—Acreage and Value, 1980 to 1982, and Order of Value, 1981, by States

STATE	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)				Crops in order of value, 1981
	1980	1981	1982, prel.	1980	1981	1982, prel. Value	1982, prel. Rank	
U.S.[1]	**340,535**	**355,731**	**353,780**	**80,266**	**82,124**	**76,910**	(x)	**Corn, soybeans, wheat, hay.**
Ala	4,095	4,642	4,667	614	886	843	31	Soybeans, peanuts, cotton lint, wheat.
Ariz	1,194	1,226	998	988	941	833	32	Cotton lint, lettuce, hay, cottonseed.
Ark	8,398	9,612	9,267	1,571	1,848	1,580	19	Rice, soybeans, cotton lint, hay.
Calif	6,662	6,903	6,312	8,704	8,264	7,524	1	Grapes, cotton lint, hay, rice.
Colo	6,926	6,672	6,553	1,244	1,119	1,036	28	Wheat, corn, potatoes, hay.
Conn	145	146	147	77	71	62	47	Tobacco, hay, apples, sweet corn.
Del	526	547	572	118	120	114	44	Soybeans, corn, potatoes, wheat.
Fla	1,522	1,552	1,567	2,533	2,357	1,926	15	Oranges, sugarcane [2], tomatoes, grapefruit.
Ga	5,635	6,327	6,488	1,044	1,476	1,522	20	Peanuts, soybeans, tobacco, corn.
Hawaii	105	105	96	515	354	138	41	(NA)
Idaho	4,618	4,879	4,733	1,602	1,441	1,336	22	Potatoes, wheat, hay, barley.
Ill	23,988	24,116	23,923	6,308	6,442	6,172	2	Corn, soybeans, wheat, hay.
Ind	12,830	13,040	13,099	3,522	3,001	3,186	7	Corn, soybeans, wheat, hay.
Iowa	25,617	25,851	25,554	7,216	6,739	5,867	3	Corn, soybeans, hay, oats.
Kans	21,641	21,791	22,798	2,861	2,746	2,986	8	Wheat, sorghum, corn, hay.
Ky	5,427	5,872	5,912	1,559	1,925	2,005	14	Tobacco, corn, soybeans, hay.
La	5,272	5,565	5,528	1,242	1,177	1,039	27	Soybeans, rice, cotton, sugarcane.[2]
Maine	405	407	408	221	164	141	40	Potatoes, hay, apples, oats.
Md	1,593	1,649	1,691	382	428	407	35	Corn, soybeans, tobacco, hay.
Mass	164	164	166	104	118	119	43	Cranberries, hay, apples, tobacco.
Mich	7,079	7,362	7,346	1,857	1,784	1,640	17	Corn, hay, dry edible beans, soybeans.
Minn	21,831	22,225	21,779	4,337	4,285	3,998	4	Corn, soybeans, wheat, hay.
Miss	6,403	6,702	6,959	1,189	1,286	1,386	21	Soybeans, cotton lint, rice, wheat.
Mo	14,612	14,823	14,761	2,279	2,574	2,337	10	Soybeans, corn, hay, wheat.
Mont	8,566	9,719	9,658	954	1,066	1,083	26	Wheat, hay, barley, sugar beets.
Nebr	18,885	18,981	18,917	3,554	3,800	3,378	6	Corn, soybeans, hay, wheat.
Nev	571	534	570	136	102	123	42	Hay, potatoes, wheat, barley.
N.H	118	117	117	20	23	26	48	Hay, apples.
N.J	541	547	520	187	218	213	38	Corn, soybeans, peaches, hay.
N. Mex	1,383	1,402	1,432	299	328	306	36	Hay, wheat, cotton lint, sorghum.
N.Y	4,331	4,240	4,176	1,058	1,011	960	29	Hay, corn, apples, potatoes.
N.C	5,413	5,674	5,746	2,045	2,444	2,251	11	Tobacco, corn, soybeans, peanuts.
N. Dak	18,350	22,926	22,748	1,733	2,488	2,231	12	Wheat, sunflower, hay, barley.
Ohio	11,025	10,883	10,985	3,083	2,240	2,510	9	Corn, soybeans, hay, wheat.
Okla	9,969	10,030	10,101	1,145	1,158	1,185	23	Wheat, hay, cotton lint, sorghum.
Oreg	2,740	2,753	2,712	975	925	898	30	Wheat, hay, potatoes, onions.
Pa	4,564	4,647	4,585	1,064	1,205	1,158	24	Hay, corn, mushrooms, apples.
R.I	18	18	17	7	6	6	49	Potatoes, hay, apples.
S.C	2,886	3,148	3,342	599	771	765	34	Tobacco, soybeans, corn, peaches.
S. Dak	14,898	15,810	16,283	1,356	1,556	1,583	18	Corn, hay, wheat, oats.
Tenn	5,395	5,738	5,874	914	1,180	1,154	25	Soybeans, tobacco, corn, wheat.
Tex	22,581	24,364	22,675	3,881	4,500	3,435	5	Cotton lint, sorghum, wheat, hay.
Utah	1,144	1,140	1,141	255	242	238	37	Hay, wheat, barley, potatoes.
Vt	549	540	558	64	69	79	46	Hay, apples, potatoes.
Va	3,009	3,167	3,148	602	907	805	33	Corn, tobacco, hay, soybeans.
Wash	4,771	5,037	4,897	1,774	1,858	1,805	16	Wheat, apples, potatoes, hay.
W. Va	721	754	762	105	102	109	45	Hay, apples, corn, tobacco.
Wis	9,559	9,524	9,670	2,086	2,107	2,207	13	Corn, hay, oats, potatoes.
Wyo	1,860	1,860	1,822	283	272	205	39	Hay, sugar beets, wheat, barley.

NA Not available. X Not applicable. [1] Excludes Alaska. [2] For sugar and seed.

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

No. 1196. Corn—Supply, Disappearance, and Price Support: 1960 to 1982

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

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Supply, total	**5,695**	**5,251**	**5,161**	**6,204**	**6,692**	**7,394**	**8,381**	**9,244**	**8,264**	**9,237**	**10,684**
Production	3,907	4,103	4,152	5,841	6,289	6,505	7,268	7,939	6,645	8,202	8,397
Imports [1]	1	1	4	2	3	3	1	1	1	1	1
Carryover stocks, Oct. 1	1,787	1,147	1,005	361	400	886	1,111	1,304	1,618	1,034	2,286
Disappearance, total	**3,679**	**4,409**	**4,495**	**5,804**	**5,805**	**6,282**	**7,077**	**7,627**	**7,230**	**6,951**	**7,250**
Domestic	3,387	3,722	3,978	4,093	4,121	4,334	4,944	5,194	4,875	4,984	5,300
Feed and residual	3,092	3,362	3,593	3,570	3,571	3,744	4,323	4,519	4,139	4,173	4,400
Food, industry, and seed	295	360	385	523	550	590	621	675	736	811	900
Exports [1]	292	687	517	1,711	1,684	1,948	2,133	2,433	2,355	1,967	1,950
Price support operations: [2]											
Support or target price (dol. per bu.) [3]	1.06	1.25	1.35	1.38	1.57	2.00	2.10	2.20	[4] 2.35	2.40	2.70
National avg. loan rate (dol. per bu.)	1.06	1.05	1.05	1.10	1.60	2.00	2.00	2.10	[5] 2.25	[6] 2.40	[6] 2.55
Quantity placed under loan	637	215	323	147	275	1,155	642	558	840	1,978	1,565
Percent of production	16	5	8	3	4	18	9	7	13	24	19

[1] Includes grain equivalent of corn products. [2] See text, p. 648. [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. 1197. Corn for Grain—Acreage, Production, and Value, by States: 1980 to 1982

[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 (mil. dol.)			Price [2] (dol. per bu.)	
	1980	1981	1982, prel.	1980	1981	1982, prel.	1980	1981	1982, prel.	1980	1981	1982, prel.	1981	1982, prel.
Total	**73,030**	**74,700**	**73,152**	**91**	**110**	**115**	**6,645**	**8,202**	**8,397**	**20,571**	**20,406**	**19,397**	**2.50**	**2.32**
Ala	423	620	450	36	55	66	15	34	30	55	92	70	2.70	2.35
Calif	270	275	330	135	130	130	36	36	43	148	120	137	3.35	3.20
Colo	760	790	830	118	137	133	90	108	110	274	273	287	2.52	2.60
Del	177	181	182	72	85	102	13	16	19	47	41	43	2.65	2.30
Fla	328	327	245	47	55	62	15	18	15	52	51	37	2.85	2.45
Ga	1,300	1,380	815	42	50	85	55	69	69	188	196	173	2.84	2.50
Ill	11,460	11,360	11,380	93	128	134	1,066	1,454	1,525	3,347	3,679	3,584	2.53	2.35
Ind	6,280	6,000	6,320	96	109	129	603	654	815	1,905	1,615	1,794	2.47	2.20
Iowa	13,300	13,850	13,150	110	127	121	1,463	1,759	1,591	4,345	4,239	3,580	2.41	2.25
Kans	1,180	1,175	1,230	94	126	114	111	148	140	368	382	379	2.58	2.70
Ky	1,480	1,490	1,490	70	100	106	104	149	158	347	383	363	2.57	2.30
Md	640	690	660	72	105	107	46	73	71	169	196	163	2.70	2.30
Mich	2,600	2,850	2,820	95	96	109	247	274	307	753	654	676	2.39	2.20
Minn	6,290	6,770	6,500	97	110	113	610	745	735	1,739	1,735	1,579	2.33	2.15
Mo	2,070	1,940	1,970	53	110	104	110	213	205	358	529	482	2.48	2.35
Nebr	7,100	6,880	6,940	85	115	111	604	791	770	1,835	1,986	1,887	2.51	2.45
N.Y	730	800	730	93	93	92	68	74	67	233	199	161	2.68	2.40
N.C	1,730	1,830	1,630	60	77	101	104	141	165	351	378	370	2.68	2.25
N. Dak	290	513	520	58	81	68	17	42	35	48	99	76	2.39	2.15
Ohio	3,900	3,750	4,060	113	96	117	441	360	475	1,379	893	1,045	2.48	2.20
Pa	1,280	1,400	1,300	75	96	97	96	134	126	348	360	296	2.68	2.35
S.C	515	570	340	48	58	90	25	33	31	77	86	67	2.60	2.20
S. Dak	2,300	2,580	2,640	53	70	73	122	181	193	346	415	395	2.30	2.05
Tenn	640	640	650	46	86	94	29	55	61	103	149	144	2.70	2.35
Tex	1,300	1,090	1,140	90	117	105	117	128	120	402	367	353	2.88	2.95
Va	595	625	595	55	90	105	33	56	62	114	152	144	2.70	2.30
Wis	3,350	3,500	3,350	104	108	108	348	378	362	1,031	903	850	2.39	2.35
Other	742	824	885	77	97	110	57	80	97	209	234	262	(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 States.

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

No. 1198. Wheat—Supply, Disappearance, and Price Support: 1960 to 1982

[**In millions of 60-pound bushels, except as noted.** For years beginning **June 1.** For explanation of price support operations, see text, p. 648. See *Historical Statistics, Colonial Times to 1970,* series K 507 and 509-510, for production and stocks]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Supply	**2,747**	**2,238**	**2,336**	**2,564**	**2,817**	**3,161**	**2,955**	**3,060**	**3,279**	**3,791**	**3,980**
Production	1,355	1,316	1,352	2,127	2,149	2,046	1,776	2,134	2,374	2,799	2,809
Imports [1]	8	1	1	2	2	2	1	2	3	3	7
Stocks, June 1, total	1,384	921	983	435	666	1,113	1,178	924	902	989	1,164
Disappearance	**1,245**	**1,577**	**1,513**	**1,898**	**1,704**	**1,983**	**2,031**	**2,158**	**2,290**	**2,627**	**2,430**
Domestic use	591	725	772	726	754	859	837	783	776	854	905
Food [2]	496	518	517	589	588	586	592	596	611	600	610
Seed and feed [3]	95	207	255	137	166	273	245	187	165	254	295
Exports [1]	653	852	741	1,173	950	1,124	1,194	1,375	1,514	1,773	1,525
Price support operations:											
Support or target price per bushel	$1.78	$2.00	$2.82	$2.05	$2.29	$2.90	$3.40	$3.40	$3.63	$3.81	$4.05
Loan rate	$1.76	$1.25	$1.25	$1.37	$2.25	$2.25	$2.35	$2.50	$3.00	$3.20	$3.55
Quantity under support	424	173	254	52	499	591	257	182	331	452	644
Percent of production	31.3	13.1	18.8	2.4	23.2	28.9	14.5	8.5	13.9	16.1	22.9

[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. 1199. Wheat—Acreage, Production, and Value, by States: 1980 to 1982

[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 (mil. dol.)			Price [3] (dol. per bu.)		
	1980	1981	1982 [1]	1980	1981	1982 [1]	1980	1981	1982 [1]	1980	1981	1982 [1]	1980	1981	1982 [1]
Total	**70,984**	**81,013**	**78,841**	**33**	**35**	**36**	**2,374**	**2,799**	**2,809**	**9,278**	**10,225**	**9,516**	**3.91**	**3.65**	**3.39**
Ariz	215	258	143	80	85	87	17.2	21.8	12.4	70	101	44	4.06	4.61	3.57
Ark	865	1,650	1,760	38	41	39	32.9	67.7	68.6	124	238	216	3.78	3.52	3.15
Calif	1,150	1,365	1,125	74	79	73	85.5	107.1	81.6	365	455	309	4.27	4.25	3.79
Colo	3,400	3,108	3,048	32	28	29	110.3	87.9	87.5	398	312	289	3.61	3.55	3.31
Ga	600	1,070	1,480	33	43	33	19.8	46.0	48.8	72	153	149	3.66	3.32	3.05
Idaho	1,550	1,510	1,500	62	60	63	96.0	89.8	94.2	351	325	345	3.66	3.62	3.66
Ill	1,570	1,850	1,500	48	50	45	75.4	92.5	67.5	296	315	206	3.93	3.41	3.05
Ind	1,100	1,350	1,080	49	46	43	53.9	62.1	46.4	208	216	144	3.85	3.48	3.10
Kans	12,000	12,200	13,200	35	25	35	420.0	305.0	462.0	1,588	1,147	1,548	3.78	3.76	3.35
Ky	350	680	675	40	42	39	13.8	28.6	26.3	53	99	84	3.85	3.45	3.20
Md	97	137	136	38	41	45	3.7	5.6	6.1	15	18	19	4.04	3.25	3.05
Mich	800	830	600	44	50	41	35.2	41.5	24.6	127	144	78	3.60	3.47	3.20
Minn	3,169	3,610	3,184	32	40	40	102.6	144.0	127.0	415	536	449	4.04	3.72	3.54
Miss	300	600	1,050	31	40	38	9.3	24.0	39.9	39	78	120	4.20	3.25	3.00
Mo	2,070	2,750	2,230	43	42	34	89.0	115.5	75.8	336	386	220	3.77	3.34	2.90
Mont	5,100	5,820	5,360	24	30	34	119.8	172.8	183.6	496	636	640	4.14	3.68	3.49
Nebr	2,850	2,900	2,900	38	36	35	108.3	104.4	101.5	403	381	330	3.72	3.65	3.25
N. Mex	500	500	530	21	22	25	10.5	11.0	13.3	39	40	44	3.76	3.64	3.30
N.Y	150	160	125	40	44	44	6.0	7.0	5.4	24	23	18	3.93	3.21	3.30
N.C	300	500	600	35	39	36	10.5	19.5	21.6	39	66	65	3.75	3.40	3.00
N. Dak	9,620	11,690	10,490	19	28	32	179.7	332.0	330.8	790	1,176	1,123	4.40	3.54	3.39
Ohio	1,370	1,650	1,250	49	44	44	67.1	72.6	55.0	273	258	173	4.06	3.55	3.15
Okla	6,500	6,400	6,900	30	27	33	195.0	172.8	227.7	747	662	786	3.83	3.83	3.45
Oreg	1,350	1,310	1,200	57	59	54	77.4	77.4	64.5	308	297	255	3.98	3.84	3.95
Pa	250	270	228	37	36	36	9.3	9.7	8.2	38	34	26	4.10	3.50	3.20
S. Dak	3,245	3,820	3,595	19	23	28	62.4	89.0	99.6	265	318	341	4.24	3.57	3.43
Tenn	450	850	935	38	44	36	17.1	37.4	33.7	65	131	101	3.80	3.50	3.00
Tex	5,200	6,550	6,000	25	28	24	130.0	183.4	144.0	482	669	490	3.71	3.65	3.40
Utah	272	265	266	33	36	36	8.9	9.6	9.6	34	35	33	3.85	3.70	3.43
Va	286	390	370	37	44	38	10.6	17.2	14.1	41	57	43	3.87	3.34	3.05
Wash	3,160	3,050	2,840	51	55	49	160.2	168.4	138.9	638	660	556	3.98	3.92	4.00
Wyo	315	284	309	27	30	28	8.6	8.4	8.6	32	29	28	3.72	3.39	3.25
Other	830	1,636	2,232	34	41	36	28.3	67.3	80.0	107	230	245	(x)	(x)	(x)

X Not applicable. [1] Preliminary. [2] 60 pounds per bushel. [3] See footnote 2, table 1197.

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

No. 1200. Soybeans—Supply, Disappearance, and Price Support: 1960 to 1982

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

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Supply, total	**607**	**875**	**1,357**	**1,736**	**1,533**	**1,870**	**2,030**	**2,442**	**2,151**	**2,318**	**2,543**
Production	555	846	1,127	1,548	1,289	1,767	1,869	2,268	1,792	2,000	2,277
Stocks, Sept. 1	52	30	230	188	245	103	161	174	359	318	266
Disappearance, total	**580**	**840**	**1,258**	**1,491**	**1,430**	**1,709**	**1,856**	**2,083**	**1,833**	**2,052**	**2,168**
Crushed	406	538	760	865	790	927	1,018	1,123	1,020	1,030	1,130
Seed, feed and residual [1]	39	52	64	71	76	82	99	85	89	93	88
Net exports	135	251	434	555	564	700	739	875	724	929	950
Percent of total	23.2	29.8	34.5	37.2	39.5	41.1	39.8	42.0	39.5	45.3	43.8
Ending stocks	27	36	99	245	103	161	174	359	318	266	375
Price support:											
Support price per bushel	$1.85	$2.25	$2.25	([2])	$2.50	$3.50	$4.50	$4.50	$5.02	$5.02	$5.02
Quantity under support	26	87	146	([2])	22	97	64	122	133	222	395
Percent of production	4.7	10.3	13.0	(x)	1.7	5.5	3.4	5.4	7.4	11.1	17.4

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. 1201. Soybeans for Beans—Acreage, Production, and Value, by States: 1980 to 1982

[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 (dol. per bu.)			Farm value (mil. dol.)		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total [1]	**67,856**	**66,368**	**70,783**	**26.4**	**30.1**	**32.2**	**1,792**	**2,000**	**2,277**	**7.57**	**6.04**	**5.48**	**13,560**	**12,071**	**12,480**
Ala	2,100	2,020	2,050	15.0	23.0	26.0	32	46	53	7.63	6.08	5.35	240	282	285
Ark	4,350	4,500	4,550	15.0	22.0	24.0	65	99	109	7.91	6.17	5.70	516	611	622
Ga	2,140	2,100	2,550	11.0	19.0	27.0	24	40	69	7.58	6.09	5.45	178	243	375
Ill	9,250	9,250	9,410	33.5	38.0	39.0	310	352	367	7.62	6.15	5.65	2,361	2,162	2,073
Ind	4,380	4,600	4,580	36.0	33.0	40.0	158	152	183	7.58	6.08	5.40	1,195	923	989
Iowa	8,270	8,150	8,550	38.5	40.0	37.5	318	326	321	7.39	5.88	5.45	2,353	1,917	1,747
Kans	1,450	1,510	1,810	16.5	30.0	26.0	24	45	47	7.55	5.80	5.25	181	263	247
Ky	1,600	1,650	1,660	22.5	29.0	32.0	36	48	53	7.75	6.33	5.60	279	303	297
La	3,350	3,130	2,950	20.0	20.5	26.0	67	64	77	7.87	6.37	5.65	527	409	433
Mich	950	970	1,040	32.0	30.0	31.0	30	29	32	7.47	6.02	5.35	227	175	172
Minn	4,760	4,350	4,850	31.5	32.0	36.0	150	139	175	7.23	5.77	5.40	1,084	803	943
Miss	3,850	3,600	3,600	16.0	21.0	26.0	62	76	94	7.81	6.21	5.55	481	469	519
Mo	5,530	5,100	5,850	24.5	30.5	31.5	135	156	184	7.59	6.01	5.35	1,028	935	986
Nebr	1,770	2,070	2,300	30.0	38.0	36.0	53	79	83	7.18	5.75	5.35	381	452	443
N.C	1,930	1,850	2,100	18.0	25.0	25.0	35	46	53	7.83	6.13	5.60	272	284	294
Ohio	3,760	3,500	3,730	36.0	28.5	37.0	135	100	138	7.66	6.18	5.45	1,037	616	752
S.C	1,600	1,550	1,850	13.0	20.0	22.0	21	31	41	7.85	6.17	5.60	163	191	228
Tenn	2,550	2,350	2,350	18.0	26.0	27.0	46	61	63	7.88	6.06	5.50	362	370	349
Tex	630	480	920	22.0	22.0	26.0	14	11	24	7.69	5.69	5.10	107	60	122
Va	610	635	665	15.0	26.5	28.0	9	17	19	7.89	6.09	5.60	72	103	104

[1] Includes States not shown separately.

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

No. 1202. Sorghum Grain—Supply, Disappearance, and Price Support: 1960 to 1982

[**In millions of bushels, except as noted.** For years beginning **Oct.** For explanation of price supports, see p. 648]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Total supply	**1,201**	**1,239**	**927**	**684**	**789**	**762**	**872**	**922**	**969**	**726**	**986**	**1,138**
Production	620	673	683	623	754	711	781	731	809	579	879	841
Carryover stocks	581	566	244	61	35	51	91	191	160	147	109	297
Disappearance	**499**	**848**	**837**	**649**	**738**	**671**	**682**	**763**	**822**	**617**	**691**	**636**
Domestic, total	428	582	693	437	509	425	468	556	497	318	442	436
Feed and residual	415	569	680	426	498	414	456	545	484	307	431	425
Exports	71	266	144	212	229	246	214	207	325	299	249	200
Price support operations:												
Support or target price per cwt	$1.52	$2.00	$2.14	$2.34	$2.34	$2.66	$4.07	$4.07	$4.18	[1] $4.46	$4.55	$4.64
National avg. loan rate per cwt	$1.52	$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
Placed under loan (mil. cwt)	109.3	59.4	17.1	2.2	4.9	11.9	121.4	51.6	35.6	18.1	155.1	134.0
Percent of production	10	20	1	1	1	1	28	13	8	5	32	28

[1] Target price was $4.36 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. 1203. Rice, Rough Equivalent—Supply, Disappearance, and Price Support: 1960 to 1982

[In millions of hundredweight (cwt.), except as noted. For years beginning **August.** Milled rice converted to a rough rice basis. See *Historical Statistics, Colonial Times to 1970,* series K 539, for production]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Supply, total	**67.0**	**84.6**	**101.7**	**120.3**	**135.5**	**152.6**	**139.8**	**160.7**	**163.6**	**172.1**	**199.6**	**203.7**
Farm production	54.6	76.3	83.8	112.4	128.4	115.6	99.2	133.2	131.9	146.2	182.7	154.2
Beginning stocks	12.1	7.7	16.4	7.8	7.1	36.9	40.5	27.4	31.6	25.7	16.5	49.0
Imports	.3	.7	1.4	(z)	(z)	.1	.1	.1	.1	.2	.4	.5
Disappearance, total	**56.9**	**76.4**	**83.0**	**113.2**	**98.6**	**112.1**	**112.4**	**129.1**	**137.9**	**155.6**	**150.6**	**132.2**
Domestic	26.9	30.8	34.4	41.0	40.3	42.7	37.7	49.2	49.2	54.5	59.6	54.0
Food	19.9	23.4	25.1	28.6	27.7	29.2	23.5	33.7	33.2	38.4	42.5	37.3
Industry	4.9	4.7	6.8	8.4	9.1	10.3	9.9	11.2	11.2	11.0	12.7	13.5
Seed	2.1	2.7	2.5	4.0	3.5	3.2	4.3	4.3	4.8	5.1	4.4	3.2
Exports	29.5	43.3	[1] 46.5	69.5	56.5	65.6	72.8	75.7	82.6	91.4	82.0	69.2
Residual [2]	+.5	+2.2	+2.1	+2.7	+1.8	+3.8	+1.9	+4.2	+6.1	+9.7	+9.0	+9.0
Price support operations:												
Target price per cwt.[3]	(x)	(x)	(x)	(x)	(x)	$8.25	$8.25	$8.53	$9.05	$9.49	$10.68	$10.85
Loan rate per cwt	$4.42	$4.50	$4.86	$7.54	$8.52	$6.19	$6.19	$6.40	$6.79	$7.12	$8.01	$8.14
Quantity under support	13.1	10.0	20.8	9.3	21.5	23.4	19.5	27.1	26.1	25.0	42.8	65.3
Percent of production	24.0	13.1	24.8	8.3	16.7	20.2	19.7	20.3	19.6	17.1	23.4	42.3

X Not applicable. Z Less than 50,000. [1] Adjusted on basis of bills of lading presented to U.S. Dept. of Agriculture. [2] Results from losses in drying, storage, handling, and milling and errors in estimation. [3] Represents target price on eligible production.

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

No. 1204. Potatoes—Acreage, Production, and Value, by States: 1980 to 1982

[Excludes Alaska and Hawaii. 1982 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.)		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total	**1,154**	**1,237**	**1,274**	**262**	**274**	**274**	**303**	**339**	**349**	**6.55**	**5.41**	**4.59**	**1,979**	**1,818**	**1,589**
Calif	51	56	56	370	374	376	19	21	21	9.00	10.40	8.90	169	217	187
Colo	42	47	51	297	289	278	13	14	14	6.70	4.70	4.10	84	63	58
Fla	27	30	30	194	220	226	5	7	8	6.85	11.10	8.95	36	73	60
Idaho	300	330	339	266	256	265	80	85	90	5.65	4.75	4.10	451	402	369
Maine	104	104	106	240	255	250	25	27	27	7.25	4.50	3.50	181	119	93
Mich	40	38	41	227	222	236	9	9	10	6.65	6.30	4.75	60	54	46
Minn	69	76	71	166	196	190	11	15	13	8.00	4.90	4.10	92	73	55
Nev	13	12	13	340	290	315	4	3	4	5.20	4.90	3.00	23	17	12
N.Y	44	44	46	252	281	283	11	12	12	8.85	6.15	5.25	98	75	63
N. Dak	112	115	115	140	175	150	16	20	17	6.85	4.05	4.10	107	82	71
Oreg	47	54	53	420	402	402	20	22	21	4.60	4.50	3.75	91	97	79
Pa	22	21	24	190	250	245	4	5	6	7.90	7.05	5.50	33	37	32
Wash	87	108	110	505	490	480	44	53	53	4.40	3.95	3.55	193	209	187
Wis	50	54	65	320	340	350	16	18	23	10.10	4.70	3.95	162	85	89
Other	146	148	154	178	185	195	26	28	30	(x)	(x)	(x)	199	215	188

X Not applicable.

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

No. 1205. Peanuts—Acreage, Production, Value, and Price Support: 1960 to 1982

[Years beginning **August.** See also *Historical Statistics, Colonial Times to 1970,* series K 547-549]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982 [1]
Acreage harvested	1,000	1,395	1,438	1,469	1,500	1,518	1,512	1,509	1,520	1,399	1,493	1,275
Production for nuts	Mil. lb	1,718	2,380	2,983	3,847	3,739	3,715	3,952	3,968	2,301	3,982	3,438
Farmers' stock [2]	Mil. lb	7.2	7.4	2.8	227.0	250.0	54.4	28.7	13.5	63.4	28.3	81.8
Yield per acre	Lb	1,232	1,661	2,030	2,564	2,464	2,456	2,619	2,611	1,650	2,670	2,696
Average price per lb	Cents	10.0	11.4	12.8	19.6	20.0	21.0	21.1	20.6	25.1	26.9	24.9
Value of production	Mil. dol	172	272	383	755	747	781	834	819	578	1,071	856
Support price per lb, quota	Cents	10.1	11.2	12.8	19.7	20.7	21.5	21.0	21.0	22.8	22.8	27.5
Support price per lb, additional	Cents	(x)	(x)	(x)	(x)	(x)	(x)	12.5	15.0	12.5	12.5	10.0
Quantity under support	Mil. lb	352	733	1,084	1,136	854	536	520	709	337	836	539
Percent of production	Percent	20.5	30.7	36.3	29.5	22.8	14.4	13.2	17.9	14.6	21.0	15.7

X Not applicable. [1] Preliminary. [2] Stocks on hand as of beginning of year. Excludes shelled peanuts and cleaned peanuts (roasting stocks).

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

No. 1206. Cotton—Summary: 1960 to 1982

[**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		Consumption [1]	Net exports	Net imports	Beginning carry-over	Average price per pound of upland cotton (cents)	PRICE SUPPORT OPERATIONS [2]		
	Running bales	Equivalent 480-lb. bales						Price per lb. [3] (cents)	Total under support	Percent of production
1960–1964	14,779	14,794	8,676	5,062	134	9,232	31.2	32.8	7,044	48.8
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, prel.	11,528	11,963	5,503	5,313	23	6,632	57.6	57.1	5,000	41.9

[1] Adjusted to cotton season. [2] Data from U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. [3] For 1960–63, support loan for middling 1-inch; 1964–74, support loan plus direct support payment; 1975–82, loan rate for strict low middling 1 1/16", mic. 3.5–4.9. For text on price supports, see p. 648.

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

No. 1207. Cotton—Acreage, Production, and Value, by States: 1980 to 1982

[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)		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total [3]	**13,215**	**13,841**	**9,729**	**404**	**543**	**590**	**11,122**	**15,646**	**11,963**	**3,987**	**4,075**	**3,329**	**74.7**	**54.3**	**58.0**
Ala.	321	372	285	411	545	775	275	422	460	105	113	128	79.2	55.9	57.9
Ariz.	591	633	507	1,158	1,221	1,100	1,426	1,610	1,161	520	442	341	75.9	57.3	61.2
Ark.	645	560	390	330	518	657	444	604	534	163	165	149	76.7	56.8	58.0
Calif.	1,540	1,530	1,370	969	1,109	1,077	3,109	3,535	3,073	1,161	1,079	929	77.8	63.6	63.0
Ga.	160	175	158	258	436	714	86	159	235	32	41	62	77.9	54.3	54.9
La.	560	695	595	394	512	702	460	742	870	172	194	239	77.8	54.5	57.3
Miss.	1,125	1,200	990	498	626	853	1,143	1,565	1,760	419	439	494	76.4	58.4	58.5
Mo.	241	183	151	353	441	648	177	168	204	62	45	59	72.7	56.0	60.4
N. Mex.	127	113	77	430	600	546	114	141	88	45	42	27	82.4	62.4	64.9
N.C.	65	82	70	381	558	699	52	95	102	20	27	30	79.5	58.4	62.0
Okla.	565	640	450	174	330	254	205	440	238	75	87	55	76.6	41.1	47.9
S.C.	120	118	95	309	667	783	77	164	155	29	45	44	79.6	57.7	59.5
Tenn.	275	305	255	349	496	638	200	315	339	75	80	94	78.3	53.1	57.7
Tex.	6,873	7,218	4,320	234	377	303	3,345	5,663	2,763	1,105	1,269	671	68.7	46.7	51.3

[1] Bales of 480 lb net weight. [2] Includes allowance for unredeemed loans in 1980 and 1981. For 1982, average price to Jan. 1, 1983, with no allowance for unredeemed loans. [3] Includes States not shown separately.

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

No. 1208. Tobacco—Production, Disappearance, and Stocks: 1961 to 1982

[**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	1961–1965, avg.	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1975	1976	1977	1978	1979	1980	1981	1982
Production	2,161	1,854	1,874	1,878	2,182	2,137	1,914	2,025	1,527	1,786	2,064	1,982
Domestic disappearance [1]	1,468	1,340	1,308	1,182	1,290	1,229	1,202	1,193	1,175	1,111	1,068	1,033
Exports	563	650	650	692	654	678	693	765	740	658	711	635
Imports [2]	170	220	329	369	391	366	322	376	415	366	335	295
Stocks, end of year [3]	4,182	4,016	3,290	3,450	3,297	3,540	3,560	3,601	3,259	3,289	3,555	3,790

[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. 1209. Tobacco—Acreage, Production, and Value, by States: 1980 to 1982

[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.)		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Total [2]	**921**	**976**	**908**	**1,940**	**2,114**	**2,183**	**1,786**	**2,064**	**1,982**	**1.52**	**1.71**	**1.77**	**2,720**	**3,520**	**3,498**
Conn	3	3	3	1,595	1,764	1,590	5	6	4	6.61	5.80	5.13	35	33	22
Fla	10	10	9	2,130	2,380	2,255	20	23	21	1.45	1.67	1.78	30	38	37
Ga	55	55	50	2,010	2,200	2,110	111	121	106	1.40	1.63	1.80	154	197	189
Ind	7	8	9	2,300	2,265	2,350	17	19	20	1.66	1.81	1.82	28	34	37
Ky	201	235	239	2,094	2,172	2,414	421	510	577	1.64	1.79	1.80	689	913	1,040
Md	23	25	27	1,100	1,320	1,390	25	33	38	1.69	1.75	(3)	43	58	59
N.C	384	374	325	1,987	2,130	2,156	762	796	701	1.47	1.67	1.78	1,119	1,329	1,249
Ohio	11	13	14	1,788	1,745	2,213	20	23	32	1.59	1.71	1.73	32	39	55
Pa	13	13	13	1,900	2,050	1,991	25	27	26	.87	.80	.79	21	22	20
S.C	65	69	59	1,930	2,168	2,105	125	150	124	1.40	1.65	1.77	175	247	219
Tenn	65	79	83	1,728	2,053	2,156	112	161	178	1.61	1.78	1.72	180	287	307
Va	65	73	62	1,835	2,165	2,033	107	159	125	1.46	1.67	1.76	156	266	221
Wis	13	14	10	2,013	1,924	1,994	26	26	20	1.25	1.11	1.04	32	29	21

[1] See footnote 2, table 1193. [2] Includes States not shown separately. [3] Evaluated at 155.9 cents per pound, the average sales through May 4, 1983.

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

No. 1210. Sugar, Beet and Cane—Supply and Disappearance: 1960 to 1982

[In thousands of short tons, raw value]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Total supply	**11,877**	**13,025**	**14,392**	**13,132**	**14,515**	**15,827**	**14,828**	**14,621**	**14,110**	**14,381**	**12,487**
United States production	4,009	5,370	5,874	6,300	6,798	6,089	5,602	5,793	5,736	6,226	5,982
Beet	2,439	3,044	3,511	3,473	4,003	3,423	3,067	3,066	3,052	3,183	3,217
Mainland cane [1]	634	1,108	1,201	1,720	1,745	1,632	1,506	1,667	1,661	1,995	1,770
Hawaii	936	1,218	1,162	1,107	1,050	1,034	1,029	1,060	1,023	1,048	995
Imports	4,885	4,027	5,296	3,882	4,658	6,138	4,683	5,027	4,495	5,025	2,964
Puerto Rico	[2] 903	[2] 834	353	96	203	102	52	47	178	48	80
Beginning stocks	2,080	2,794	2,869	2,854	2,856	3,498	4,491	3,754	3,701	3,082	3,461
Total disappearance	**9,447**	**10,220**	**10,926**	**10,276**	**11,017**	**11,336**	**11,074**	**10,920**	**11,028**	**10,920**	**9,575**
U.S. consumption	9,022	10,080	10,532	10,302	10,893	11,099	10,889	10,756	10,189	9,769	9,342
Exports	46	89	66	216	76	22	16	18	650	1,048	65
Other [3]	379	51	328	−242	48	215	169	146	189	103	168

[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. 1211. Sugar, Beet and Cane—U.S. and World Production and U.S. Prices: 1960 to 1982

[Production in thousands of short tons, raw value]

CROP YEAR	World production		United States production			Price of cane sugar (cents per lb.)		
	Total	Percent U.S.	Beet	Cane		Wholesale, N.Y.		Retail, U.S., granulated
				Mainland [1]	Hawaii	Raw, 96° [2]	Refined	
1960	59,970	6.7	2,475	630	936	6.3	9.3	11.6
1965	68,467	7.5	2,816	1,104	1,218	6.8	10.0	11.8
1970	77,907	7.4	3,322	1,252	1,162	8.1	11.7	13.0
1972	82,760	7.7	3,632	1,620	1,119	9.1	13.1	13.9
1973	88,184	6.5	3,216	1,420	1,129	10.3	14.1	15.1
1974	86,557	6.4	3,021	1,461	1,041	29.5	34.4	32.3
1975	90,035	7.7	4,019	1,827	1,107	22.5	31.4	37.2
1976	95,089	7.0	3,895	1,674	1,050	13.3	19.2	24.0
1977	102,131	5.7	3,108	1,650	1,034	11.0	17.3	21.6
1978	100,601	5.9	3,289	1,583	1,029	13.9	20.9	23.7
1979	93,211	6.0	2,879	1,640	1,060	15.6	23.2	24.9
1980	97,622	6.1	3,149	1,705	1,023	30.1	41.0	42.7
1981	110,997	5.6	3,388	1,785	1,048	19.7	30.7	40.0
1982, prel.	108,731	5.3	2,735	2,046	995	19.9	29.9	34.5

[1] Florida, Louisiana, and, beginning 1974, Texas. [2] Centrifugal. Duty-paid.

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

No. 1212. Sugarcane, Beet and Cane Sugar, and Molasses—Acreage, Production, and Value: 1960 to 1982

[See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres	437	617	584	774	759	744	733	733	755	759
Yield per acre	Tons	37.7	38.4	41.1	36.6	35.3	35.0	36.2	36.8	36.3	39.2
Production	Mil. tons	16.5	23.7	24.0	28.3	26.8	26.0	26.5	27.0	27.4	29.8
Price per ton [1]	Dollars	[2] 7.41	[2] 7.90	[2] 10.50	21.50	17.70	19.50	26.00	38.50	24.90	(NA)
Farm value	Mil. dol	[2] 57	[2] 110	[2] 140	608	474	507	691	1,036	682	(NA)
Sugar produced:											
Beet, raw value [3]	1,000 tons	2,475	2,816	3,322	4,019	3,108	3,289	2,879	3,149	3,388	2,717
Cane, raw value [3]	1,000 tons	1,566	2,322	2,416	2,934	2,684	2,612	2,700	2,728	2,833	3,063
Per ton of cane [3]	Lb	199	204	210	214	209	211	213	213	217	215
Cane, refined basis [4]	1,000 tons	1,464	2,170	2,258	2,743	2,508	2,441	2,524	2,550	2,647	2,863
Molasses made	Mil. gal	101	146	141	183	165	162	165	163	193	177

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, *Crop Production*, annual; and *Crop Values*, annual.

No. 1213. Fruits—Utilized Production and Value, 1980 to 1982, and Leading Producing States, 1982

FRUIT	UTILIZED PRODUCTION [1]				FARM VALUE (mil. dol.)			Leading States in order of production, 1982
	Unit	1980	1981	1982, prel.	1980	1981	1982, prel.	
Apples (34 States) [2]	Mil. lb	8,810	7,706	8,096	763	853	804	Wash, N.Y., Mich.
Peaches	Mil. lb	2,965	2,652	2,109	369	353	304	Calif, S.C., Ga.
Pears	1,000 tons	896	894	804	176	167	147	*Calif., Wash., Oreg.*
Grapes	1,000 tons	5,595	4,457	5,836	1,341	1,322	1,350	Calif., Wash., N.Y.
Cherries, sweet	1,000 tons	166	146	136	92	100	93	Wash., Oreg., Mich.
Cherries, tart	Mil. lb	216	133	245	44	59	35	Mich., N.Y., Wisc.
Plums and prunes (fresh)	1,000 tons	823	774	574	201	177	173	*Calif.*
Oranges and tangerines (4 States)	Mil. boxes [3]	279.9	250.1	182.8	1,364	1,331	1,268	Fla., Calif., Texas
Grapefruit (4 States)	Mil. boxes [4]	73.2	67.9	71.0	303	322	249	Fla., Texas, Calif.
Lemons (2 States) [5]	Mil. boxes [6]	20.8	31.3	24.6	168	151	131	Calif., Ariz.

[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 Calif. and Ariz., approximate average for oranges and tangerines is 75 lb.; Fla. oranges, 90 lb.; Tex. oranges, 85 lb.; and Fla. tangerines, 95 lb. [4] Approximate average, net weight, is 65 lb. in Ariz. and Calif., 85 in Fla., and 80 in Tex. [5] *Includes estimates for Ariz.* [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. 1214. Commercial Vegetable and Other Specified Crops—Area, Production, and Value, 1980 to 1982, and Leading States, 1982

[*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, 1982
	1980	1981	1982	1980	1981	1982	1980	1981	1982	
Beans, snap [4]	255.7	218.3	204.4	704.2	672.2	644.7	110.0	111.4	106.7	Wis., Oreg.
Broccoli	77.9	78.5	92.0	337.7	376.1	441.0	144.6	175.1	211.1	Calif., Tex.
Carrots	72.5	73.9	79.4	977.0	1,023.3	1,171.0	161.9	182.2	198.4	Calif., Tex.
Cauliflower	43.3	46.0	51.4	212.8	260.5	271.1	95.8	125.3	133.7	Calif., N.Y.
Celery	37.3	36.7	36.4	932.8	931.4	957.0	169.9	200.6	194.3	Calif., Fla.
Corn, sweet	552.9	577.9	623.3	2,853.6	3,068.2	3,432.4	265.1	309.9	336.2	Minn., Wis.
Honeydew melons	17.7	19.6	25.2	159.0	171.0	189.9	42.9	52.6	53.3	Calif., Tex.
Lettuce	236.5	224.0	215.5	3,164.9	3,119.1	3,103.1	565.1	677.4	744.9	Calif., Ariz.
Mint for oil	112.6	98.7	80.2	3.4	3.2	2.4	63.9	59.9	48.5	Oreg., Wash.
Onions	113.0	111.6	125.2	1,673.8	1,751.1	2,081.9	346.5	475.4	306.4	Calif., Tex.
Peas, green	321.7	293.1	304.1	484.2	455.1	521.3	101.4	99.1	118.4	Wis., Wash.
Strawberries	35.7	36.6	39.5	350.9	369.9	439.0	288.8	310.3	421.9	Calif., Fla.
Tomatoes	389.5	381.9	416.7	7,481.3	7,024.9	8,648.0	904.2	946.2	1,131.6	Calif., Fla.

[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. 1215. Canned Foods—Production: 1960 to 1981

[**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	1973	1974	1975	1976	1977	1978	1979	1980	1981
Fruits [1]	**97.9**	**103.9**	**99.4**	**96.2**	**103.7**	**91.2**	**88.2**	**93.7**	**85.3**	**96.9**	**95.1**	**79.1**
Apples [2]	3.1	4.1	2.3	3.2	2.2	1.1	1.9	2.0	2.1	2.4	1.6	1.3
Applesauce [2]	11.8	15.9	14.1	15.2	16.6	9.6	8.9	10.7	11.6	12.7	10.6	8.4
Apricots	6.1	5.1	3.8	4.1	2.0	4.4	2.4	2.3	2.1	2.9	3.0	1.2
Berries	.8	.7	.4	.3	.4	.4	.3	.1	.3	.2	.2	.4
Cherries, red, pitted	1.6	2.4	1.0	.6	1.2	1.3	.4	.6	.6	.5	.5	.2
Cherries, sweet	.6	.7	.7	.5	.6	.4	.5	.5	.5	.7	.4	.3
Cranberry sauce [2]	2.2	3.4	3.9	4.7	4.3	3.4	3.5	3.4	3.7	3.6	3.6	3.5
Fruit cocktail [3]	12.8	14.5	13.1	13.4	14.9	13.7	13.6	13.0	11.7	13.8	14.8	11.4
Fruit salad/mixed fruits [3]	1.2	1.2	1.2	1.5	1.8	1.3	1.2	2.2	2.2	3.1	3.2	2.5
Grapefruit sections [2 4]	3.0	2.8	2.3	2.1	1.5	1.1	1.2	1.2	1.3	1.4	1.2	.9
Peaches	30.8	30.0	29.6	24.5	32.4	29.0	24.8	29.2	21.4	25.8	26.8	21.8
Pears	8.5	6.4	8.6	9.8	10.7	9.8	11.5	9.6	9.0	10.6	10.9	9.7
Pineapple [2 5]	15.0	15.0	17.8	15.0	13.9	14.2	17.3	18.4	18.3	18.5	17.1	16.6
Plums [6]	.4	1.7	.8	1.3	1.2	1.4	1.0	.8	.9	.7	1.1	.9
Juices: [2 7]												
Apple	6.2	9.6	14.1	14.8	15.4	15.3	15.4	18.2	24.1	25.8	27.3	21.5
Grapefruit	11.0	13.8	26.0	29.0	21.6	25.8	27.7	26.4	25.1	23.6	19.0	(NA)
Orange	11.5	12.1	15.4	13.8	13.3	13.5	14.4	15.8	18.2	17.8	17.2	(NA)
Orange-grapefruit	3.2	2.9	2.5	1.9	1.7	2.8	1.6	1.9	1.4	1.5	1.1	(NA)
Pineapple [5]	14.4	15.4	13.7	11.4	8.6	8.7	10.2	12.0	11.3	13.6	13.6	(NA)
Tomato [8]	33.0	32.8	30.1	27.8	29.6	29.0	26.5	22.9	27.9	26.0	22.7	14.4
Seasonal vegetables	**175.3**	**204.1**	**208.7**	**235.3**	**242.3**	**249.8**	**217.5**	**237.1**	**233.3**	**265.6**	**230.5**	**227.1**
Asparagus	8.0	7.2	5.9	5.8	5.6	3.6	3.6	3.7	3.4	2.8	2.5	2.8
Beans, green and wax	33.2	45.6	47.6	55.0	62.3	55.4	47.4	54.5	57.1	66.3	58.2	52.8
Beans, lima	3.8	3.0	2.8	3.2	2.5	3.7	2.8	2.7	3.4	3.1	2.8	2.6
Beets [2]	8.8	10.0	11.3	10.9	15.1	13.1	9.2	11.3	13.0	15.1	10.9	9.3
Carrots [2]	5.0	4.5	5.4	6.4	6.9	4.7	5.2	6.6	6.3	7.3	4.4	5.1
Corn, sweet	35.3	39.1	47.0	55.2	46.4	57.5	54.7	56.3	57.9	60.0	50.6	57.9
Greens, leafy	2.9	2.7	3.5	4.0	4.6	3.0	3.1	2.6	2.9	3.2	2.6	2.1
Peas, field	2.1	1.8	2.4	2.8	2.8	2.0	1.9	2.2	2.4	2.5	2.0	2.9
Peas, green	28.7	37.6	28.7	29.6	33.1	35.2	31.9	30.2	25.3	36.5	30.1	27.3
Pimentos	.9	.8	.6	.3	.4	.6	.7	.4	.4	.5	.5	.6
Pumpkin and squash	5.0	3.9	4.0	4.6	4.2	5.8	5.5	3.0	3.4	4.0	3.7	3.9
Spinach [2]	7.8	6.4	7.3	8.9	10.8	8.3	6.3	7.1	6.2	8.1	6.3	5.5
Tomatoes	31.0	36.0	39.0	45.4	43.8	53.5	42.8	54.1	49.2	52.9	53.1	51.9
Other vegetable packs [9]	2.8	5.5	3.2	3.2	3.8	3.4	2.4	2.4	2.4	3.3	2.8	2.4
Nonseasonal vegetables:												
Sweet potatoes [2]	6.9	11.1	9.8	11.4	12.8	7.7	8.0	7.2	9.4	9.2	5.9	8.0
White potatoes [2]	4.2	5.0	6.6	5.7	8.1	6.8	6.2	7.1	6.7	6.5	5.9	7.1
Chili sauce	**1.4**	**1.5**	**1.5**	**1.8**	**1.6**	**1.7**	**2.0**	**1.8**	**2.8**	**2.0**	**2.0**	**1.7**
Tomato puree	**5.4**	**6.5**	**5.9**	**9.9**	**10.3**	**13.8**	**8.4**	**9.8**	**8.4**	**10.4**	**8.1**	**6.9**
Seafood, salmon [10]	(NA)	**3.6**	**3.8**	**1.5**	**1.8**	**1.6**	**2.7**	**3.1**	**3.3**	**3.3**	**4.4**	**4.6**

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

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

No. 1216. Principal Frozen Foods—Production: 1960 to 1982

PRODUCT	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total fruits and vegetables	Mil. lb	2,618	3,672	4,937	6,077	5,780	6,120	6,933	7,103	7,450	6,923	7,598	8,305
Vegetable, excl. potatoes	Mil. lb	1,407	1,800	1,912	2,488	2,212	2,156	2,623	2,712	2,785	2,416	2,736	3,154
Potato products	Mil. lb	551	1,219	2,404	2,985	3,001	3,335	3,623	3,849	4,090	3,853	4,236	4,377
Fruits and berries	Mil. lb	660	653	621	604	567	629	687	543	575	653	626	774
Concentrates, juices and purees	Mil. gal	(NA)	(NA)	(NA)	(NA)	(NA)	201	174	184	197	261	215	180
Seafood	Mil. lb	284	402	388	340	300	552	566	617	605	549	484	480
Poultry	Mil. lb	2,000	2,231	2,160	2,222	2,070	2,359	2,238	2,318	2,606	2,765	3,029	2,783

NA Not available.

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

No. 1217. Livestock—Number on Farms and Value: 1950 to 1983

[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)	105.7	42.7	404	58.8	4.9	83.40	12.4	892	72.08
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	738	56.90
1983, prel.	115.2	46.7	406	53.2	4.8	89.90	11.9	616	51.70

[1] *Excludes Fla., Ga., and S.C.* [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. 1218. Meats—Slaughtering, Production, and Trade: 1960 to 1982

[**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
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
Under Federal inspection	Percent	78	82	89	91	93	93	94	94	94	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
Federally inspected	Percent	78	82	89	90	93	93	94	94	94	95
Exports of U.S. production [2]	Mil. lb	223	250	305	449	586	646	673	642	714	680
Imports for consumption	*Mil. lb*	1,048	1,347	2,429	2,248	2,424	2,656	2,974	2,664	2,333	2,589
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
Under Federal inspection	*Percent*	75	80	87	89	92	93	94	94	94	95
Production, total	Bil. lb	14.7	18.7	21.7	24.0	25.3	24.2	21.4	21.6	22.4	22.5
Federally inspected	Percent	78	82	88	90	92	93	94	94	94	95
Exports of U.S. production [2]	*Mil. lb*	55	91	101	110	167	214	215	220	252	305
Imports for consumption	Mil. lb	760	923	1,792	1,758	1,939	2,297	2,405	2,064	1,743	1,939
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
Under Federal inspection	Percent	61	65	72	72	85	87	89	89	89	90
Production, total	Mil. lb	1,109	1,020	588	873	834	632	434	400	436	448
Federally inspected	*Percent*	56	56	57	57	68	71	73	74	74	76
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
Under Federal inspection	*Percent*	86	88	93	94	96	96	96	96	96	97
Production, total	Mil. lb	768	651	551	410	351	309	293	318	338	365
Federally inspected	Percent	87	88	93	94	94	94	94	94	94	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
Under Federal inspection	Percent	79	83	90	93	96	96	96	96	96	97
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
Federally inspected	Percent	79	84	90	93	94	95	95	95	95	96

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

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

No. 1219. Livestock on Farms, Liveweight Production, Value, and Annual Average Price Received by Farmers: 1960 to 1982

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

PRODUCTION AND PRICE	Unit	1960 [1]	1965	1970	1975	1977	1978	1979	1980	1981	1982
All cattle: On farms	Mil.	96.2	109.0	112.4	132.0	122.8	116.4	110.9	111.2	114.3	115.6
Production [2]	Bil. lb	28.8	34.0	39.4	40.9	40.7	40.0	38.4	40.1	41.4	40.9
Beef, price per 100 lb	Dol.	20.40	19.90	27.10	32.20	34.40	48.50	66.10	62.40	58.60	56.70
Calves, price per 100 lb	Dol.	22.90	22.00	34.50	27.20	36.90	59.10	88.70	76.80	64.00	59.80
Value of production	Bil. dol.	5.9	6.8	10.9	12.8	14.0	19.6	26.0	25.4	23.8	22.7
Hogs and pigs: On farms	Mil.	59.0	50.8	67.3	49.3	56.5	60.4	67.4	64.5	58.7	53.2
Production [2]	Bil. lb	19.2	18.3	21.8	16.8	19.0	19.5	22.6	23.4	21.8	19.4
Price per 100 lb	Dol.	15.30	19.60	22.70	46.10	39.40	46.60	41.80	38.00	43.90	52.30
Value of production	Mil. dol.	2,946	3,573	4,955	7,756	7,485	9,066	9,416	8,847	9,521	10,180
Sheep: On farms	Mil.	33.2	25.1	20.4	14.5	12.7	12.4	12.4	12.7	12.9	13.0
Production [2]	Mil. lb	1,628	1,217	1,099	785	706	687	709	744	770	774
Sheep, price per 100 lb	Dol.	5.60	6.34	7.52	11.30	13.50	21.80	25.80	21.10	21.20	19.50
Lambs, price per 100 lb	Dol.	17.90	22.80	26.40	42.10	51.30	62.80	66.70	63.60	54.90	53.10
Value of production	Mil. dol.	253	257	260	303	320	382	410	401	359	351

[1] Alaska and Hawaii excluded. [2] 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. 1220. Livestock on Farms—Number, By States: 1980 to 1983

[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		
	1981	1982	1983	1981	1982	1983	1981	1982	1983	1980	1981	1982
U.S	**114,321**	**115,604**	**115,201**	**10,860**	**11,012**	**11,066**	**12,936**	**12,966**	**11,904**	**64,512**	**58,688**	**53,230**
Alabama	1,925	1,950	1,910	64	60	55	(2)	(2)	(2)	800	540	480
Arizona	1,075	1,000	1,000	75	80	82	372	377	343	180	170	170
Arkansas	2,200	2,100	1,900	80	84	84	(2)	(2)	(2)	720	585	540
California	4,760	5,000	4,900	909	940	940	1,205	1,210	1,115	180	160	160
Colorado	3,125	3,025	3,040	71	75	75	810	710	750	310	330	290
Florida	2,480	2,350	2,425	187	190	190	(2)	(2)	(2)	370	257	290
Georgia	1,870	1,950	1,875	130	131	130	(2)	(2)	(2)	2,300	1,520	1,400
Idaho	1,990	1,850	1,950	159	168	175	512	498	429	175	150	105
Illinois	2,650	2,800	2,800	230	234	230	184	195	155	6,600	6,450	5,600
Indiana	1,800	1,750	1,700	207	207	204	135	138	118	4,600	4,100	4,200
Iowa	7,350	6,850	6,450	378	389	386	437	485	457	16,100	16,300	14,300
Kansas	6,450	6,000	5,750	123	124	127	220	200	190	1,900	1,770	1,670
Kentucky	2,600	2,600	2,700	243	240	243	26	25	23	1,220	1,040	920
Louisiana	1,360	1,450	1,350	112	102	102	11	10	9	160	130	135
Michigan	1,340	1,450	1,500	390	396	400	124	130	100	830	690	760
Minnesota	3,800	3,880	3,610	880	905	890	295	335	300	5,100	4,300	3,900
Mississippi	1,800	1,950	1,800	97	97	96	(2)	(2)	(2)	410	370	280
Missouri	5,550	5,400	5,500	250	245	252	138	133	116	3,980	3,400	3,500
Montana	2,675	2,900	2,990	29	29	29	595	616	560	250	200	154
Nebraska	6,850	7,250	7,200	121	122	121	250	225	205	3,900	4,100	3,500
Nevada	640	700	650	15	16	16	134	129	110	12	13	14
New Mexico	1,400	1,500	1,450	49	55	58	650	615	610	74	62	38
New York	1,831	1,959	2,025	915	921	935	69	70	63	175	165	100
North Carolina	1,160	1,160	1,100	135	134	131	8	8	8	2,460	1,980	2,050
North Dakota	1,850	2,000	2,100	93	92	94	272	280	222	265	280	210
Ohio	1,815	1,900	1,900	375	382	393	310	313	275	2,150	2,050	1,820
Oklahoma	5,400	5,800	5,350	112	110	110	95	105	117	350	245	180
Oregon	1,750	1,800	1,650	96	97	100	520	540	500	120	90	90
Pennsylvania	2,000	2,100	2,000	718	730	738	105	125	98	980	750	830
South Carolina	625	700	660	48	48	48	(2)	(2)	(2)	700	490	440
South Dakota	4,100	3,900	4,060	155	160	165	780	750	680	1,860	1,710	1,510
Tennessee	2,350	2,500	2,675	215	215	217	11	10	8	1,140	900	750
Texas	13,700	13,700	15,000	320	325	335	2,360	2,400	2,225	930	700	550
Utah	875	920	950	80	86	84	650	636	565	58	40	32
Virginia	1,750	1,850	1,700	172	172	172	160	170	155	750	640	500
Washington	1,450	1,580	1,570	200	207	213	80	83	65	100	60	51
Wisconsin	4,550	4,450	4,400	1,820	1,830	1,830	127	125	99	1,680	1,380	1,220
Wyoming	1,350	1,390	1,475	12	12	12	1,110	1,130	1,060	30	33	29
Other	2,075	2,190	2,136	595	602	604	181	191	175	593	538	462

[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. 1221. Dairying—Cows and Dairy Products: 1960 to 1982

[In millions of pounds, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series K 595–608]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982
Cows and heifers that have calved, kept for milk, Jan. 1 [1] (mil. head)	19.5	17.0	13.3	11.1	11.0	10.9	10.8	10.8	10.9	11.0
Milk produced on farms (bil. lb.)	123	124	117	115	123	122	123	129	133	136
Whole milk sold from farms [2] (bil. lb.)	114	118	113	112	120	119	121	126	131	133
Sales to plants and dealers (bil. lb.)	104	113	110	110	118	117	119	125	129	132
Cash receipts from marketing of milk *and cream* [2] (bil. dol.)	4.8	5.0	6.5	9.9	11.7	12.7	14.7	16.6	18.1	18.3
Sales to plants and dealers (bil. dol.)	4.6	4.8	6.3	9.7	11.5	12.4	14.4	16.3	17.8	18.0
Manufactured dairy products:										
Butter (incl. whey butter)	1,373	1,325	1,137	984	1,086	994	985	1,145	1,228	1,257
Cheese, total [3]	1,478	1,755	2,201	2,811	3,359	3,520	3,717	3,984	4,278	4,540
American (excl. full-skim American)	1,003	1,167	1,428	1,660	2,047	2,079	2,190	2,376	2,642	2,750
Swiss (including block)	121	123	144	174	189	209	213	219	214	221
Muenster, Brick, and Limburger	54	56	59	74	73	78	80	87	82	87
Cream and Neufchatel	106	123	126	160	176	198	212	228	241	263
All Italian varieties	158	244	394	672	793	876	929	983	994	1,088
Cottage cheese: Creamed [4]	799	865	1,038	991	1,017	1,024	998	825	773	749
Curd, pot, and bakers'	594	630	726	701	684	688	669	667	648	629
Condensed bulk milk	1,205	1,346	1,237	1,041	1,091	987	975	952	972	975
Evaporated and condensed canned milk	2,256	1,799	1,293	938	827	798	810	741	778	755
Dry whole milk	98	89	69	63	69	75	85	83	93	102
Nonfat dry milk solids [5]	1,844	2,013	1,456	1,009	1,115	927	915	1,168	1,322	1,411
Dry whey [6]	277	404	621	596	628	711	733	690	779	791
Dry buttermilk	86	87	60	43	53	48	45	44	44	39
Ice cream of all kinds (mil. gal.)	700	757	762	837	810	815	811	830	832	852
Milk sherbet (mil. gal.)	41	45	49	49	50	48	45	45	46	46
Ice milk (mil. gal.)	145	231	287	299	308	310	297	293	291	280
Wholesale prices (cents per lb.):										
Cheese, American:										
40-lb. blocks, Wis. assembly points	(NA)	38.4	55.0	86.6	96.8	107.1	123.8	133.0	139.4	138.3
Single daisies, Chicago	41.4	45.0	64.9	104.4	118.7	130.1	141.4	156.2	167.2	168.4
Butter, N.Y. (Grade A)	59.9	61.0	70.4	81.8	101.5	114.1	127.2	144.8	(NA)	(NA)
Prices received by farmers, whole milk:										
Wholesale, per 100 lb. (dol.)	4.21	4.23	5.71	8.75	9.72	10.60	12.00	13.00	13.80	13.60
Sold directly to consumers (cents per qt.)	21.7	22.3	27.0	35.4	36.7	38.8	42.3	45.3	48.3	48.1

NA Not available. [1] Prior to 1975, 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. 1222. Whole Milk Sold—Quantity and Cash Receipts, by States: 1980 to 1982

[Covers sales of milk to plants and dealers]

STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)		
	1980	1981	1982	1980	1981	1982
U.S.	**124,717**	**129,237**	**132,145**	**16,274**	**17,797**	**17,983**
Ala.	575	595	572	83	87	84
Ariz.	1,020	1,120	1,200	137	158	167
Ark.	712	757	795	96	110	114
Calif.	13,170	13,830	14,160	1,696	1,857	1,871
Colo.	775	845	880	109	126	130
Conn.	585	600	620	80	87	89
Fla.	2,009	2,069	2,094	317	348	343
Ga.	1,346	1,376	1,395	188	202	201
Idaho	1,875	2,090	2,190	229	268	278
Ill.	2,507	2,569	2,616	323	355	353
Ind.	2,178	2,249	2,300	283	310	313
Iowa	4,000	4,205	4,185	504	559	552
Kans.	1,300	1,365	1,326	170	191	186
Ky.	2,130	2,191	2,280	273	298	308
La.	975	960	925	137	143	136
Maine	645	680	710	90	101	104
Md.	1,495	1,544	1,568	203	221	220
Mass.	530	540	555	73	79	80
Mich.	4,870	4,995	5,145	643	689	700
Minn.	9,465	9,990	10,270	1,174	1,307	1,333
Miss.	795	840	880	110	121	125
Mo.	2,780	2,840	2,864	350	381	381
Nebr.	1,281	1,370	1,330	163	184	177
N.H.	330	330	347	45	48	50
N.J.	466	467	467	62	66	65
N.Y.	10,670	10,755	10,835	1,387	1,484	1,484
N.C.	1,540	1,560	1,636	216	234	240
N. Dak.	904	960	970	107	121	121
Ohio	4,220	4,310	4,460	549	595	614
Okla.	1,065	1,105	1,120	145	159	161
Oreg.	1,070	1,125	1,205	140	156	166
Pa.	7,930	8,365	8,755	1,078	1,188	1,226
S.C.	515	525	540	75	82	83
S. Dak.	1,635	1,740	1,740	203	224	226
Tenn.	2,150	2,210	2,230	286	307	303
Tex.	3,540	3,575	3,680	492	529	537
Utah	985	1,060	1,110	123	139	143
Vt.	2,240	2,250	2,315	300	322	326
Va.	1,952	1,993	2,035	260	281	283
Wash.	2,785	2,870	3,070	354	387	408
W. Va.	322	330	327	42	46	44
Wis.	21,845	22,460	22,680	2,768	3,005	2,998
Other	1,535	1,627	1,743	214	242	256

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Milk: Production, Disposition, and Income, 1979–81.*

No. 1223. Poultry—Number on Farms, Value, Eggs Produced, and Prices: 1960 to 1982

[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
Chickens: [1] Number [2]	Million	369	394	433	380	387	397	401	392	385	379
Value, total [2]	Mil. dol	391	462	525	660	652	696	726	739	727	701
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
Number produced	Million	260	240	264	233	245	242	251	241	242	246
Production value	Mil. dol	139	101	107	105	145	142	171	129	132	121
Price per lb	Cents	12.2	8.9	9.1	9.9	12.3	12.4	13.9	11.0	11.1	10.3
Eggs: Number produced	Mil. doz	5,134	5,463	5,684	5,386	5,384	5,596	5,767	5,807	5,819	5,807
Price per dozen	Cents	36.1	33.7	39.1	52.4	55.6	52.2	58.3	56.3	63.1	59.5
Production value	Mil. dol	1,848	1,841	2,221	2,819	2,995	2,921	3,360	3,268	3,671	3,457
Broilers: [3] Number produced	Million	1,795	2,334	2,967	2,950	3,394	3,614	3,951	3,964	4,150	4,151
Price per lb	Cents	16.9	15.0	13.6	26.3	23.6	26.3	26.0	27.7	28.5	26.9
Production value	Mil. dol	1,014	1,217	1,475	2,915	3,059	3,676	4,032	4,304	4,703	4,506
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
Value, total [2]	Mil. dol	28	27	18	33	35	42	50	53	54	50
Value per head [2]	Dollars	4.89	4.40	5.82	10.81	11.39	12.53	13.58	14.11	15.35	14.60
Turkeys, number raised	Million	84	106	116	124	136	139	156	165	171	165
Gross income	Mil. dol	377	424	498	793	910	1,157	1,214	1,268	1,247	1,254
Price per lb	Cents	25.4	22.2	22.6	34.8	35.5	43.6	41.1	41.3	38.2	39.5

[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. 1224. Poultry—Production, by States: 1980 to 1982

[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		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
U.S	241.2	242.1	246.1	3,964.5	4,149.8	4,151.3	4,767.3	4,870.8	4,890.0	164.7	170.8	165.5
Ala	13.3	13.2	12.5	494.7	519.3	500.2	600.8	620.4	628.5	-	-	-
Ark	19.6	19.1	21.5	634.9	675.1	668.5	741.8	775.5	780.9	14.5	15.1	13.0
Calif	21.2	19.5	21.7	152.4	158.8	167.4	209.0	214.7	222.9	20.8	21.8	20.0
Conn	3.3	2.9	3.3	-	-	-	-	(D)	(D)	-	-	-
Del	.8	.9	1.0	166.7	169.6	177.8	124.4	126.7	139.3	.3	.2	.2
Fla	8.8	11.2	8.6	87.1	92.4	97.2	151.0	155.4	150.6	-	-	-
Ga	20.3	20.0	19.9	573.9	614.7	610.7	670.1	683.7	677.2	2.4	2.7	2.7
Ill	4.0	3.8	3.7	-	-	-	11.9	10.4	10.7	.5	.4	.3
Ind	14.7	14.9	16.6	(D)	(D)	(D)	60.6	40.4	42.3	6.2	6.6	6.8
Iowa	8.3	7.4	7.4	3.0	3.1	3.3	18.0	24.5	22.3	6.6	7.1	7.7
Ky	1.9	1.9	1.7	3.2	3.1	2.9	(D)	(D)	(D)	-	-	-
La	2.3	2.2	2.2	99.0	104.3	(D)	(D)	(D)	(D)	-	-	-
Maine	4.7	5.2	4.7	(D)	(D)	(D)	83.6	(D)	(D)	-	-	-
Md	1.8	3.0	4.4	236.9	253.3	267.2	303.1	321.3	342.1	.1	.1	.1
Mass	1.2	1.5	.8	-	-	-	(D)	(D)	(D)	.1	.1	.1
Mich	4.6	5.0	4.4	1.6	1.1	1.2	9.5	9.3	5.2	1.5	1.6	1.4
Minn	7.9	7.3	8.9	19.4	21.5	23.7	44.8	39.3	43.3	25.5	25.7	26.0
Miss	6.1	5.8	5.4	276.0	290.1	298.6	292.0	291.1	304.7	-	-	-
Mo	5.4	6.1	5.6	23.6	26.1	(D)	17.8	16.9	15.7	12.4	12.0	12.0
N.Y	7.3	7.1	6.7	.6	.5	.6	10.5	7.5	5.8	.3	.3	.3
N.C	12.4	11.8	11.5	399.6	423.2	418.6	452.2	450.0	448.2	24.3	26.8	27.0
Ohio	7.9	8.5	10.3	14.6	12.8	13.5	(D)	(D)	(D)	2.3	2.5	2.7
Okla	1.5	2.4	2.2	45.0	50.9	51.2	1.2	1.3	1.1	2.2	1.6	2.1
Oreg	2.3	1.8	2.0	17.1	18.2	16.0	37.3	8.7	(D)	1.2	1.4	1.1
Pa	14.9	16.6	16.8	111.6	115.1	114.9	160.1	162.8	172.5	5.5	5.7	5.3
S.C	5.3	4.9	5.1	43.1	43.6	48.0	49.2	51.1	54.2	3.2	2.9	2.6
Tenn	3.9	2.0	2.7	66.9	64.5	(D)	28.7	28.2	(D)	-	-	-
Tex	9.3	10.0	11.2	221.1	231.7	222.5	268.1	292.9	275.1	7.8	7.3	5.2
Va	3.4	3.2	3.2	126.4	133.8	140.1	160.4	171.1	172.4	10.1	10.0	10.1
Wash	4.8	4.8	4.5	20.6	21.9	21.8	22.4	(D)	(D)	-	-	-
W. Va	.9	.6	.7	21.8	25.0	26.1	(D)	(D)	(D)	2.3	2.1	2.1
Wis	2.9	3.3	2.4	11.4	12.5	11.7	(D)	(D)	(D)	5.0	6.0	6.7
Other	14.3	14.3	12.7	92.3	63.6	247.6	(D)	368.0	375.0	9.6	10.8	10.0

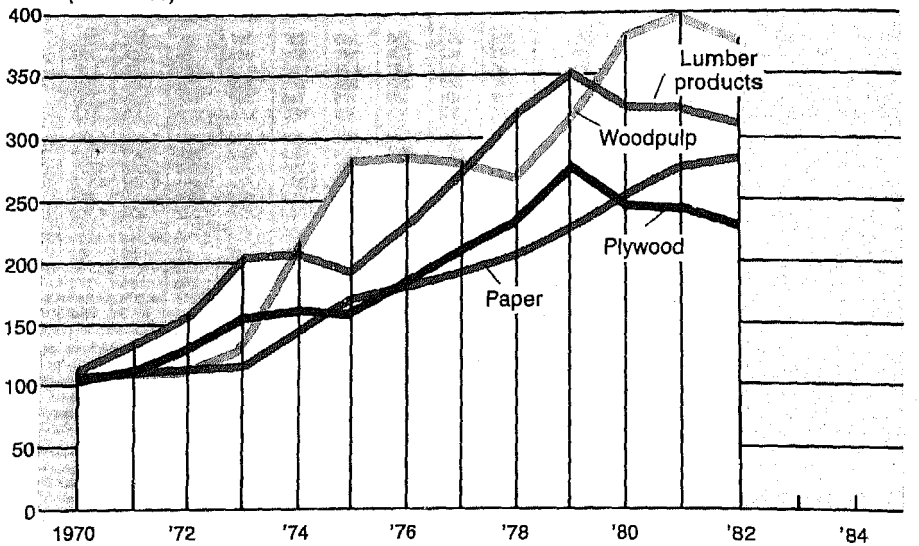
- Represents zero. D Withheld to avoid disclosure. [1] By commercial hatcheries.

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 1982

Index (1967 = 100).

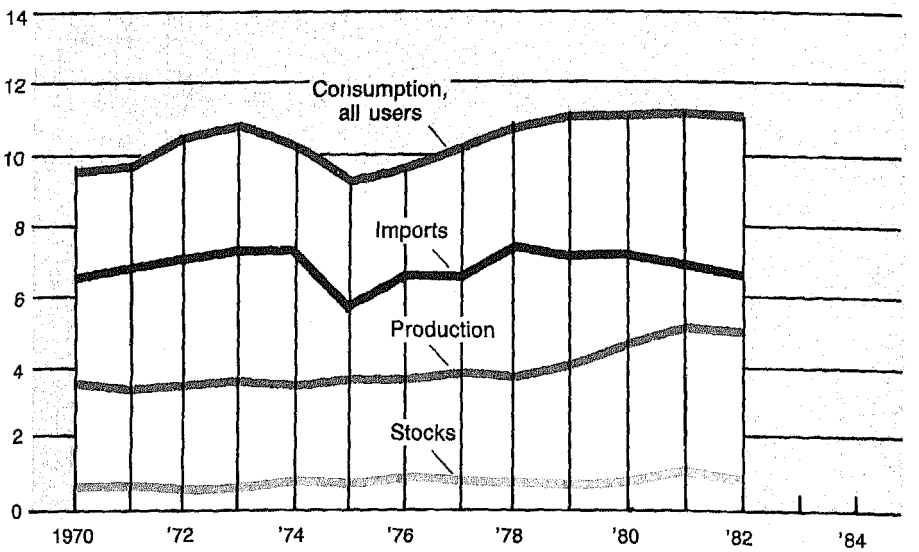


Source: Chart prepared by U.S Bureau of the Census. For data, see table 1234.

Figure 25.2

Newsprint—Production, Stocks, Consumption, and Imports: 1970 to 1982

Millions of short tons



Source: Chart prepared by U.S Bureau of the Census. For data, see table 1240.

1984

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, 1950–82; 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, N.Y.

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. 1225. National Forest Lands and Purchases: 1950 to 1982

[Area as of **June 30** except, beginning **1979**, 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	1979	1980	1981	1982
Gross area [1]	Mil. acres	229	236	227	226	226	226	226	226	230	230
National Forest System	Mil. acres	181	188	186	187	187	188	187	187	191	191
Approved for purchase	1,000 acres	61	19	8	29	92	12	58	42	111	2
Average price per acre	Dollars	9	10	15	47	125	275	520	664	454	675
Total price	Mil. dol	.5	.2	.1	1.3	11.5	3.3	30.2	27.9	50.4	1.5
Purchases completed	1,000 acres	97	12	8	33	113	34	37	27	83	13
Average price per acre	Dollars	7	12	31	39	96	267	616	617	530	409
Total price	Mil. dol	.7	.1	.2	1.3	10.9	9.1	22.3	17.1	44.0	5.2
Gross area of purchase units	Mil. acres	53	62	56	56	56	56	56	56	56	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	12	14	14
Total price	Mil. dol	71	73	75	79	125	179	233	250	278	284

[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. 1226. National Forest System—Summary: 1960 to 1982

[Through **1977**, 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	1977	1978	1979	1980	1981	1982
Timber cut, total value	Mil. dol	157.1	161.9	308.6	368.4	735.9	858.5	973.0	736.6	728.9	348.7
Commercial and cost sales: [1]											
Volume	Mil. bd. ft	9,367	11,244	11,527	9,174	10,482	10,080	10,377	9,178	8,036	6,747
Value	Mil. dol	156.4	161.1	307.6	366.0	732.5	854.7	968.0	729.8	720.9	339.2
Free use:											
Volume	Mil. bd. ft	123	191	179	618	1,028	1,221	1,637	2,070	2,107	2,343
Value [2]	Mil. dol	.2	.3	.3	1.1	2.4	2.6	3.8	5.7	6.4	7.5
Misc. forest products	Mil. dol	.5	.5	.7	1.4	1.0	1.2	1.1	1.1	1.6	2.0
Livestock grazing: [3]											
Cattle and horses [4]	1,000	1,307	1,376	1,607	1,626	1,587	1,557	1,540	1,521	1,535	1,562
Sheep and goats	1,000	2,574	2,112	2,105	1,549	1,473	1,284	1,249	1,328	1,341	1,340
Roads and trails:											
Road construction [5]	Miles	851	1,613	942	136	1,021	793	820	925	1,217	(NA)
Trail construction [5]	Miles	142	671	278	298	[6] 1,222	[6] 2,119	[6] 1,390	[6] 2,419	[6] 727	(NA)
Expenditures	Mil. dol	43.2	105.5	155.1	157.7	247.5	279.6	292.0	266.5	(NA)	(NA)
Receipts, total	Mil. dol	148.2	149.2	299.7	373.1	691.6	765.4	881.0	702.9	680.7	350.2
Timber use	Mil. dol	140.1	138.8	283.9	341.3	652.1	723.3	827.6	625.4	581.4	251.0
Grazing use	Mil. dol	4.5	3.5	4.4	7.7	11.4	11.0	12.5	15.8	14.9	12.4
Special land use, etc	Mil. dol	3.6	6.9	11.4	24.1	28.1	31.0	40.9	61.6	84.4	86.7
Payments to local gov't. [7]	Mil. dol	36.1	36.2	72.8	91.0	225.9	240.6	279.2	236.9	238.0	145.4
25-percent fund [8]	Mil. dol	35.4	35.5	71.9	89.8	224.1	238.9	277.0	233.6	230.5	132.6
Other [9]	Mil. dol	.7	.7	.9	1.2	1.8	1.7	2.3	3.3	7.6	12.8
Allotments to Forest Service, total [10]	Mil. dol	14.9	15.0	29.5	39.5	75.1	83.0	93.9	73.1	68.2	35.2
Roads and trails	Mil. dol	14.2	14.2	28.8	35.9	66.0	73.5	84.2	65.5	60.9	29.4
Other	Mil. dol	.7	.8	.8	3.6	9.0	9.5	9.7	7.6	7.3	5.8

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; 1977-1982 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 1977. [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 Minn., 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. 1227. 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 1228]

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	499	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 1228. [2] Includes Indian land. [3] See footnote 3, table 1228.

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

No. 1228. Forest Land Area, Commercial Area Ownership, and Volume of Sawtimber and Growing Stock, by States: 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**
Conn	1,861	1,806	2	144	1,659	5,870	1,305	2,662	425
Maine	17,718	16,864	73	468	16,323	36,118	25,232	22,604	16,060
Mass	2,952	2,798	10	356	2,432	7,868	4,168	3,893	1,439
N.H	5,014	4,692	472	108	4,112	14,564	8,607	7,286	3,526
R.I	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**
Del	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
N.J	1,928	1,857	28	291	1,538	3,127	575	1,534	251
N.Y	17,218	14,243	58	835	13,351	26,088	7,771	13,256	3,523
Pa	16,826	15,924	503	2,968	12,453	34,251	3,714	23,403	1,778
W. Va	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**
Mich	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
Minn	16,709	13,695	2,336	4,992	6,367	24,607	8,531	11,454	3,477
N. Dak	422	405	114	10	281	474	–	257	(z)
S. Dak. (east)	335	223	74	3	146	448	66	134	23
Wis	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**
Ill	3,810	3,692	269	11	3,413	7,094	30	2,180	24
Ind	3,943	3,815	239	171	3,405	10,967	255	3,758	87
Iowa	1,561	1,460	57	56	1,348	3,419	14	1,038	6
Kans	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
Nebr	1,029	789	67	12	710	1,737	510	442	119
Ohio	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**
N.C	20,043	19,562	1,365	398	17,799	76,794	35,375	26,131	10,742
S.C	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**
Fla	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	80,528	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**
Ala	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
Miss	16,716	16,504	1,216	461	14,828	60,642	35,370	17,234	8,929
Tenn	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**
Ark	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
Okla	8,513	4,323	463	105	3,755	6,067	3,576	2,062	1,010
Tex	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**
Alaska	119,145	11,150	8,423	2,438	289	188,858	184,406	43,073	40,620
Oreg	29,810	24,211	14,201	926	9,084	431,172	414,186	79,554	74,735
Wash	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**
Calif	40,152	16,303	8,569	106	7,628	263,669	255,594	49,668	45,975
Hawaii	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**	**257,567**	**68,699**	**67,942**
Idaho	21,727	13,541	9,640	880	3,021	139,618	139,050	31,884	31,662
Mont	22,559	14,359	9,260	534	4,565	97,334	96,238	27,977	27,691
S. Dak. (west)	1,367	1,244	958	70	215	5,615	5,597	1,643	1,627
Wyo	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**
Ariz	18,494	3,896	3,696	34	166	22,711	22,063	4,982	4,763
Colo	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
Nev	7,683	134	61	5	69	1,388	1,363	262	249
N. Mex	18,060	5,538	3,439	171	1,927	25,919	24,346	6,395	5,796
Utah	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.

407-925 0 – 84 – 46 : QL 3

No. 1229. National Forest Lands—States and Other Areas: 1982

[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	**229,970**	**190,840**	**39,130**	Nev	5,424	5,150	274
				N.H	819	705	114
Ala	1,274	644	630	N. Mex	10,383	9,347	1,036
Alaska	24,018	23,119	899	N.Y	13	13	-
Ariz	11,936	11,272	664	N.C	3,165	1,213	1,952
Ark	3,502	2,479	1,023	N. Dak	1,106	1,106	(z)
Calif	24,288	20,413	3,875	Ohio	834	177	657
Colo	16,014	14,431	1,583	Okla	461	294	167
Conn	(z)	(z)	-	Oreg	17,455	15,617	1,838
Fla	1,225	1,099	126	Pa	743	511	232
Ga	1,911	865	1,046	S.C	1,382	610	772
Hawaii	(z)	(z)	-	S. Dak	2,348	1,998	350
Idaho	21,701	20,428	1,273	Tenn	1,212	625	587
Ill	840	262	578	Tex	1,994	783	1,211
Ind	645	188	457	Utah	9,129	8,046	1,083
Kans	117	109	8	Vt	629	294	335
Ky	2,102	673	1,429	Va	3,226	1,628	1,598
La	1,023	598	425	Wash	10,039	9,054	985
Maine	94	52	42	W. Va	1,861	971	890
Mich	4,873	2,757	2,116	Wis	2,023	1,502	521
Minn	5,467	2,800	2,667	Wyo	9,717	9,254	463
Miss	2,310	1,141	1,169				
Mo	3,082	1,468	1,614	Puerto Rico	56	28	28
Mont	19,087	16,764	2,323	Virgin Islands	(z)	(z)	-
Nebr	442	352	90				

- Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1225.

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

No. 1230. Wildfires—Summary: 1960 to 1980

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

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980
ACREAGE (1,000)									
Protected area: Federal [1 2]	362,836	655,001	647,239	677,949	680,243	681,564	680,185	680,223	680,261
Area burned [1]	622	146	719	403	519	802	202	1,237	751
State and private [3 4]	402,800	472,023	520,501	726,356	737,228	748,692	773,772	783,609	805,927
Area burned	1,909	1,206	1,541	1,119	2,119	2,096	1,553	1,317	2,348
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	101,192	98,501	93,972	89,518	115,204
Area burned	1,947	1,300	1,019	(NA)	2,472	(NA)	2,156	433	2,162
REPORTED FIRES (1,000)									
Total	103.4	113.7	121.7	134.9	241.7	174.0	218.8	163.2	234.9
On protected areas [4]	89.6	100.6	116.4	103.3	172.8	158.9	144.9	118.3	[5] 155.7
Federal area [6]	[7] 12.1	9.1	15.0	12.3	15.8	16.3	14.1	13.9	14.6
State and private	91.3	104.6	106.8	122.6	225.9	157.7	204.8	149.3	220.3
Protected	77.5	91.5	101.5	91.0	157.0	142.6	130.8	104.4	141.0
Unprotected	13.8	13.1	5.3	31.6	68.9	15.1	74.0	44.9	79.2
Cause of fires: [6]									
Incendiary (arson)	21.2	26.9	30.9	28.2	51.3	45.3	46.2	32.5	45.2
Debris burning	21.9	22.9	28.3	18.2	38.9	36.1	31.5	26.6	35.5
Smoking	16.0	16.5	14.5	10.5	17.7	15.4	13.2	10.2	12.6
Lightning	11.1	8.7	12.8	9.4	11.7	15.8	10.8	9.6	11.3
Caused by children	(NA)	(NA)	7.7	10.8	14.4	13.1	11.6	11.2	11.8
Railroads	3.9	([8])	6.8	5.2	10.8	8.1	6.9	5.5	7.2
Equipment use	(NA)	(NA)	3.4	4.6	7.7	6.7	7.1	7.2	9.2
Campfires	3.6	3.4	3.8	4.0	5.1	4.6	4.3	3.8	4.2
Miscellaneous [9]	12.0	22.1	8.1	12.4	15.2	13.7	13.3	11.7	16.7
FIRE PROTECTION EXPENDITURES [3 10] (mil. dol.)									
Total funds	56.6	76.6	113.5	169.0	189.8	217.0	212.0	216.2	(NA)
Federal	9.4	12.8	16.4	25.2	22.6	20.7	30.0	30.6	22.7
State and county	45.1	62.6	95.3	143.9	167.1	196.3	182.0	185.6	[11] 220.7
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 Puerto Rico not reported by cause. [6] For protected areas only. [7] Excludes nonforested 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 1976; thereafter, ending Sept. 30. [11] State funds only.

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

No. 1231. Timber-Based Industries—Employment and Average Hourly Earnings: 1970 to 1982

[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	1979	1980	1981	1982	1970	1975	1979	1980	1981	1982
Lumber and wood products [1]	554	517	654	578	553	494	2.96	4.26	6.07	6.55	6.99	7.46
Logging camps and contractors	(NA)	59	73	71	64	58	(NA)	5.28	7.97	8.64	9.11	9.96
Sawmills and planing mills	196	180	212	190	179	157	2.84	4.34	6.32	6.70	7.19	7.72
Millwork, plywood, and structural members	(NA)	137	190	164	159	143	(NA)	4.26	5.95	6.41	6.89	7.34
Paper and allied products	543	480	536	523	518	493	3.44	5.01	7.13	7.84	8.60	9.32
Furniture and fixtures	362	337	406	376	374	343	2.77	3.78	5.06	5.49	5.91	6.31

NA Not available. [1] Excludes furniture.

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

No. 1232. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1960 to 1981

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

ITEM	1960	1965	1970	1974	1975	1977	1978	1979	1980	1981, prel.
Industrial roundwood:										
Domestic production [1]	8,920	10,555	11,105	11,540	10,575	11,960	12,235	12,510	11,640	10,800
Softwoods	6,930	8,130	8,635	8,815	8,380	9,430	9,515	9,695	8,830	8,070
Hardwoods	1,995	2,430	2,470	2,725	2,195	2,535	2,725	2,815	2,815	2,725
Imports	1,680	2,105	2,430	2,755	2,220	3,310	3,755	3,655	3,250	3,160
Exports	455	740	1,540	1,805	1,685	1,795	1,845	2,135	2,350	2,145
Consumption [2]	10,145	11,925	11,995	12,490	11,105	13,475	14,145	14,030	12,550	11,815
Softwoods	8,065	9,380	9,425	9,710	8,875	10,835	11,325	11,155	9,870	9,195
Hardwoods	2,080	2,545	2,565	2,780	2,230	2,640	2,825	2,875	2,680	2,615
Lumber:										
Domestic production	[3] 5,080	5,665	5,215	5,095	4,890	5,730	5,825	5,680	4,860	4,460
Imports	610	815	955	1,115	930	1,675	1,910	1,800	1,540	1,490
Exports	135	145	195	270	255	260	275	335	395	380
Consumption	5,560	6,335	5,970	5,940	5,565	7,140	7,460	7,145	6,010	5,565
Plywood and veneer:										
Domestic production	705	1,030	1,020	1,150	1,165	1,425	1,460	1,370	1,175	1,195
Imports	60	100	170	155	170	210	230	195	120	145
Exports	(z)	5	15	50	70	35	45	45	45	70
Consumption	765	1,125	1,170	1,255	1,265	1,600	1,645	1,520	1,245	1,265
Pulp products:										
Domestic production	2,575	3,095	3,835	4,220	3,485	3,845	3,745	4,110	4,390	4,130
Imports	985	1,175	1,280	1,470	1,105	1,395	1,595	1,630	1,565	1,510
Exports	275	380	720	805	715	725	720	805	1,070	1,040
Consumption	3,290	3,890	4,400	4,885	3,875	4,320	4,625	4,935	4,885	4,600
Logs: Imports	20	15	25	15	15	30	20	25	25	20
Exports	45	205	465	455	455	525	585	665	560	435
Pulpwood chips, exports	-	5	145	230	195	250	225	280	275	220
Other industrial prod.[4] consumption	510	560	425	395	385	385	395	405	380	360
Fuelwood consumption	**1,300**	**915**	**540**	**535**	**570**	**1,030**	**1,570**	**2,270**	**3,115**	**3,510**

– 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. 1233. Timber Products—Per Capita Consumption: 1960 to 1981

[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	1974	1975	1977	1978	1979	1980	1981, prel.
All products	**Cu. ft**	**63.3**	**66.1**	**61.1**	**60.9**	**54.1**	**65.9**	**70.6**	**72.4**	**68.8**	**66.7**
Industrial roundwood	Cu. ft	56.1	61.4	58.5	58.4	51.4	61.2	63.5	62.3	55.1	51.4
Lumber	Cu. ft	30.8	32.6	29.1	27.8	25.8	32.4	33.5	31.7	26.4	24.2
Plywood and veneer	Cu. ft	4.2	5.8	5.7	5.9	5.9	7.3	7.4	6.8	5.5	5.5
Pulp products	Cu. ft	18.2	20.0	21.4	22.8	17.9	19.6	20.8	21.9	21.4	20.0
Other products	Cu. ft	2.8	2.9	2.1	1.8	1.8	1.7	1.8	1.8	1.7	1.6
Fuelwood	Cu. ft	7.2	4.7	2.6	2.5	2.6	4.7	7.1	10.1	13.7	15.3
Lumber	Bd. ft	199	212	193	188	171	213	219	209	174	160
Plywood and veneer	Bd. ft	25	35	34	33	32	39	40	37	30	30
Pulp products	Cords (128 cu. ft.)	.2	.3	.3	.3	.2	.2	.3	.3	.3	.3

Source of tables 1232 and 1233: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-82*, annual.

No. 1234. Selected Timber Products—Producer Price Indexes: 1960 to 1982

[1967=100. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

PRODUCT	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Lumber products	**92**	**94**	**114**	**205**	**207**	**193**	**233**	**277**	**322**	**354**	**326**	**325**	**311**
Softwood lumber	93	93	113	214	211	201	248	297	346	380	345	343	322
Douglas fir	89	92	109	210	214	212	251	291	340	384	353	312	266
Southern pine	94	91	115	188	185	175	217	263	305	324	297	292	286
Ponderosa pine, #3 boards	104	94	116	264	248	211	271	340	385	466	422	(NA)	(NA)
Hardwood lumber	91	97	115	169	190	160	176	200	236	260	252	255	262
Oak, red, flooring, select	99	108	113	202	203	159	(NA)	227	285	359	323	(NA)	(NA)
Gum #1, common	68	82	93	142	159	115	125	127	164	182	182	(NA)	(NA)
Poplar #1, common	80	86	105	150	173	121	131	137	163	174	167	(NA)	(NA)
Birch #1, common	89	96	91	123	140	122	127	137	144	157	165	(NA)	(NA)
Plywood	110	104	108	155	161	161	187	212	236	251	247	246	232
Softwood	113	106	114	194	187	201	248	296	326	323	309	307	282
Hardwood	105	101	103	113	130	120	123	128	140	169	177	180	181
Insulation board	114	98	111	122	134	144	161	178	203	199	208	242	251
Woodpulp	102	100	110	128	218	283	286	281	267	315	380	397	379
Paper	93	95	111	121	149	173	182	194	206	230	257	280	286
Paperboard	105	102	101	115	152	170	176	176	180	202	235	258	255
Containerboard	106	104	99	113	146	172	176	172	173	198	231	253	246
Hardboard and particleboard	104	104	93	106	115	114	124	141	170	166	191	213	220

NA Not available.

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

No. 1235. Selected Species—Stumpage and Log Prices in Current and Constant (1967) Dollars: 1960 to 1982

[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	1974	1975	1977	1978	1979	1980	1981	1982
CURRENT DOLLARS											
Softwoods:											
Douglas-fir [1]	32.00	42.60	41.90	202.40	169.50	225.90	250.30	394.40	432.20	350.20	118.20
Southern pine [2]	34.50	31.70	44.10	76.20	57.00	100.30	134.50	155.20	155.40	172.00	127.20
Sugar pine [3]	29.00	23.30	38.50	104.00	99.20	169.60	159.60	365.00	666.60	225.20	71.90
Ponderosa pine [4]	19.10	19.80	32.10	100.60	71.20	131.40	164.70	239.00	206 10	195.20	66.90
Western hemlock [5]	10.50	19.10	20.50	110.80	68.80	89.30	113.60	200.80	212.70	163.40	44.50
Hardwoods: [6]											
All eastern hardwoods	22.80	25.00	26.90	45.90	33.90	37.90	41.10	46.60	52.40	50.90	56.40
Oak, white, red, and black	23.40	21.30	26.60	54.70	29.70	60.00	59.20	68.80	65.60	63.20	70.80
Maple	35.00	31.90	34.40	79.50	39.60	42.10	57.40	33.90	37.40	41.50	34.30
Douglas-fir log prices: [7]											
Saw logs [8]	58.40	63.00	89.30	180.50	168.70	242.80	284.60	382.20	379.80	331.40	308.80
Peeler logs [9]	100.10	93.90	136.60	299.30	274.40	322.20	446.40	571.30	584.40	563.90	460.90
CONSTANT (1967) DOLLARS											
Softwoods:											
Douglas-fir [1]	33.70	44.10	38.00	126.40	96.90	116.30	119.60	167.40	160.80	119.40	39.50
Southern pine [2]	36.40	32.80	39.90	47.60	32.60	51.60	64.30	65.90	57.80	58.60	42.50
Sugar pine [3]	30.60	24.10	34.90	65.00	56.70	87.30	76.30	154.90	248.00	76.80	24.00
Ponderosa pine [4]	20.10	20.50	29.10	62.80	40.70	67.70	78.70	101.40	76.70	66.50	22.40
Western hemlock [5]	11.10	19.80	18.60	69.20	39.30	46.00	54.30	85.20	79.10	55.70	14.90
Hardwoods: [6]											
All eastern hardwoods	24.00	25.90	24.40	28.70	19.40	19.50	19.60	19.90	19.50	17.30	18.80
Oak, white, red, and black	24.70	22.00	24.10	34.20	17.00	30.90	28.30	29.20	24.40	21.50	23.70
Maple	36.90	33.00	31.20	49.70	22.60	21.70	27.40	14.40	13.90	14.10	11.50
Douglas-fir log prices: [7]											
Saw logs [8]	61.50	65.20	80.90	112.70	96.50	125.00	136.00	162.20	141.30	113.00	103.20
Peeler logs [9]	105.50	97.20	123.70	186.90	156.90	165.90	213.30	242.50	217.40	192.20	154.00

[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.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-82*, annual.

No. 1236. Lumber Production and Consumption, by Kind of Wood: 1960 to 1981

[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	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Total production	**32,926**	**36,762**	**34,668**	**34,608**	**32,619**	**36,295**	**37,882**	**38,270**	**37,678**	**32,322**	**28,624**
Softwoods [1]	26,672	29,295	27,530	27,704	26,747	29,878	31,202	31,273	30,411	25,264	22,313
Cedar	(s)	633	633	811	821	934	967	929	837	722	761
Douglas fir	8,832	8,783	7,727	7,901	7,329	8,207	8,543	8,601	8,425	6,853	5,732
Hemlock	2,032	2,576	1,980	2,105	2,020	2,454	2,439	2,728	2,505	1,855	1,688
Ponderosa pine	3,169	3,776	3,429	3,580	3,544	4,032	4,167	4,175	3,966	3,269	(s)
Redwood	1,000	1,087	1,078	1,170	1,054	1,128	1,148	917	896	770	686
Southern yellow pine	5,860	6,628	7,063	6,921	6,967	7,598	8,239	8,267	8,034	6,880	6,824
White fir	2,224	2,422	2,063	2,071	2,012	2,104	2,184	2,099	2,140	1,643	1,409
White pine	675	693	898	925	947	1,060	1,080	1,154	(s)	(s)	506
Hardwoods [1]	6,254	7,467	7,138	6,904	5,872	6,417	6,680	6,997	7,267	7,058	(s)
Ash	125	141	159	143	124	137	144	160	(s)	(s)	(s)
Beech	195	182	188	167	136	140	137	146	193	183	95
Cottonwood	206	198	229	312	253	309	355	372	374	303	(s)
Elm	195	206	155	155	117	131	149	151	151	149	78
Maple	602	786	742	574	531	569	563	561	[2] 217	[2] 225	[2] 173
Oak	2,789	3,356	3,250	3,160	2,724	2,996	3,103	3,220	3,461	3,356	1,864
Sweet gum [3]	331	387	376	294	245	286	377	412	401	371	229
Tupelo and black gum	292	385	335	331	251	277	252	267	(s)	(s)	78
Yellow poplar	592	681	606	710	555	596	605	645	673	661	413
Domestic consumption [4]	**35,225**	**40,782**	**38,073**	**38,866**	**36,099**	**42,194**	**46,969**	**48,432**	**46,292**	**38,771**	**36,281**
Percent net imports [5]	8.7	10.6	12.7	14.2	12.0	15.2	19.3	21.8	20.3	19.1	19.9
Softwoods	28,974	32,701	31,585	32,082	30,308	35,753	40,079	41,435	39,353	32,499	30,308
Per capita (bd. ft.)	164	172	155	176	142	164	182	186	175	143	132
Mill stocks, yearend	5,285	4,145	4,340	4,322	4,063	4,199	4,077	3,999	4,172	4,061	3,983
Exports	688	777	1,152	1,506	1,373	1,583	1,413	1,369	1,745	1,956	1,878
Imports	3,631	4,895	5,769	6,807	5,711	7,950	10,380	11,825	11,118	9,540	9,205
Canada [6]	3,756	4,856	5,722	6,732	5,677	7,913	10,327	11,777	11,101	9,546	9,208
Hardwoods	6,252	8,081	6,488	6,784	5,791	6,441	6,890	6,997	6,939	6,272	5,973
Per capita (bd. ft.)	35	39	32	32	27	30	32	31	31	28	26
Mill stocks, yearend	2,067	1,085	1,144	802	875	877	773	800	1,163	1,765	1,927
Exports	173	145	138	235	245	262	251	320	307	379	406
Imports	291	338	347	464	237	288	341	361	376	293	291
Canada [6]	118	161	145	115	62	83	81	103	87	72	77

S Figure does not meet publication standards. [1] Includes types not shown separately. [2] Excludes hard maple. [3] Red and sap. [4] Source except as noted, Copeland Economics Group, Inc., Stamford, Conn. [5] Imports minus exports. [6] Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-82,* annual.

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

No. 1237. Lumber Production, by Geographic Division: 1970 to 1981

[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, 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] **28.6**
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)
Hardwood	3.4	3.3	3.3	3.5	3.3	3.0	3.3	3.4	3.4	3.6	3.4	(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)
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)
Hardwood	3.6	3.5	3.3	3.4	3.4	2.7	3.0	3.1	3.3	3.5	3.3	(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)
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)
New England	.7	.7	.8	.8	.8	.8	.9	.9	1.0	1.0	1.1	.6
Middle Atlantic	.8	.8	.8	.8	.9	.7	.8	.9	.9	.9	.9	.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
West North Central	.6	.6	.5	.6	.6	.5	.6	.6	.7	.6	.6	.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	4.3
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
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	2.4
Mountain	4.2	4.5	4.5	4.6	3.9	3.9	4.8	4.7	4.7	4.5	3.8	3.2
Pacific	15.3	16.7	17.6	18.0	15.8	14.8	16.6	17.1	17.0	16.6	13.4	11.6

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, 1950-82,* annual. Regions are as defined by the Forest Service, see table 1228. [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. 1238. Wood Products—Production: 1960 to 1982

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Hardwood flooring	Mil. bd. ft.	915	808	333	155	390	385	360	292	315	285
Softwood plywood	*Bil. sq. ft., ⅜" basis*	7.8	12.4	14.1	15.7	18.9	19.5	18.2	15.5	15.6	15.1
Insulation boards	1,000 short tons	1,098	1,258	1,219	1,249	1,403	1,425	1,351	1,051	815	800
Hardboard	1,000 short tons	686	1,093	1,463	1,784	2,237	2,416	2,291	1,970	1,858	(NA)
Particleboard	Mil. sq. ft. ¾" basis	268	780	1,764	2,503	3,569	3,866	3,536	3,029	2,930	2,375

NA Not available.

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *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. 1239. Pulpwood—Production, Consumption, and Prices: 1960 to 1981

[**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	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Production, total	**40.0**	**52.3**	**70.5**	**71.2**	**77.2**	**81.9**	**69.0**	**77.4**	**79.8**	**80.1**	**86.2**	**88.6**	**85.3**
Softwood	31.5	39.8	53.4	53.2	56.7	59.6	52.4	58.1	60.2	58.9	63.3	65.2	62.1
Hardwood	8.5	12.5	17.1	18.0	20.4	22.2	16.6	19.3	19.6	21.2	22.9	23.4	23.3
Consumption, total [1]	**40.5**	**52.0**	**67.6**	**71.5**	**73.6**	**74.3**	**65.4**	**73.2**	**73.9**	**74.2**	**77.6**	**79.7**	**79.7**
Softwood	32.1	39.7	51.3	53.6	54.8	54.6	48.9	54.8	55.7	54.9	57.9	58.8	58.8
Hardwood	8.4	12.3	16.3	17.9	18.8	19.8	16.5	18.4	18.3	19.2	19.7	20.9	20.9
Prices: (dol. per standard cord):													
Southern pine: Midsouth	16.05	16.30	18.80	20.80	23.85	28.25	28.70	29.75	31.40	33.15	40.10	43.30	50.45
Southeast	16.45	17.65	21.10	22.85	28.20	32.80	33.20	33.60	34.65	36.25	40.65	43.90	47.15
Hardwoods: Midsouth	13.10	13.80	16.95	18.55	21.30	25.30	25.70	26.50	28.10	30.35	33.90	36.70	39.50
Southeast	13.60	14.35	17.15	18.95	21.15	24.10	24.55	24.55	26.55	28.15	30.40	32.90	35.10
New Hampshire	18.50	16.50	20.00	22.00	23.50	26.50	28.50	31.65	33.00	35.00	37.00	41.50	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, 1950-81*, annual.

No. 1240. Newsprint—Production, Stocks, Consumption, Imports, and Price: 1960 to 1982

[**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	1976	1977	1978	1979	1980	1981	1982
Canada:											
Production	6,739	7,720	8,607	7,679	8,915	8,988	9,746	9,652	9,507	9,861	8,947
Shipments from mills	6,752	7,747	8,592	7,727	8,712	9,005	9,825	9,678	9,504	9,827	8,900
Stocks at mills, end of year	140	150	236	95	299	282	203	178	182	214	276
United States:											
Total estimated consumption, all users [1]	7,313	8,483	9,706	9,254	9,611	10,228	10,874	11,240	11,121	11,205	11,150
Production	2,038	2,245	3,464	3,690	3,736	3,870	3,767	4,062	4,672	5,239	5,042
Shipments from mills	2,031	2,248	3,457	3,690	3,728	3,866	3,779	4,066	4,667	5,220	4,988
Stocks, end of year: At mills	26	19	33	21	29	34	22	18	23	42	95
At and in transit to publishers	628	573	749	734	921	796	728	692	807	1,059	941
Imports [2]	5,412	6,323	6,635	5,847	6,569	6,559	7,484	7,223	7,279	6,977	6,531
Producer price index (1967=100)	96.1	94.6	107.6	184.0	198.2	215.4	226.3	249.4	[3] 279.3	308.1	316.2

[1] Based on Newspaper Publishers Association sample of publishers. See also table 961. [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, N.Y.

No. 1241. Wastepaper Utilization and Recovery Rates: 1960 to 1982

[**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	1976	1977	1978	1979	1980	1981	1982
Paper and board, production [1]	33.9	43.5	51.7	51.1	58.5	60.2	62.2	64.5	63.7	64.4	61.2
Wastepaper consumption	[2] 9.0	[2] 10.2	11.8	11.7	13.6	14.1	14.8	15.4	14.9	15.0	14.6
Wastepaper utilization rate (percent)	26.5	23.4	22.8	23.0	23.3	23.3	23.7	23.8	23.4	23.7	23.9
Other wastepaper uses [3]	.20	.20	.42	.54	.63	.87	.50	.51	.47	.49	.48
Wastepaper exports [2]	.15	.29	.41	.86	1.27	1.51	1.60	2.23	2.66	2.21	2.22
Total wastepaper recovered	9.3	10.6	12.6	13.1	15.4	16.3	16.8	18.0	18.0	17.7	17.2
Paper and board, new supply [4]	38.5	48.3	56.0	54.3	62.2	64.4	68.0	70.0	67.3	68.1	64.9
Recovery rate (percent)	24.2	21.9	22.4	24.1	24.8	25.4	24.7	25.8	26.7	25.9	26.5

[1] Excludes hard pressed board; includes construction paper and board, and wet machine board (estimated at 1.7 million short tons in 1982). [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, N.Y., *Statistics of Paper, Paperboard, and Wood Pulp*, annual, and unpublished data.

No. 1242. Paper and Paperboard—Production and Consumption: 1965 to 1982

[In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178–191]

ITEM	PRODUCTION						CONSUMPTION [1]					
	1965	1970	1975	1980	1981	1982	1965	1970	1975	1980	1981	1982
Total paper and paperboard	**43.5**	**51.7**	**51.1**	**63.7**	**64.4**	**61.2**	**48.3**	**56.0**	**54.3**	**67.3**	**68.1**	**64.9**
Paper	**19.2**	**23.4**	**23.4**	**30.2**	**31.0**	**30.4**	**25.1**	**29.8**	**28.4**	**37.1**	**37.5**	**36.7**
Newsprint	2.2	3.5	3.7	4.7	5.2	5.0	8.5	9.8	9.0	11.8	11.9	11.3
Coated printing, converting	2.8	3.3	3.2	4.7	4.9	5.0	2.8	3.2	3.1	4.7	4.9	5.0
Uncoated free sheet	4.2	5.1	5.4	8.0	7.9	7.9	4.2	5.1	5.3	8.1	7.9	8.0
Other printing, writing, etc.	2.3	2.6	2.5	2.9	2.9	2.8	2.4	2.7	2.6	3.2	3.2	3.2
Packaging and industrial converting	4.7	5.2	4.7	5.6	5.6	5.3	4.5	5.1	4.4	5.3	5.3	5.1
Tissue and other machine creped	2.9	3.7	4.0	4.4	4.5	4.4	2.9	3.7	3.9	4.3	4.5	4.4
Paperboard	**21.3**	**25.4**	**24.8**	**31.0**	**31.2**	**29.1**	**20.2**	**23.2**	**22.8**	**27.2**	**28.2**	**26.2**
Unbleached kraft	8.3	11.5	11.5	15.3	15.6	14.5	7.4	9.9	10.5	13.0	13.8	12.7
Bleached kraft	2.8	3.3	3.3	3.9	3.9	3.7	2.8	3.2	3.1	3.3	3.4	3.2
Semichemical	2.7	3.5	3.7	4.7	4.7	4.4	2.6	3.4	3.6	4.4	4.6	4.3
Recycled furnish	7.5	7.0	6.2	7.1	7.0	6.5	7.5	7.0	6.2	7.0	7.0	6.5
Construction paper and board [2]	**3.0**	**3.0**	**3.0**	**2.6**	**2.1**	**1.7**	**3.0**	**3.0**	**3.0**	**3.0**	**2.5**	**2.0**

[1] Consumption includes net imports of paper and paperboard converted products; not available by grade. [2] Includes wet machine board, approximately 100,000–160,000 tons per year; 1982 data estimated.

Source: American Paper Institute, Inc., New York, N.Y., *The Statistics of Paper, Paperboard and Woodpulp*, annual.

No. 1243. Woodpulp—New Supply and Consumption: 1960 to 1982

[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	1976	1977	1978	1979	1980	1981	1982
Total new supply [1]	**26.6**	**35.7**	**44.0**	**49.7**	**43.6**	**48.9**	**50.4**	**51.4**	**52.6**	**53.3**	**53.8**	**51.1**
Production, total [2]	25.3	34.0	43.5	48.3	43.1	47.7	49.1	50.0	51.2	53.0	53.4	50.8
Sulphate	14.6	21.5	29.5	33.0	29.2	32.8	34.2	35.5	36.3	38.0	38.7	37.9
Groundwood [3]	3.3	3.6	4.4	4.7	4.4	4.6	4.9	4.7	4.6	5.3	5.7	5.1
Imports	2.4	3.1	3.5	4.1	3.1	3.7	3.9	4.0	4.3	4.1	4.1	3.7
Exports	1.1	1.4	3.1	2.8	2.6	2.5	2.6	2.6	2.9	3.8	3.7	3.4
Consumption in paper and board [2] [4]	25.7	34.0	43.2	48.3	42.4	47.5	48.5	49.8	51.6	52.4	53.0	50.0

[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 1.5 million short tons in 1982).

Source: Except as noted, American Paper Institute, Inc., New York, N.Y., *Statistics of Paper, Paperboard, and Wood Pulp*, annual, and *Monthly Statistical Summaries*.

No. 1244. Logs—Exports and Imports: 1960 to 1982

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

ITEM	VOLUME (mil. bd. ft., log scale)						VALUE (mil. dol.)					
	1960	1970	1975	1980	1981	1982	1960	1970	1975	1980	1981	1982
Exports	**266**	**2,741**	**2,667**	**3,261**	**2,534**	**3,208**	**29**	**356**	**724**	**1,581**	**1,095**	**1,258**
Softwoods	210	2,672	2,601	3,109	2,377	3,115	16	320	681	1,452	1,003	1,174
Hardwoods	56	69	66	152	157	93	13	36	43	129	92	84
Imports	**112**	**144**	**85**	**128**	**101**	**117**	**9**	**13**	**16**	**20**	**20**	**26**
Softwoods	32	107	69	114	88	99	1	9	12	17	17	23
Hardwoods	80	38	17	13	14	18	7	5	3	3	3	3

No. 1245. Plywood—Production, Imports, Exports, Consumption, and Value of Shipments: 1960 to 1981

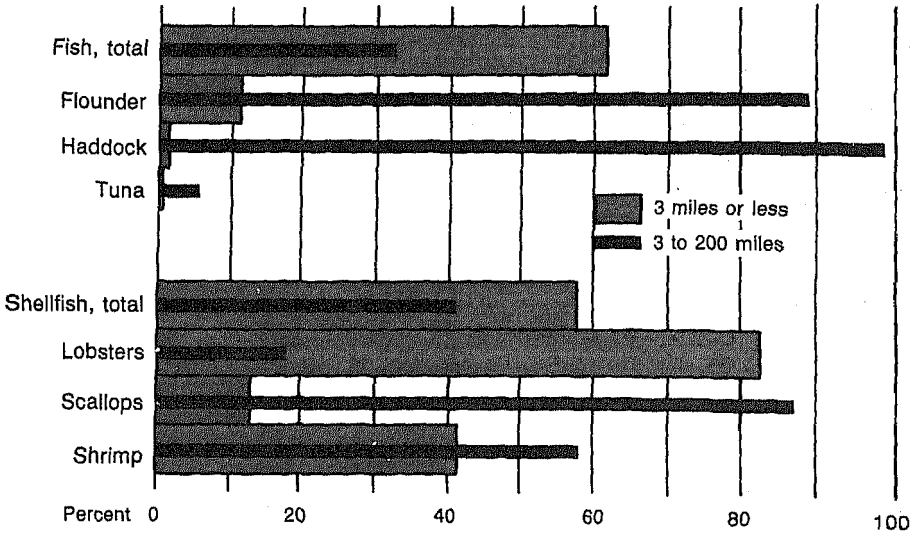
[See also *Historical Statistics, Colonial Times to 1970*, series L 151–165]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Total production	Mil. sq. ft. 3/8" basis	**8,861**	**14,477**	**15,945**	**16,758**	**18,989**	**20,065**	**20,676**	**19,354**	**16,521**	**16,720**
Softwood	Mil. sq. ft. 3/8" basis	7,759	12,428	14,149	15,706	17,906	18,877	19,492	18,204	15,483	15,714
Hardwood	Mil. sq. ft. 3/8" basis	1,102	2,049	1,796	1,052	1,083	1,187	1,185	1,150	1,038	1,006
Imports	Mil. sq. ft. 3/8" basis	725	1,052	2,049	1,925	2,368	2,273	2,555	2,097	1,235	1,511
Exports	Mil. sq. ft. 3/8" basis	15	37	172	859	795	357	328	430	413	733
Consumption	Mil. sq. ft. 3/8" basis	9,571	15,492	17,822	17,823	20,561	21,981	22,903	21,021	17,344	17,497
Total shipments [1]	Mil. dol.	(NA)	**1,124**	**1,268**	**2,073**	**2,779**	**3,602**	**4,078**	**3,822**	**3,233**	**3,096**
Softwood	Mil. dol.	(NA)	775	959	1,726	2,362	3,125	3,549	3,218	2,670	2,522
Hardwood	Mil. dol.	(NA)	349	310	347	417	477	529	604	563	574

NA Not available. [1] Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24F and MA-24H, both annual. Includes interplant transfers.

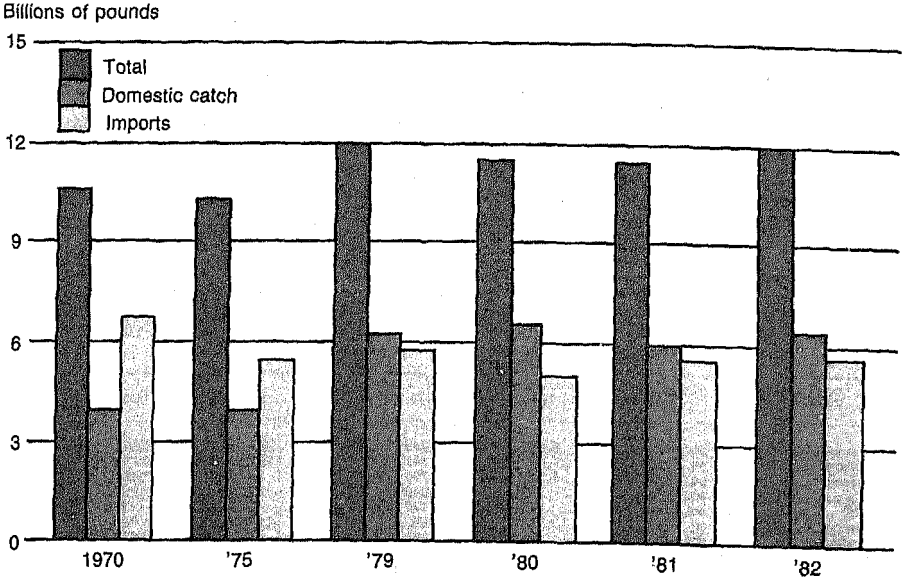
Source of tables 1244 and 1245: Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–82*, annual.

Figure 26.1
U.S. Catch of Fish and Shellfish, by Distance Caught Off U.S. Shores: 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1256.

Figure 26.2
Fishery Products—Supply: 1970 to 1982



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

1984

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).

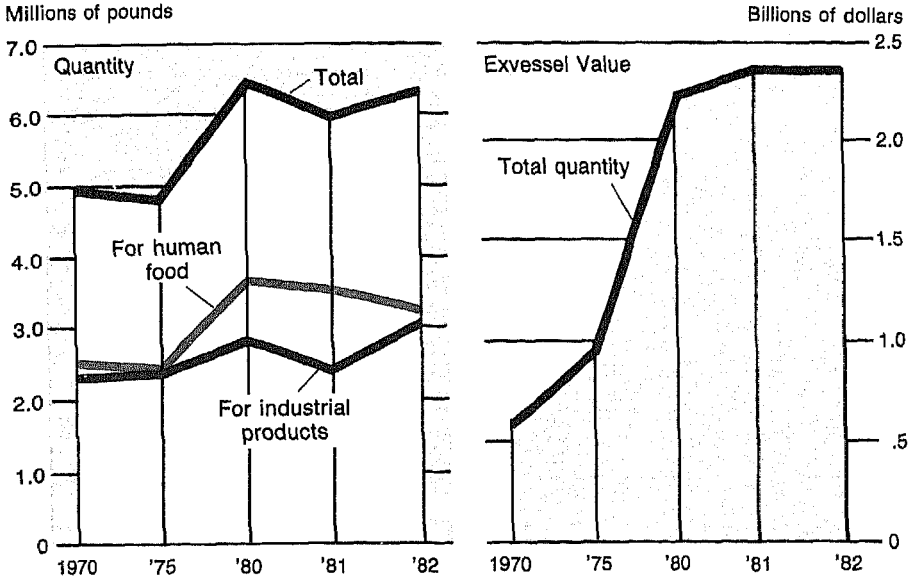
The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual 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, 1982.* 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 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1246 and 1249.

No 1246. Fisheries—Quantity and Value of Domestic Catch: 1940 to 1982

[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	1973	4,858	2,398	2,460	937	19.3
1945	4,598	3,167	1,431	270	5.9	1974	4,967	2,496	2,471	932	18.7
1950	4,901	3,307	1,594	347	7.1	1975	4,877	2,465	2,412	977	20.0
1955	4,809	2,579	2,230	339	7.1	1976	5,388	2,775	2,613	1,349	25.0
1960	4,942	2,498	2,444	354	7.2	1977, prel.	5,198	2,900	2,298	1,515	29.1
1965	4,777	2,587	2,190	446	9.3	1978, prel.	6,028	3,177	2,851	1,854	30.7
1970	4,917	2,537	2,380	613	12.5	1979, prel.	6,267	3,318	2,949	2,234	35.6
1971	5,018	2,441	2,577	651	13.0	1980, prel.	6,482	3,654	2,828	2,237	34.5
1972	4,806	2,435	2,371	748	15.6	1981, prel.	5,977	3,547	2,430	2,388	40.0
						1982, prel.	6,367	3,285	3,082	2,390	37.5

[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. 1247. Fisheries—Employment, Fishing Craft, and Establishments: 1960 to 1981

[**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	1960	1965	1970	1973	1974	1975	1976	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.
Persons employed in U.S	**224**	**215**	**227**	**243**	**253**	**260**	**267**	**269**	**257**	**267**	**296**	**303**
Fishermen	130	129	140	149	161	168	174	173	172	184	193	198
Shore workers [1]	94	87	87	94	92	92	93	96	85	83	103	105
Craft used	**77**	**80**	**88**	**90**	**101**	**103**	**103**	**104**	**104**	**103**	**113**	**115**
Vessels, 5 net tons and over	12	12	14	15	16	16	17	18	18	18	19	20
Motorboats	57	64	72	72	83	85	84	84	84	84	93	93
Other boats	8	3	2	2	2	2	2	2	2	1	1	2
Fishery shore establishments	**4.2**	**4.2**	**3.7**	**3.6**	**3.5**	**3.6**	**3.6**	**3.6**	**3.3**	**3.4**	**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. 1248. Fisheries—Fishermen and Craft, 1976, and Catch, 1979 to 1981, by Area

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

Area	1976 [1] Fishermen (1,000)	Fishing vessels	Fishing boats [2] (1,000)	1979 Total catch (mil. lb.)	Value (mil. dol.)	1980 [3] Total catch (mil. lb.)	Value (mil. dol.)	1981 [3] Total catch (mil. lb.)	Value (mil. dol.)
United States	**[4] 173.6**	**[4] 16,875**	**[4] 85.9**	**6,267**	**2,234**	**6,482**	**2,237**	**5,977**	**2,388**
New England States	30.5	865	15.6	709	302	788	327	697	356
Middle Atlantic States	17.7	580	12.5	228	92	244	97	227	95
Chesapeake Bay States	25.0	1,939	15.4	639	122	718	130	603	126
South Atlantic States	10.6	1,421	6.0	488	145	473	148	543	138
Gulf States	28.1	5,193	10.0	2,129	530	1,979	463	1,700	554
Pacific Coast States	46.4	7,193	13.8	1,925	1,006	2,140	1,025	2,070	1,064
Great Lakes States	1.1	194	.5	49	11	44	14	39	12
Mississippi River States	11.7	-	11.0	[5] 86	15	85	21	85	25
Hawaii	2.7	101	1.3	14	11	11	12	13	18

- Represents zero. [1] As of Dec. 31. [2] Refers to craft having capacity of less than 5 net tons. [3] Preliminary. [4] Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total. [5] 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. 1249. Fishery Products—Supply: 1960 to 1982

[**Live weight, in millions of pounds, except percent.** 1977-1982 preliminary. See *Historical Statistics, Colonial Times to 1970,* series L 224-226, for domestic catch]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	**8,223**	**10,535**	**11,474**	**9,875**	**10,164**	**11,593**	**10,579**	**11,509**	**11,831**	**11,357**	**11,353**	**12,011**
For human food	4,264	5,163	6,213	6,638	6,394	7,404	7,414	8,135	8,251	8,006	8,267	7,968
Finfish	(NA)	(NA)	(NA)	4,971	4,848	5,657	5,589	6,263	6,324	6,139	6,316	6,090
Shellfish [1]	(NA)	(NA)	(NA)	1,667	1,546	1,747	1,825	1,872	1,927	1,867	1,951	1,878
For industrial use	3,959	5,372	5,261	3,237	3,770	4,189	3,165	3,374	3,580	3,351	3,086	4,043
Domestic catch	**4,942**	**4,777**	**4,917**	**4,967**	**4,877**	**5,388**	**5,198**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**
Percent of total	60.1	45.3	42.8	50.2	47.9	46.5	49.1	52.4	53.0	57.1	52.7	53.0
For human food	2,498	2,587	2,537	2,496	2,465	2,775	2,900	3,177	3,318	3,654	3,547	3,285
Finfish	(NA)	(NA)	(NA)	1,522	1,548	1,776	1,781	2,018	2,204	2,516	2,414	2,324
Shellfish [1]	(NA)	(NA)	(NA)	974	917	999	1,119	1,159	1,114	1,138	1,133	961
For industrial use	2,444	2,190	2,380	2,471	2,412	2,613	2,298	2,851	2,949	2,828	2,430	3,082
Imports [2]	**3,281**	**5,758**	**6,557**	**4,908**	**5,287**	**6,205**	**5,381**	**5,481**	**5,564**	**4,875**	**5,376**	**5,644**
Percent of total	39.9	54.7	57.2	49.8	52.1	53.5	50.9	47.6	47.0	42.9	47.3	47.0
For human food	1,766	2,576	3,676	4,142	3,929	4,629	4,514	4,958	4,933	4,352	4,720	4,683
Finfish	(NA)	(NA)	(NA)	3,449	3,300	3,881	3,808	4,245	4,120	3,623	3,902	3,766
Shellfish [1]	(NA)	(NA)	(NA)	693	629	748	706	713	813	729	818	917
For industrial use [3]	1,515	3,182	2,881	766	1,358	1,576	867	523	631	523	656	961

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. 1250. Fisheries—Disposition of Domestic Catch: 1960 to 1982

[**Live weight catch in millions of pounds.** Prior to 1960, excludes Hawaii. 1977-1982 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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	**4,942**	**4,777**	**4,917**	**4,967**	**4,877**	**5,388**	**5,198**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**
Fresh and frozen	1,631	1,751	1,595	1,660	1,744	1,921	2,025	2,237	2,394	2,621	2,547	2,550
Canned	1,043	1,042	1,150	1,005	907	1,051	1,078	1,099	1,046	1,161	1,118	891
Cured	82	76	71	69	55	55	55	52	94	96	90	85
Reduced to meal, oil, etc	2,186	1,908	2,101	2,233	2,171	2,361	2,040	2,640	2,733	2,604	2,222	2,841

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

No. 1251. Fisheries, Selected Countries—Commercial Catch, 1975 to 1980, 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		1979	1980	COUNTRY	1975		1979	1980
	Total	Per capita [1] (lb.)				Total	Per capita [1] (lb.)		
World total	**146.6**	**27.1**	**157.1**	**159.2**	Iceland	2.2	147.3	3.6	3.3
United States	6.3	35.1	7.7	8.0	Philippines	3.2	73.0	3.3	3.4
Japan	21.8	148.6	21.9	23.0	Canada	2.2	40.1	3.1	2.9
Soviet Union	22.0	63.3	20.1	20.8	Korea, D.P.R. (est.)	2.3	78.5	2.9	3.1
Peru	7.6	37.9	8.1	6.0	Spain	3.3	77.8	2.7	2.7
Chile	2.0	34.8	5.8	6.2	Vietnam (est.)	2.2	48.1	2.2	2.2
Norway	5.5	103.6	5.8	5.3	Brazil	1.7	15.2	1.9	1.9
India	5.0	7.0	5.2	5.3	Mexico	1.0	10.8	1.9	2.7
Korea, Rep. of	4.2	104.3	4.8	4.6	France	1.7	46.9	1.6	1.7
Denmark	3.9	77.4	3.8	4.5	South Africa, Rep. of	1.3	15.4	1.4	1.4
Indonesia	3.0	23.6	3.9	4.1	Poland	1.8	45.2	1.3	1.4
Thailand	3.4	50.5	3.8	3.6	United Kingdom	1.1	38.1	1.1	.9

[1] 1975-1977 average.

Source: Food and Agricultural Organization of the United Nations, Rome, Italy, *Yearbook of Fishery Statistics, 1980,* vol. 50.

No. 1252. Fisheries—Catch and Value of Principal Species: 1970 to 1982

[**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. 1979-1982 preliminary]

Species	Catch						Value					
	1970	1975	1979	1980	1981	1982	1970	1975	1979	1980	1981	1982
Fish:												
Cod, Atlantic	53	56	99	118	100	104	6	13	29	32	33	37
Flounder	169	162	209	217	201	228	23	44	83	82	86	102
Haddock	27	16	42	55	55	45	6	5	18	21	22	22
Halibut	35	21	21	19	27	33	9	16	35	17	21	29
Herring, sea	79	131	209	291	247	202	2	6	47	45	31	35
Jack mackerel	47	37	35	44	31	58	2	2	2	4	3	5
Menhaden	1,837	1,803	2,604	2,497	2,105	2,766	34	49	109	112	81	108
Ocean perch, Atlantic	55	32	34	24	19	19	3	3	7	6	5	5
Pollock	9	21	41	43	41	35	1	2	7	7	9	7
Salmon, Pacific	410	202	536	614	648	607	99	107	413	357	438	392
Tuna	393	393	364	399	341	261	75	107	158	233	206	148
Whiting	45	42	35	36	37	36	4	4	6	6	7	8
Shellfish:												
Clams (meats)	99	113	92	95	121	108	29	43	79	90	107	97
Crabs	277	306	489	523	446	350	39	81	284	291	297	282
Lobsters, American	34	30	37	37	37	39	33	51	72	75	87	91
Oysters (meats)	54	53	48	49	50	54	29	45	66	70	69	76
Scallops (meats)	11	14	34	30	46	34	12	23	112	114	128	96
Shrimp	367	347	336	340	355	284	130	226	472	403	463	509

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

No. 1253. Prices Received by Fishermen and Vessel Owners: 1970 to 1982

[**Cents per pound. Live weight.** 1977-1982 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	1974	1975	1977	1978	1979	1980	1981	1982
Fish:										
Cod	Massachusetts	13.1	19.6	24.2	22.6	25.4	29.3	27.3	33.0	36.2
Flounder	Massachusetts	15.3	26.5	34.9	41.7	50.5	47.2	42.4	57.9	56.7
Haddock	Massachusetts	25.8	36.9	32.8	31.9	31.9	42.6	38.7	39.4	49.5
Menhaden	(No specific point)	1.8	3.3	2.7	3.8	3.8	4.2	4.5	3.8	3.8
Ocean perch	Maine, Massachusetts	4.9	8.1	10.3	15.3	17.1	21.0	23.0	28.3	27.4
Salmon, chinook	(No specific point)	55.4	64.2	85.9	137.6	133.8	173.5	166.3	182.5	182.3
Salmon, coho	(No specific point)	39.3	67.8	77.6	107.4	118.6	142.5	109.7	94.5	99.4
Tuna, albacore	(No specific point)	26.7	38.5	33.3	58.7	60.6	64.7	80.1	91.0	69.1
Shellfish:										
Clams, soft	Maine	47.5	76.4	86.9	118.3	124.3	144.6	150.7	156.7	152.3
Crabs, blue, hard	Maryland, Virginia	6.6	12.7	15.7	20.1	20.5	19.1	20.3	23.4	32.2
Lobsters, American	*Maine*	94.7	141.0	161.5	173.6	177.1	180.3	189.7	206.6	221.6
Oysters, eastern	Maryland, Virginia	61.1	70.1	80.1	110.7	110.7	125.9	131.3	128.2	129.5
Sea scallops	New Bedford, Mass	135.6	154.3	188.8	165.8	253.5	340.3	404.2	406.8	384.2
Shrimp	So. Atlantic, Gulf	47.6	73.3	107.0	113.3	130.6	185.4	149.0	173.1	218.6

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. 1254. Commercial Fishery Products—Per Capita Consumption: 1955 to 1982

[**Pounds of edible meat.** 1977-1982 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	1955	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	10.5	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
Fresh and frozen	5.9	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
Fish [1]	4.2	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
Shellfish	1.7	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
Canned	3.9	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
Tuna	1.4	2.0	2.3	2.5	2.9	3.1	3.1	2.9	2.8	2.9	3.3	3.3	2.9	3.1	2.7
Salmon	1.0	.7	.9	.7	.7	.4	.3	.4	.4	.5	.6	.6	.5	.5	.5
Shellfish	.4	.4	.5	.5	.5	.5	.5	.4	.4	.6	.5	.5	.5	.5	.4
Sardines	.6	.4	.3	.4	.4	.5	.4	.2	.3	.3	.3	.3	.3	.4	.3
Other	.5	.5	.3	.4	.4	.5	.4	.4	.3	.3	.4	.3	.3	.3	.4
Cured	.7	.6	.5	.4	.5	.4	.5	.4	.5	.4	.3	.4	.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. 1255. Catch, Catch Limits, and Principal Species Caught by Countries in the U.S. Fishery Conservation Zone (FCZ), by Country: 1980 to 1982

[**In millions of pounds live weight.** Data are preliminary. Excludes tuna. (In 1980, U.S. domestic catch of tuna in FCZ was 25 mil. lb., in 1981, 35 mil lb., and in 1982, 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. 701, and source]

COUNTRY	ACTUAL CATCH			ALLOCATION			Principal species caught
	1980	1981	1982	1980	1981	1982	
Total catch in FCZ	**5,591**	**5,968**	**5,427**	(x)	(x)	(x)	**Pollock, menhaden, whiting.**
U.S.	2,003	2,320	2,308	(x)	(x)	(x)	Pollock, menhaden, Atlantic cod.
Foreign	3,588	3,648	3,119	[1] 4,799	[1] 4,638	[1] 4,270	(x).
Japan	2,602	2,558	2,384	3,095	3,140	3,039	Pollock, flounder, Pacific cod.
U.S.S.R.	128	(x)	(x)	169	(x)	(x)	Whiting, Alaska pollock, flounder.
Korea, Rep. of	463	536	535	534	592	677	Pollock, Pacific cod, flounder.
Poland	239	362	(x)	529	508	(x)	Herring, whiting, squid.
Canada	65	66	66	(x)	(x)	(x)	Scallops, Atlantic cod, haddock.
Spain	39	43	34	79	62	36	Squid, whiting, butterfish.
Italy	21	26	33	52	50	45	Squid, butterfish, hake.
Germany, Fed. Rep. of	14	26	36	53	53	49	Alaska pollock, Pacific cod, Atka mackerel.
Bulgaria	(x)	16	16	1	50	40	Whiting, jack mackerel, rockfishes.
Ireland	(x)	(x)	(x)	(x)	(x)	(x)	Squid, herring, mackerel.
Mexico	3	(x)	(x)	64	(x)	(x)	Squid, butterfish, pollock.
China (Taiwan)	12	13	15	22	48	47	Pollock, Pacific cod, flounder.
Cuba	2	(x)	(x)	19	15	(x)	Mackerel (Atl.), whiting, herring.
Romania	(z)	(x)	(x)	4	(x)	(x)	Mackerel (Atl.), whiting, squid.

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

No. 1256. U.S. Catch and Value of Fish and Shellfish, by Distance Caught Off U.S. Shores—Selected Species: 1982

[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 catch 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						Value of U.S. catch [1] (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch						
		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]	**6,122.5**	**3,769.9**	**1,929.0**	**423.6**	**61.6**	**31.5**	**6.9**	**1,316.9**	**48.5**	**34.8**	**16.7**
Cod, Atlantic	104.4	3.7	100.8	-	3.5	96.5	-	37.4	3.7	96.3	-
Flounder	287.1	30.1	254.0	3.0	10.5	88.5	1.0	106.3	13.6	85.7	.7
Haddock	44.8	.3	44.5	-	.7	99.3	-	-22.3	.7	99.3	-
Halibut	33.3	12.5	20.7	-	37.7	62.3	-	28.6	36.5	63.5	-
Herring, sea	202.3	187.2	15.1	-	92.5	7.5	-	36.4	98.0	2.0	-
Jack mackerel	57.8	5.5	52.3	-	9.5	90.5	-	5.3	9.5	90.5	-
Menhaden	2,766.1	2,533.8	232.2	-	91.6	8.4	-	107.7	91.8	8.2	-
Ocean perch	24.9	-	24.9	-	-	100.0	-	5.1	-	100.0	-
Salmon, Pacific	607.4	591.7	15.7	-	97.4	2.6	-	391.9	92.8	7.2	-
Tuna	439.4	.5	23.3	415.6	.1	5.3	94.6	236.9	.3	7.9	91.8
Whiting	35.5	2.5	33.0	-	7.0	93.0	-	7.9	6.6	93.4	-
Shellfish [3]	**1,000.8**	**579.3**	**401.9**	**19.6**	**57.9**	**40.1**	**2.0**	**1,248.8**	**45.0**	**50.4**	**4.6**
Clams (meats)	108.3	37.2	71.1	-	34.3	65.7	-	97.3	67.5	32.5	-
Crabs	349.6	245.4	104.2	-	70.2	29.8	-	282.2	40.5	59.5	-
Lobsters	45.9	37.9	8.0	-	82.6	17.4	-	107.1	81.0	19.0	-
Scallops (meats)	34.1	4.2	29.9	-	12.3	87.7	-	96.4	16.6	83.4	-
Shrimp	283.7	116.9	163.7	3.1	41.2	57.7	1.1	509.1	34.8	63.5	1.7

- 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. 1257. Supply of Tuna, Salmon, and Sardines: 1970 to 1982

[**In million of pounds.** 1977–82 preliminary]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Tuna: Domestic landings, live weight	478	519	557	570	665	469	566	508	500	490	439
Imports, fresh and frozen, live weight	465	317	839	517	641	670	662	800	767	765	589
Canned tuna, total supply	510	675	714	582	658	583	757	674	666	698	627
From domestic landings	204	224	250	261	287	207	257	218	215	217	197
From imported fresh and frozen	234	412	411	269	312	341	448	402	387	410	343
Imported canned	72	39	53	52	59	35	52	54	64	71	88
Canned salmon, for U.S. consumption	168	55	80	58	108	115	116	98	126	158	78
Domestic pack	183	72	88	78	125	136	149	149	200	221	119
Exports	17	17	8	23	20	21	33	51	74	63	41
Canned sardines, total supply	66	91	94	57	79	74	75	80	71	93	66
Maine sardines	19	23	25	26	25	23	26	30	20	38	16
Imports	47	67	69	31	54	50	49	50	51	55	50

Source of tables 1255–1257: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1258. Fisheries—Quantity and Value of Catch, by States, and Catch of Principal Species, by Areas: 1965 to 1982

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

Area, State, Catch, and Value	1965	1970	1974	1975	1976	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.
New England:											
Catch	702	531	523	498	547	561	661	709	788	697	687
Value	75	91	124	154	174	203	256	302	327	356	374
Maine:											
Catch	205	159	148	138	178	182	190	232	245	238	217
Value	22	31	41	48	54	62	69	80	93	104	101
New Hampshire:											
Catch	1	1	3	3	3	4	5	8	19	8	8
Value	1	1	1	1	1	2	2	3	5	4	4
Massachusetts:											
Catch	442	287	270	274	289	319	377	375	438	370	344
Value	46	47	62	83	96	114	152	176	178	197	204
Rhode Island:											
Catch	49	79	97	79	72	72	84	68	81	80	113
Value	5	11	17	19	21	23	29	36	46	49	55
Connecticut:											
Catch	5	5	5	4	5	4	5	6	5	1	6
Value	2	2	3	3	2	2	4	7	5	2	10
Catch for certain species:											
Cod	35	53	58	55	55	75	86	97	118	100	104
Flounder	112	104	81	77	80	88	87	98	118	112	128
Haddock	134	27	8	16	13	28	39	42	55	55	45
Herring, sea	75	66	71	79	110	112	111	143	184	139	73
Lobster, American	29	30	26	29	30	30	34	36	36	36	37
Ocean perch, Atlantic	84	55	41	32	32	35	36	34	24	19	19
Pollock	12	9	20	21	24	29	39	34	40	37	31
Whiting	75	40	20	33	37	33	35	16	18	20	24
Middle Atlantic:											
Catch	356	140	211	188	269	213	201	228	244	228	129
Value	25	30	44	50	69	70	79	92	97	95	93
New York:											
Catch	147	32	35	37	35	32	36	37	39	36	36
Value	12	16	25	28	32	31	34	38	45	45	45
New Jersey:											
Catch	160	98	167	144	227	179	164	189	201	189	90
Value	11	13	17	20	35	38	44	53	50	48	45
Delaware:											
Catch	48	10	9	7	7	2	1	2	4	3	4
Value	1	1	2	2	2	1	1	1	2	2	2
Catch for certain species:											
Clams (meats)	52	63	42	53	43	50	43	46	40	49	54
Menhaden	151	31	108	67	151	98	83	100	121	104	2
Oysters (meats)	1	1	3	3	4	2	2	3	3	2	2
Scup or porgy	17	4	10	10	9	9	11	8	8	10	7
Chesapeake Bay:											
Catch	592	630	597	509	587	668	599	639	717	603	791
Value	40	41	58	56	74	86	94	122	130	126	120
Maryland:											
Catch	87	80	70	64	58	60	60	66	80	115	100
Value	13	19	22	23	31	31	33	37	45	57	51
Virginia:											
Catch	505	551	530	445	529	608	539	573	637	488	691
Value	27	22	36	33	43	55	61	85	85	69	69
Catch for certain species:											
Alewives	38	21	15	12	4	1	2	2	1	1	1
Clams (meats)	11	23	67	47	24	28	28	30	36	38	31
Crabs	86	70	68	62	47	59	54	66	65	64	100
Menhaden	360	450	385	322	446	509	428	461	546	411	606
Oysters (meats)	21	25	25	23	21	18	22	20	21	22	18
South Atlantic:											
Catch	357	280	305	333	318	345	399	488	473	543	427
Value	27	30	51	64	74	72	96	145	148	138	164
North Carolina:											
Catch	234	173	207	238	226	252	300	390	356	432	308
Value	9	9	18	20	28	29	41	58	69	58	64
South Carolina:											
Catch	27	16	19	20	21	16	21	21	21	16	20
Value	5	4	7	13	14	10	16	26	20	14	24
Georgia:											
Catch	20	14	18	18	15	13	17	22	19	19	20
Value	4	4	7	12	12	9	14	28	20	13	22
Florida (east coast):											
Catch	76	76	61	57	56	64	61	55	77	76	65
Value	8	12	19	19	20	24	25	33	39	53	48
Catch for certain species:											
Crabs	46	43	38	31	27	31	47	49	55	60	62
Menhaden	192	136	134	167	145	171	206	259	218	324	197
Shrimp	26	21	27	25	26	18	20	32	33	17	26

See footnotes at end of table.

No. 1258. Fisheries—Quantity and Value of Catch, by States, and Catch of Principal Species, by Areas: 1965 to 1982—Continued

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1977–1982 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 262–293]

AREA, STATE, CATCH, AND VALUE	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Gulf States:											
Catch	1,463	1,698	1,776	1,654	1,743	1,476	2,287	2,129	1,979	1,700	2,300
Value	114	167	242	271	386	405	473	530	463	554	614
Florida (west coast):											
Catch	136	116	123	116	111	103	110	108	115	139	116
Value	27	31	52	57	69	71	73	91	86	119	114
Alabama:											
Catch	18	30	34	31	32	34	30	31	25	32	25
Value	5	10	17	21	34	37	35	49	25	43	46
Mississippi:											
Catch	368	298	301	306	288	313	374	379	332	260	379
Value	9	11	16	14	21	26	27	32	25	29	38
Louisiana:											
Catch	787	1,107	1,223	1,115	1,219	918	1,674	1,529	1,412	1,161	1,697
Value	37	61	86	86	135	138	190	199	174	190	231
Texas:											
Catch	154	147	94	86	93	108	99	80	94	108	84
Value	36	53	72	93	127	133	148	159	153	173	184
Catch for certain species:											
Crabs	38	36	43	41	39	43	41	42	45	41	41
Menhaden	1,023	1,209	1,296	1,197	1,238	986	1,809	1,718	1,548	1,218	1,883
Mullet	34	27	28	26	19	16	27	22	31	32	25
Oysters (meats)	19	18	15	19	22	18	18	15	17	17	24
Shrimp	195	230	186	170	210	266	248	207	208	268	210
Great Lakes: [1]											
Catch	56	72	78	62	67	65	68	49	44	39	36
Value	6	6	11	9	11	9	10	11	14	12	13
Superior:											
Catch	9	5	6	5	6	5	5	(NA)	(NA)	(NA)	(NA)
Value	1	1	2	2	2	2	2	(NA)	(NA)	(NA)	(NA)
Michigan:											
Catch	27	53	60	45	48	48	51	(NA)	(NA)	(NA)	(NA)
Value	2	4	6	4	5	2	4	(NA)	(NA)	(NA)	(NA)
Huron:											
Catch	5	2	2	2	2	2	2	(NA)	(NA)	(NA)	(NA)
Value	1	(z)	(z)	1	1	1	1	(NA)	(NA)	(NA)	(NA)
Erie:											
Catch	14	10	10	8	9	10	10	(NA)	(NA)	(NA)	(NA)
Value	1	1	2	2	3	3	3	(NA)	(NA)	(NA)	(NA)
Pacific Coast:											
Catch	1,147	1,480	1,391	1,551	1,771	1,777	1,741	1,925	2,140	2,070	1,872
Value	148	235	381	352	538	651	821	1,006	1,025	1,063	964
Washington:											
Catch	127	134	147	146	142	146	138	170	156	185	170
Value	18	30	59	61	72	81	97	115	86	96	90
Oregon:											
Catch	69	98	96	86	95	113	135	128	126	135	128
Value	9	23	37	26	40	49	57	65	56	52	57
California:											
Catch	458	703	685	875	917	874	722	728	804	775	695
Value	51	86	140	135	187	195	228	227	323	275	241
Alaska:											
Catch	492	545	463	445	617	644	746	899	1,054	975	879
Value	70	96	145	130	239	326	439	597	560	640	576
Catch for certain species:											
Anchovies	6	193	177	329	264	232	35	117	107	127	103
Bonito	6	9	19	32	9	23	8	5	14	17	5
Crabs	161	126	174	164	222	260	301	326	347	235	143
Flounder	46	46	54	57	62	52	63	68	60	62	73
Halibut	40	34	18	21	18	18	17	21	19	27	33
Herring, sea	35	22	56	57	43	44	43	66	107	108	129
Jack mackerel	67	48	25	37	45	110	68	35	44	31	58
Salmon	327	410	201	202	310	336	404	536	614	648	607
Shrimp	20	93	141	140	168	192	154	96	98	67	45
Tuna	296	378	381	381	474	329	394	349	387	327	248
Mississippi River and tributaries:											
Catch	85	75	68	72	71	55	58	86	85	85	110
Value	8	10	14	15	14	11	13	15	21	25	34
Hawaii:											
Catch	20	11	11	9	15	15	14	14	11	13	14
Tuna	17	9	9	7	12	12	11	12	7	8	10
Value	4	4	6	6	9	9	12	11	12	18	14

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. 1259. Fresh and Frozen Fishery Products: 1970 to 1982

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

Product	Production (mil. lb.)						Value (mil. dol.)					
	1970	1975	1979	1980	1981 [1]	1982 [1]	1970	1975	1979	1980	1981 [1]	1982 [1]
Fish fillets and steaks [2]	**133.5**	**131.9**	**187.2**	**202.1**	**205.1**	**202.4**	**74.8**	**137.9**	**260.9**	**261.2**	**305.2**	**327.5**
Cod	13.6	15.2	33.0	31.3	43.3	40.2	7.4	14.6	44.8	43.2	68.6	58.6
Flounder	46.7	41.9	47.8	46.9	50.8	71.7	28.7	53.1	87.9	87.4	98.0	138.9
Haddock	8.9	8.2	19.3	17.2	17.8	13.4	6.9	12.3	33.3	29.0	32.9	24.6
Ocean perch, Atlantic	16.0	8.4	8.6	7.1	4.9	5.1	4.9	5.7	10.0	9.3	7.0	7.2
Whiting	.8	.1	.5	.6	.2	-	.3	.1	.4	.5	.2	-
Rockfish	11.1	5.5	10.8	14.2	16.4	14.8	3.4	3.2	11.2	12.8	16.2	15.8
Pollock, Atlantic	3.7	5.7	10.8	8.5	9.1	9.0	1.3	3.6	8.7	8.5	9.7	9.7
Frozen fishery products	**388.3**	**299.7**	**268.9**	**228.2**	**220.7**	**243.0**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other	32.7	46.9	56.4	74.3	62.6	48.2	21.9	45.3	64.6	70.5	72.6	72.7

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

No. 1260. Canned Fishery Products—Production and Value: 1970 to 1982

[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	1977	1978	1979	1980	1981	1982, prel.	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Total [1]	**1,346**	**1,382**	**1,421**	**1,598**	**1,439**	**1,516**	**1,495**	**1,261**	**742**	**1,067**	**1,543**	**1,884**	**1,743**	**1,928**	**2,013**	**1,451**
Tuna	438	529	548	705	620	602	627	539	381	653	907	1,273	1,104	1,144	1,180	885
Salmon	183	75	136	149	149	200	221	119	139	110	210	221	258	376	423	196
Clam products	65	76	73	69	73	85	88	100	26	42	65	60	61	75	72	87
Jack mackerel [2]	8	10	31	32	26	38	36	39	2	3	12	10	8	12	12	15
Sardines, Maine	19	26	23	26	30	20	38	16	11	25	27	36	45	32	55	25
Shrimp	25	12	25	16	11	15	12	8	37	28	73	50	54	80	59	46
Crabs	5	3	5	4	3	4	3	2	10	10	20	19	18	19	19	13
Squid	9	8	7	8	4	4	9	8	1	2	2	2	1	1	3	2
Oysters	2	2	1	1	(z)	(z)	(z)	1	2	4	3	1	1	(z)	1	2

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. 1261. Processed Fishery Products—Summary: 1970 to 1982

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970,* series L 362-365, for meal, scrap, and oil. 1981-82 preliminary]

Product	Production (mil. lb.[1])						Value (mil. dol.)					
	1970	1975	1979	1980	1981	1982	1970	1975	1979	1980	1981	1982
Total	(X)	(X)	(X)	(X)	(X)	(X)	**1,727**	**2,651**	**4,949**	**4,942**	**4,888**	**4,350**
Packaged fresh and frozen	**1,158**	**1,113**	**1,425**	**1,403**	[2] **1,289**	(NA)	**800**	**1,309**	**2,781**	**2,567**	**2,527**	**2,521**
Fish not breaded:												
Fillets and steaks, raw	134	132	187	203	205	202	75	138	261	262	305	328
Dressed	32	55	35	40	52	(NA)	9	43	45	58	79	(NA)
Other [3]	10	26	54	48	30	(NA)	4	22	42	37	21	(NA)
Fish breaded, raw or cooked:												
Sticks	116	91	96	88	89	90	58	62	100	89	97	97
Fillets, portions, and steaks	296	286	392	326	331	(NA)	137	211	428	368	397	(NA)
Shellfish: Not breaded	328	315	424	497	415	(NA)	343	534	1,374	1,302	1,172	(NA)
Breaded, raw and cooked	119	128	129	113	119	(NA)	129	220	348	321	362	(NA)
Specialties, fish and shellfish	123	80	108	88	48	(NA)	45	79	183	130	94	(NA)
Canned products [4]	**1,346**	**1,386**	**1,439**	**1,516**	**1,495**	**1,261**	**742**	**1,067**	**1,743**	**1,928**	**2,013**	**1,451**
Fish and shellfish	805	802	959	1,010	1,086	881	633	920	1,593	1,782	1,878	1,325
Animal food	540	583	480	506	409	380	105	148	150	146	135	126
Cured fish [5]	**71**	**55**	**54**	**66**	**43**	(NA)	**77**	**102**	**163**	**175**	**135**	**143**
Salted (incl. spiced, pickled) [6]	39	30	31	43	16	(NA)	30	44	80	85	37	(NA)
Smoked	31	24	22	22	25	(NA)	43	56	80	86	92	(NA)
Dried (cod) lutefisk [6]	1	1	1	1	2	(NA)	4	2	3	4	6	(NA)
Industrial products	(X)	(X)	(X)	(X)	(X)	(X)	**108**	**173**	**262**	**272**	**213**	**235**
Meal and scrap (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46	66	132	134	119	(NA)
Oil (body and liver)	206	246	268	313	184	348	18	33	54	58	33	(NA)
Fish solubles (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	5	9	15	14	15	(NA)
Other	(X)	(X)	(X)	(X)	(X)	(X)	38	67	61	66	46	(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 1259-1261: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1262. Fishery Products—Imports and Exports: 1960 to 1982

[Includes Puerto Rico; imports also include landings of tuna by foreign vessels in American Samoa. 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	1,084	554	1,022	62
1980	3,648	2,145	2,687	962	1,006	574	904	102
1981, prel	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982, prel	4,523	2,225	3,202	1,321	1,059	657	999	60

Source: 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.

No. 1263. Selected Fishery Products—Imports and Exports: 1970 to 1982

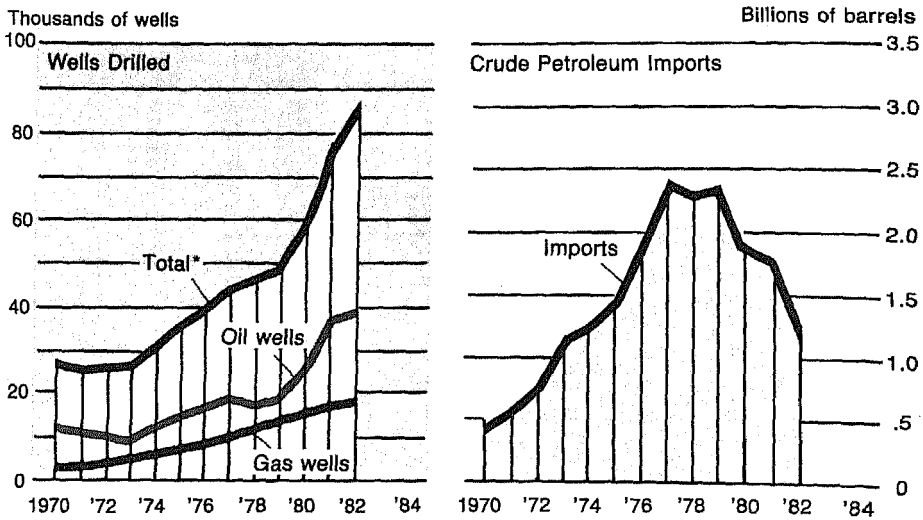
[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

Product	Quantity (mil. lb.)							Value (mil. dol.)						
	1970	1975	1978	1979	1980	1981, prel.	1982, prel.	1970	1975	1978	1979	1980	1981, prel.	1982, prel.
IMPORTS														
Edible:														
Fresh or frozen:														
Whitefish [1]	8.4	8.4	11.4	7.6	8.2	7.5	8.3	4.8	5.6	8.6	7.4	8.0	7.2	7.4
Halibut [1]	18.2	8.0	7.0	4.1	6.3	6.3	6.7	8.1	8.0	10.8	7.4	9.3	10.1	10.4
Salmon [1]	7.4	9.2	6.6	5.0	5.5	6.5	10.4	6.7	11.5	13.6	11.4	13.9	15.9	22.1
Sea herring	103.9	99.2	72.0	40.1	22.0	14.3	28.8	1.9	5.1	5.5	1.9	3.6	3.0	5.1
Smelt	8.5	8.8	10.4	12.6	11.3	12.6	14.4	1.6	3.2	4.4	6.0	4.8	6.5	7.5
Tuna	442.8	478.6	808.2	753.6	722.7	721.3	556.5	100.5	121.2	327.2	321.6	429.3	478.6	360.7
Groundfish fillets, blocks [2]	458.8	513.8	639.4	661.1	557.1	601.3	614.2	134.6	278.4	565.4	622.3	545.8	605.2	629.0
Other fillets and steaks	136.1	167.6	190.6	174.6	148.2	157.0	145.7	63.6	117.3	178.7	185.4	158.4	194.2	189.0
Scallops (meats)	16.8	19.7	28.4	25.2	20.9	26.2	20.9	19.7	37.2	72.8	84.9	82.0	112.7	73.0
Lobster, American and spiny	54.9	58.1	56.2	60.7	50.5	55.8	54.4	93.8	188.6	256.3	298.5	270.6	308.7	315.6
Shrimp and prawn	214.8	201.5	195.5	220.2	215.1	218.4	268.5	196.8	346.2	418.4	705.0	711.2	715.0	970.0
Canned:														
Anchovies, in oil	5.5	3.6	4.8	3.6	4.5	4.3	4.2	6.3	5.6	9.6	7.4	13.2	13.5	11.0
Salmon	2.4	3.3	.3	.4	.2	.1	.2	1.6	3.9	.7	.8	.4	.1	.6
Sardines, in oil	34.1	18.5	24.2	22.9	18.2	18.2	14.1	15.8	16.3	25.5	27.7	24.2	25.1	19.1
Sardines and herring, not in oil	25.3	24.9	32.1	34.0	38.5	43.2	41.3	8.3	15.9	22.9	25.8	28.4	35.8	30.5
Tuna	72.3	51.7	51.8	53.7	63.6	70.9	87.6	44.3	46.0	63.8	65.1	97.3	110.4	113.3
Bonito and yellowtail	1.2	.1	.4	.4	.8	.9	.5	.5	.1	.4	.3	.6	.8	.4
Crab meat	2.8	1.4	4.1	5.1	5.0	5.0	5.7	5.3	2.9	9.5	12.3	12.5	13.2	16.3
Oysters	15.0	12.4	23.5	19.1	17.0	20.4	22.4	8.1	8.4	24.6	18.3	20.3	24.0	26.5
Lobster, American and spiny	2.5	2.1	2.4	1.9	2.2	3.1	3.4	8.0	10.9	15.7	11.7	12.8	20.4	26.1
Pickled or salted:														
Cod, haddock, hake, pollock, cusk	41.2	33.6	37.6	39.7	33.0	45.3	40.8	13.6	26.8	38.3	43.3	36.0	56.2	48.6
Herring	30.6	20.6	25.0	17.2	16.7	20.1	21.2	5.4	6.6	13.6	9.4	10.4	11.5	10.6
Nonedible scrap and meal	**502.0**	**236.7**	**87.8**	**179.2**	**99.0**	**118.9**	**168.7**	**37.7**	**23.6**	**12.6**	**29.6**	**15.5**	**20.5**	**25.7**
EXPORTS														
Canned salmon	16.8	22.5	32.5	50.7	74.0	63.5	41.2	13.1	34.6	49.2	91.9	150.0	128.6	65.9
Canned sardines	1.5	2.2	1.6	1.6	1.8	1.7	1.0	.7	1.8	1.5	1.2	1.4	1.7	.9
Fish oil, nonedible	**156.6**	**191.8**	**222.0**	**198.5**	**284.0**	**238.3**	**202.3**	**15.7**	**27.8**	**42.3**	**39.6**	**52.4**	**42.6**	**35.7**

[1] Excludes fillets. [2] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

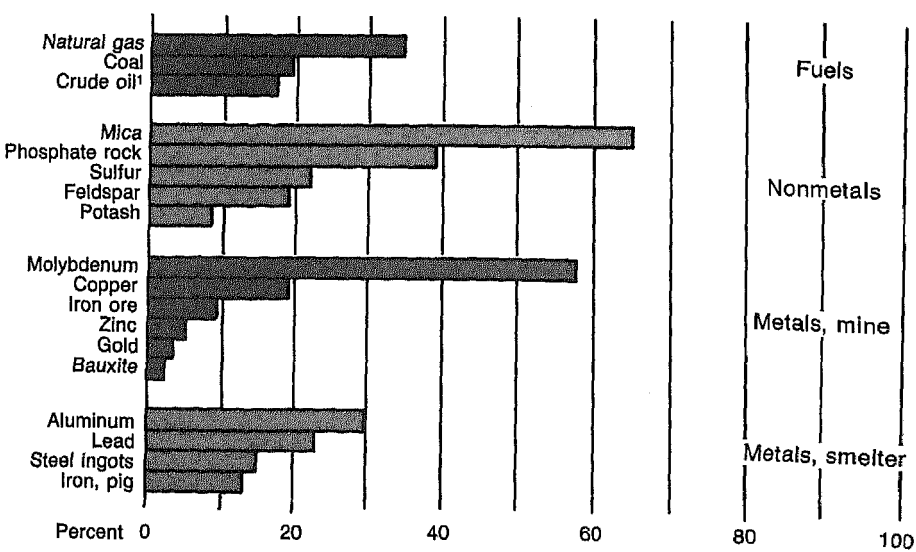
Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

Figure 27.1
Wells Drilled and Imports of Crude Petroleum: 1970 to 1982



* Includes dry holes.
Source: Chart prepared by U.S Bureau of the Census. For data, see tables 1280 and 1285.

Figure 27.2
U.S. Mineral Production as Percent of World Total: 1981



[1] Includes natural gas liquids.
Source: Chart prepared by U.S Bureau of the Census. For data, see table 1275.

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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, D.C.; *Metals Week* and the monthly *Engineering and Mining Journal,* issued by the McGraw-Hill Publishing Co., New York; *The Iron Age,* issued weekly by the Chilton Co., Philadelphia; and the *Joint Association Survey of the U.S. Oil and Gas Industry,* conducted 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, and accidents and injuries in the mineral industries, except petroleum and natural gas. In October 1977, 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 1268. 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. 1264. Summary of Mineral Operations: 1958 to 1977

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

[1] See footnote table 4, 1267.

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

No. 1265. National Income Originating in Mining: 1960 to 1982

[**In billions of dollars, except percent.** 1960 excludes Alaska and Hawaii. For definition of national income, see text, p. 445. 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]

TYPE OF MINING	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total mining	**5.6**	**6.1**	**8.0**	**10.5**	**16.0**	**18.6**	**20.9**	**22.8**	**24.2**	**30.1**	**38.5**	**42.8**	**39.8**
Percent of total national income	1.3	1.1	1.0	1.0	1.4	1.5	1.5	1.4	1.3	1.5	1.8	1.8	1.6
Metal mining	.8	.9	1.2	1.5	1.6	1.6	1.8	1.7	2.0	2.8	2.8	3.4	2.4
Coal mining	1.3	1.4	2.3	3.0	5.6	6.5	6.2	6.8	7.1	8.4	8.8	9.1	9.9
Oil and gas extraction	2.6	2.7	3.2	4.1	6.8	8.3	10.7	11.7	12.0	15.7	23.3	26.7	24.0
Nonmetallic minerals, exc. fuels	.9	1.1	1.3	1.9	2.1	2.2	2.3	2.6	3.1	3.3	3.6	3.6	3.5

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 1983.

No. 1266. Mining and Primary Metal Production Indexes: 1960 to 1982

[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	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Mining	**80.3**	**93.2**	**112.2**	**114.7**	**115.3**	**112.8**	**114.2**	**118.2**	**124.0**	**125.5**	**132.7**	**142.2**	**126.1**
Coal	79.2	93.8	108.0	104.8	106.4	113.4	117.2	121.9	114.7	135.6	146.7	141.3	142.7
Anthracite	165.0	120.7	79.2	54.9	50.9	50.1	51.9	50.2	53.4	46.7	43.7	49.2	46.5
Bituminous	75.6	92.6	109.2	106.8	108.7	116.0	119.9	124.9	117.2	139.3	150.9	145.0	146.7
Oil and gas extraction	77.9	90.5	111.6	113.7	114.4	113.3	112.0	118.0	124.6	121.7	133.3	146.8	131.1
Crude oil and natural gas	77.5	88.4	111.6	108.4	103.6	97.9	95.4	95.7	99.1	97.3	97.9	98.2	96.7
Oil and gas drilling	90.2	109.1	108.3	146.5	189.3	222.8	230.1	279.3	315.2	303.8	405.8	523.4	392.4
Metal mining	111.5	114.8	131.9	130.2	125.6	115.8	122.8	105.5	121.0	127.0	109.2	123.1	82.4
Iron ore	93.6	98.5	112.1	112.6	110.4	105.4	105.4	74.3	110.0	117.1	96.6	104.4	51.9
Nonferrous ores	121.4	123.6	149.6	146.0	139.2	125.1	138.4	133.3	130.8	135.7	120.4	139.8	110.0
Copper ore	112.5	140.7	179.0	179.8	167.0	147.0	167.2	158.1	155.6	165.6	134.7	173.5	130.4
Lead and zinc ores	87.7	108.2	122.1	113.9	120.2	111.0	108.5	103.3	89.8	83.9	89.0	77.0	81.7
Primary metals, manufacturing	**72.4**	**102.1**	**106.6**	**126.7**	**123.1**	**96.4**	**109.7**	**111.1**	**119.9**	**121.3**	**102.3**	**107.9**	**75.3**
Nonferrous metals	61.8	95.0	109.9	134.5	129.0	97.5	118.5	124.1	131.9	135.8	119.8	122.4	99.7
Copper	122.3	151.5	162.7	160.5	139.9	123.0	138.2	128.0	135.8	145.9	113.1	135.6	98.1
Aluminum	61.1	84.2	121.6	138.6	150.1	118.8	129.7	138.8	147.0	153.6	156.5	151.4	110.5
Iron and steel	77.7	105.2	104.7	122.3	119.8	95.8	104.8	103.8	113.2	113.2	92.4	99.8	61.7

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

No. 1267. Mineral Industries—Summary: 1967 to 1977

["N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series M1-12]

Mineral industry	1967			1972					1977									
				Establishments		All employees			Establishments		All employees		Production workers [4]					
	Establishments	All employees, payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Number (1,000)	Man-hours [5] (millions)	Wages (mil. dol.)	Value added in mining [2] (mil dol.)	Value of shipments and, receipt [6] (mil. dol.)	Capital expenditures (mil. dol.)
All industries	**28,579**	**4,187**	**19,330**	**25,269**	**5,312**	**595**	**6,226**	**26,471**	**31,359**	**6,632**	**799**	**13,167**	**593**	**1,183**	**9,082**	**68,013**	**96,375**	**17,718**
Metal mining	**1,155**	**552**	**1,557**	**1,014**	**285**	**81**	**853**	**2,382**	**1,206**	**328**	**88**	**1,485**	**65**	**129**	**1,032**	**3,504**	**5,369**	**1,140**
Iron ores	146	186	662	111	56	20	218	702	97	61	19	372	14	29	253	1,046	1,614	459
Copper ores	156	171	437	181	71	36	387	1,025	133	61	33	544	23	44	356	1,067	1,856	208
Lead and zinc ores	167	61	103	101	47	8	72	200	88	41	7	105	5	11	75	329	418	42
Gold and silver ores	183	26	51	132	12	3	30	61	175	20	5	71	4	7	53	161	199	41
Gold ores and placers	125	17	35	81	5	2	20	47	126	8	3	40	2	4	28	78	99	22
Silver ores	58	8	16	51	7	1	10	14	49	12	2	32	2	3	25	83	100	19
Bauxite	17	4	23	10	5	1	4	24	12	6	(z)	7	(z)	1	4	31	40	4
Ferroalloy ores, except vanadium	43	32	73	44	15	4	40	137	56	17	6	107	5	10	79	256	372	109
Metal mining services	148	19	34	172	33	3	31	54	270	42	3	52	3	6	41	112	158	18
Miscellaneous metal ores	295	54	175	263	46	7	71	180	375	80	14	227	11	22	170	502	711	260
Uranium-radium-vanadium ores	188	41	142	144	34	8	58	149	225	66	12	203	10	20	155	432	615	252
Mercury ores, misc. metal ores	107	14	33	119	12	1	13	31	150	14	2	24	1	2	14	71	97	8
Anthracite mining	**403**	**41**	**82**	**230**	**51**	**5**	**35**	**68**	**176**	**43**	**4**	**51**	**3**	**6**	**41**	**123**	**227**	**10**
Anthracite	371	37	75	213	41	4	32	63	156	38	3	48	3	5	38	116	217	9
Anthracite mining services	32	5	7	17	10	1	3	5	20	5	(z)	4	(z)	(z)	3	7	10	1
Bituminous coal, lignite mining	**4,081**	**926**	**2,009**	**3,365**	**1,118**	**155**	**1,742**	**3,685**	**5,275**	**1,690**	**242**	**4,120**	**204**	**367**	**3,303**	**11,143**	**16,709**	**2,814**
Bituminous coal and lignite	3,966	916	1,987	3,191	1,076	152	1,714	3,626	4,944	1,610	235	4,005	198	356	3,203	10,837	16,301	2,765
Coal mining services, n.e.c.	115	10	22	174	42	3	29	60	331	80	7	115	6	11	100	306	407	49
Oil and gas extraction	**16,358**	**1,855**	**13,394**	**14,498**	**2,393**	**241**	**2,525**	**17,612**	**18,447**	**3,128**	**349**	**5,902**	**231**	**493**	**3,560**	**48,587**	**67,338**	**12,944**
Crude petroleum and natural gas	8,796	1,049	10,965	7,609	820	117	1,375	14,422	8,573	981	140	2,738	60	118	1,025	38,327	40,830	10,916
Natural gas liquids	684	100	905	680	191	11	117	1,019	692	209	13	227	11	21	178	3,286	17,449	329
Oil and gas field services	6,878	707	1,524	6,209	1,382	113	1,033	2,172	9,182	1,938	196	2,936	160	353	2,357	6,974	9,059	1,699
Drilling oil and gas wells	2,347	295	627	1,907	572	45	422	881	2,625	840	79	1,317	70	151	1,129	3,307	4,320	1,085
Oil and gas exploration services	636	53	126	715	91	10	89	212	1,252	116	18	220	14	32	171	545	665	70
Oil and gas field services, n.e.c.	3,895	359	770	3,587	719	58	522	1,079	5,305	982	99	1,399	77	170	1,058	3,122	4,073	544
Nonmetallic minerals mining	**6,582**	**812**	**2,288**	**6,162**	**1,465**	**114**	**1,070**	**2,723**	**6,255**	**1,443**	**117**	**1,609**	**91**	**189**	**1,146**	**4,656**	**6,732**	**811**
Dimension stone [7]	244	9	18	198	27	2	13	26	209	23	2	19	2	3	14	39	49	3
Crushed and broken stone [8]	2,033	281	705	1,937	669	42	388	982	2,055	655	41	543	33	68	397	1,501	2,046	251
Sand and gravel [8]	3,232	229	548	2,929	457	34	322	776	2,807	430	31	418	23	48	302	1,017	1,428	174
Clay and related minerals [8]	356	58	155	309	111	9	78	198	255	103	10	136	8	17	91	358	591	62
Chemical and fertilizer minerals	233	188	741	204	110	20	203	583	205	112	24	372	18	37	249	1,433	2,167	277
Nonmetallic minerals, services	106	6	11	126	11	1	11	20	176	33	2	36	2	4	28	70	102	8
Miscellaneous [8]	378	41	111	459	80	7	55	138	548	87	7	87	6	11	65	238	350	35

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] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. [5] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). [6] 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. [7] Excludes data for dimension stone quarries operated in conjunction with dressing plants. [8] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1967, 1972,* and *1977,* final industry series reports.

No. 1268. Mineral Production and Value, 1970 to 1981,

[Data represent production as measured by mine shipments, mine sales, or marketable, production 13-37, for

	MINERAL	PRODUCTION QUANTITY							
		Unit	1970	1975	1977	1978	1979	1980	1981
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	691	665	776	824	818
4	Pennsylvania anthracite	Mil. sh. ton	10	6	6	5	5	6	5
5	Natural gas (wet)	Tril. cu. ft	21.92	20.11	20.03	19.97	20.47	20.38	20.18
6	*Petroleum (crude)*	Mil. bbl. [1]	3,517	3,057	3,009	3,178	3,121	3,146	3,129
7	Uranium [2]	Mil. lb	23.1	23.2	29.9	37.0	37.5	43.7	38.5
8	**Nonmetallic minerals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone [3]	Sh. ton	3,055	2,953	2,200	487	2,094	2,131	4,501
10	Asbestos	1,000 sh. ton	125	99	102	103	103	88	83
11	Asphalt and related bitumens (native) [4]	1,000 sh. ton	1,981	1,902	1,237	1,697	1,614	1,252	1,261
12	*Barite*	1,000 sh. ton	854	1,318	1,494	2,112	2,113	2,245	2,849
13	Boron minerals	1,000 sh. ton	1,041	1,172	1,469	1,554	1,590	1,545	1,481
14	Bromine	Mil. lb	350	407	434	447	497	380	390
15	*Calcium chloride*	1,000 sh. ton	633	594	710	773	720	581	705
16	Carbon dioxide, natural (estimate)	Mil. cu. ft	1,110	1,070	1,617	2,015	2,028	1,628	1,577
17	Cement: Portland	Mil. sh. ton	73.2	65.2	76.3	80.0	79.0	71.6	68.2
18	Masonry	Mil. sh. ton	3.0	2.9	3.8	4.1	3.7	3.0	2.7
19	Clays	Mil. sh. ton	54.9	49.0	53.2	56.8	54.7	48.8	44.4
20	Diatomite	1,000 sh. ton	598	573	648	651	717	689	687
21	Emery	1,000 sh. ton	(D)	3.5	(D)	(D)	10.0	(D)	(D)
22	*Feldspar*	1,000 sh. ton	726	670	734	735	740	710	665
23	Fluorspar	1,000 sh. ton	269	140	169	129	109	93	115
24	Garnet (abrasive)	1,000 sh. ton	18.8	17.2	20.0	29.7	21.2	26.9	25.5
25	Gem stones (estimate)	(x)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
26	Gypsum	Mil. sh. ton	9.4	9.8	13.4	14.9	14.6	12.4	11.5
27	Helium [6]	Mil. cu. ft	4,600	1,079	1,494	1,550	1,617	1,458	1,398
28	Lime	Mil. sh. ton	19.7	19.1	19.9	20.4	20.9	19.0	18.9
29	Magnesium compounds [7]	1,000 sh. ton	708	(D)	830	(D)	(D)	(D)	(D)
30	Mica: Scrap	1,000 sh. ton	119	135	176	182	134	116	133
31	Sheet	1,000 lb	–	5.0	(D)	(D)	–	–	–
32	Peat	1,000 sh. ton	526	746	726	760	798	788	757
33	Perlite	1,000 sh. ton	456	512	597	641	660	638	591
34	Phosphate rock	Mil. sh. ton	38.7	48.8	52.1	55.2	56.9	60.0	59.1
35	*Potash* [8]	1,000 sh. ton	2,729	2,094	2,461	2,543	2,632	2,444	2,103
36	Pumice	1,000 sh. ton	3,036	3,892	1,178	1,208	1,172	543	499
37	Pyrites	1,000 lg. ton	(D)	625	435	766	1,032	834	784
38	*Salt (common)*	Mil. sh. ton	45.9	41.0	43.4	42.9	45.6	40.4	38.9
39	Sand and gravel	Mil. sh. ton	944	789	929	996	979	793	755
40	Sodium carbonate (natural)	1,000 sh. ton	2,688	4,328	6,228	6,790	(D)	(D)	(D)
41	*Sodium sulfate (natural)*	1,000 sh. ton	602	667	636	605	533	583	608
42	Stone [9]	Mil. sh. ton	869	901	955	1,051	1,101	985	874
43	Sulfur: Frasch mines	1,000 lg. ton	6,504	6,077	5,935	5,645	7,388	7,283	5,817
44	Talc, soapstone, pyrophyllite	1,000 sh. ton	1,028	965	1,205	1,384	1,453	1,473	1,343
45	Tripoli	1,000 sh. ton	68	81	126	119	116	121	107
46	Vermiculite	1,000 sh. ton	285	330	359	337	346	337	320
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	610	(D)	722	343	646
50	*Bauxite*	1,000 lg. ton [12]	2,082	1,772	1,961	1,643	1,792	1,534	1,486
51	Copper [2]	1,000 sh. ton	1,720	1,413	1,504	1,496	1,591	1,302	1,696
52	Gold [2]	1,000 fine oz	1,743	1,052	1,100	999	964	970	1,378
53	Iron ore, usable [14]	Mil. lg. ton [15]	87.2	75.7	54.1	83.2	86.1	69.6	72.2
54	Lead [2]	1,000 sh. ton	572	621	592	584	579	607	491
55	Manganiferous ore [16]	1,000 sh. ton [16]	368	159	216	312	241	174	176
56	Mercury	76 lb. flask	27,296	7,366	28,244	24,163	29,519	30,657	27,904
57	Molybdenum [17]	Mil. lb	110	105	125	131	144	149	119
58	Nickel [18]	1,000 sh. ton	15.9	17.0	14.3	13.5	15.1	14.7	12.1
59	*Silver* [2]	Mil. fine oz	45.0	34.9	38.2	39.4	37.9	32.3	40.7
60	Titanium concentrate: Ilmenite [2]	1,000 sh. ton [15]	921	702	542	581	646	594	524
61	*Tungsten ore and concentrate*	1,000 lb. [19]	9,312	5,490	6,022	6,901	6,646	6,036	7,815
62	Vanadium [2]	Sh. ton	5,319	4,743	6,504	4,272	5,520	4,806	5,126
63	Zinc [2]	1,000 sh. ton	534	469	450	334	295	350	344
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] Crude and refined. [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, 1981

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

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1981	
1970	1975	1977	1978	1979	1980	1981		
28,369.7	**59,906.9**	**73,062.6**	**82,077.0**	**106,893.0**	**147,343.0**	**187,812.0**	(x).	1
18,800.0	45,422.0	56,138.0	62,262.0	82,919.0	122,197.0	162,639.0	(x).	2
3,770.0	12,470.0	13,700.0	14,490.0	18,360.0	20,200.0	21,510.0	Ky., W. Va., Wyo., Pa., Ill.	3
110.0	200.0	200.0	180.0	200.0	260.0	240.0	Pa.	4
3,730.0	9,050.0	15,820.0	18,180.0	24,160.0	32,400.0	39,950.0	Tex., La., Okla., N. Mex.	5
11,190.0	23,450.0	25,790.0	28,600.0	39,450.0	67,930.0	99,400.0	Tex., Alaska, La., Calif.	6
(NA)	252.0	628.0	812.0	749.0	1,407.0	1,539.0	N. Mex., Wyo., Tex.	7
5,791.2	**9,570.0**	**11,695.0**	**13,517.0**	**15,438.0**	**16,224.0**	**16,415.0**	(x).	8
.6	1.1	3.2	1.3	2.1	2.2	1.2	Ark., Minn., Wis.	9
10.7	14.2	25.3	28.0	28.9	30.6	30.7	Calif., Vt., Ariz.	10
8.9	17.8	13.9	19.3	25.6	25.0	27.7	Tex., Utah, Ala.	11
12.8	21.2	30.3	44.0	53.6	66.0	102.4	Nev., Mo., Ark., Ga.	12
86.8	158.8	236.2	279.9	310.2	366.8	435.4	Calif.	13
60.6	113.1	99.7	100.0	114.5	95.4	90.2	Ark. and Mich.	14
15.2	29.0	45.0	53.9	51.9	47.9	61.7	Mich. and Calif.	15
.2	.3	.4	2.6	3.2	2.6	2.6	Colo., N. Mex., Utah, Calif.	16
1,268.7	2,015.6	2,727.6	3,239.6	3,650.4	3,613.3	3,515.6	Tex., Calif., Pa., Mich.	17
67.5	111.8	169.1	208.6	204.8	188.5	161.8		18
267.9	424.6	579.2	717.3	846.1	898.9	988.8	Ga., Tex., Wyo., Calif.	19
32.6	45.8	63.9	72.4	90.3	100.6	113.0	Calif., Nev., Wash., Oreg.	20
(5)	(5)	(5)	(5)	.2	(5)	(5)	N.Y.	21
9.6	11.7	17.2	18.2	21.5	23.2	21.0	N.C., Conn., Ga., Calif.	22
13.9	10.9	16.5	13.3	12.2	12.6	18.4	Ill., Nev., Tex.	23
1.9	1.7	2.2	2.3	1.5	1.1	2.1	Idaho, N.Y., Maine.	24
2.4	13.9	8.9	8.9	8.2	6.9	7.6	(NA)	25
35.1	44.7	74.3	92.7	99.9	103.1	98.1	Tex., Calif., Iowa, Okla.	26
64.2	23.9	30.7	31.9	31.3	30.2	33.9	Kans., Tex., Okla., N. Mex.	27
286.2	523.8	666.5	749.7	862.5	842.9	884.2	Ohio, Mo., Pa., Ky.	28
62.4	(5)	127.7	(5)	(5)	(5)	(5)	Mich., Calif., Fla., N.J.	29
2.5	5.2	7.3	8.0	7.7	6.3	8.2	N.C., N. Mex., S.C., Ga.	30
-	(z)	(5)	(5)	-	-	-	(x)	31
6.0	12.3	12.5	13.0	15.5	16.2	18.8	Mich., Fla., Ind., Ill.	32
4.9	7.3	10.8	13.7	16.4	16.5	17.4	N. Mex., Ariz., Calif., Idaho.	33
203.2	1,122.2	821.7	928.8	1,045.7	1,256.9	1,438.0	Fla., Idaho, N.C., Tenn.	34
98.1	223.1	206.9	226.5	279.2	353.9	328.9	N. Mex., Calif., Utah	35
4.7	11.2	4.6	4.8	4.9	4.3	4.3	Oreg., Calif., N. Mex., Idaho	36
(5)	4.8	7.0	12.3	17.1	13.8	49.2	Tenn., Colo., Ariz.	37
304.8	368.1	451.6	499.3	538.4	656.2	636.3	La., Tex., N.Y., Ohio.	38
1,115.7	1,416.3	2,028.0	2,302.0	2,427.0	2,289.0	2,290.0	Calif., Alaska, Tex., Ohio.	39
56.3	182.6	337.5	371.3	(5)	(5)	(5)	Wyo. and Calif.	40
10.9	27.7	29.3	27.9	29.7	36.4	43.2	Calif., Tex., Utah.	41
1,474.9	2,120.3	2,456.9	2,885.7	3,398.7	3,404.7	3,277.0	Tex., Fla. Pa., Ill.	42
151.8	304.8	294.7	279.9	449.4	720.5	715.7	Tex. and La.	43
7.8	8.9	13.1	15.8	20.4	25.6	31.5	Mont., Tex., Vt., N.Y.	44
.5	.6	.8	.8	6.3	.7	.6	Ill., Okla., Ark., Pa.	45
6.5	13.8	18.6	19.7	22.0	23.5	26.2	Mont., S.C., Va.	46
34.4	157.2	56.0	222.6	740.3	941.2	933.5	(x)	47
3,778.5	**4,914.9**	**5,229.6**	**6,298.0**	**8,536.0**	**8,922.0**	**8,758.0**	(x)	48
(12)	2.1	1.3	(12)	(12)	(12)	(12)	Idaho and Mont.	49
30.1	25.1	28.0	23.2	24.9	22.4	26.5	Ark., Ala., Ga.	50
1,984.5	1,814.8	2,009.3	1,990.3	2,960.7	2,666.9	2,886.4	Ariz., Utah, N. Mex., Mont.	51
63.4	169.9	163.2	193.3	296.6	594.1	633.4	Nev., S. Dak., Utah, Ariz.	52
941.7	1,620.6	1,419.6	2,390.1	2,814.0	2,547.5	2,918.8	Minn., Mich., Calif., Wyo.	53
178.6	267.2	363.8	393.5	609.9	515.2	358.8	Mo., Idaho, Colo., Utah.	54
(12)	1.4	2.2	3.1	2.9	2.4	2.9	Minn., S.C., N. Mex.	55
11.1	1.2	3.8	3.7	8.3	11.9	11.5	Nev. and Calif.	56
190.1	259.3	450.4	607.9	871.1	1,344.2	945.5	Colo., Ariz., Utah, N. Mex.	57
(12)	(12)	(12)	(12)	(12)	(12)	(12)	Oreg.	58
79.7	154.4	176.3	212.7	420.3	667.3	427.9	Idaho, Ariz., Nev., Colo.	59
18.6	26.9	25.2	25.6	33.0	32.0	37.0	N.J., N.Y., Fla.	60
23.8	29.1	55.1	56.7	55.8	50.6	62.2	Calif., Colo., Nev., Mont.	61
34.9	49.3	74.5	56.8	73.9	64.4	71.5	Colo., Utah, Idaho, Ark.	62
163.7	366.1	309.3	206.9	219.8	261.7	306.9	Tenn., Mo., N.Y., Idaho.	63
58.4	127.5	147.6	133.8	145.0	141.5	68.2	(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 1977 for mineral fuels, from U.S. Energy Information Administration, *Annual Energy Review*.

No. 1269. Mineral Production—Value, 1970 to 1981, and Principal Minerals in Order of Value, 1981, by States

[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	1970	1975	1979	1980	1981 Total	1981 Fuels	1981 Non-fuels	1981 Principal minerals in order of value
U.S.	**28,370**	**59,907**	**106,893**	**147,343**	**187,812**	**162,639**	**25,173**	Petroleum, natural gas (wet), coal.
Regions:								
Northeast	1,628	3,611	4,678	4,710	4,868	3,321	1,547	(x)
North Central	4,278	8,216	14,591	16,286	18,631	12,002	6,629	(x)
South	16,914	38,473	50,126	78,072	108,335	100,883	7,452	(x)
West	6,971	11,963	14,574	39,262	(D)	(D)	9,540	(x)
N.E	**143**	**181**	**293**	**268**	**280**	-	**280**	(x)
Maine	24	37	46	37	38	-	38	Cement, sand and gravel, stone.
N.H	9	17	23	25	26	-	26	Sand and gravel, stone, clays.
Vt	28	29	54	43	51	-	51	Stone, asbestos, sand and gravel.
Mass	50	59	93	91	97	-	97	Stone, sand and gravel, lime.
R.I	4	6	8	6	5	-	5	Sand and gravel, stone, gem stones.
Conn	28	33	69	66	63	-	63	Stone, sand and gravel, feldspar.
M.A	**1,485**	**3,430**	**4,385**	**4,442**	**4,588**	**3,321**	**1,267**	(x)
N.Y	300	398	497	557	566	74	492	Stone, cement, salt.
N.J	89	124	152	149	142	-	142	Stone, sand and gravel, zinc.
Pa	1,096	2,908	3,736	3,736	3,880	3,247	633	Coal, cement, stone.
E.N.C	**2,316**	**4,813**	**7,935**	**9,005**	**9,552**	**6,716**	**2,836**	(x)
Ohio	612	1,356	2,147	2,390	2,441	1,887	554	Coal, petroleum, natural gas.
Ind	256	542	957	1,106	1,111	852	259	Coal, petroleum, stone.
Ill	689	1,491	2,346	2,770	2,791	2,363	428	Coal, petroleum, stone.
Mich	671	1,292	2,306	2,587	3,052	1,614	1,438	Petroleum, iron ore, natural gas.
Wis	68	132	180	152	156	-	156	Stone, sand and gravel, iron ore.
W.N.C	**1,962**	**3,403**	**6,656**	**7,281**	**9,079**	**5,286**	**3,793**	(x)
Minn	633	1,097	2,068	1,782	2,152	-	2,152	Iron ore, sand and gravel, stone.
Iowa	121	196	292	265	250	18	232	Cement, stone, sand and gravel.
Mo	393	723	1,275	1,172	995	125	870	Lead, cement, stone.
N. Dak	96	202	506	801	1,889	1,867	22	Petroleum, coal, natural gas.
S. Dak	62	102	172	250	231	38	193	Gold, stone, cement.
Nebr	73	112	204	272	316	242	74	Petroleum, cement, sand and gravel.
Kans	584	971	2,140	2,740	3,245	2,996	249	Petroleum, natural gas, cement.
S.A	**2,406**	**7,191**	(D)	**10,528**	**11,515**	**7,843**	**3,672**	(x)
Del	2	2	3	2	3	-	3	Magnesium compounds, sand and gravel, clays.
Md	88	165	261	293	317	138	179	Coal, stone, cement.
Va	374	1,262	1,657	1,708	1,770	1,487	283	Coal, stone, cement.
W. Va	1,285	3,390	4,248	4,860	5,000	4,904	96	Coal, natural gas, petroleum.
N.C	98	153	342	380	377	-	377	Phosphate, stone, sand and gravel.
S.C	56	115	202	195	205	-	205	Cement, stone, clays.
Ga	203	333	(D)	771	804	-	804	Clays, stone, cement.
Fla	300	1,771	1,965	2,317	3,040	1,314	1,726	Petroleum, phosphate, stone.
E.S.C	**1,640**	**4,541**	**7,449**	**8,316**	**6,612**	**5,582**	**1,030**	(x)
Ky	847	2,739	4,291	4,498	1,604	1,396	208	Coal, petroleum, stone.
Tenn	220	423	651	674	768	350	418	Coal, stone, zinc.
Ala	323	969	1,647	1,994	2,441	2,128	313	Coal, petroleum, natural gas.
Miss	250	410	860	1,150	1,800	1,708	92	Petroleum, natural gas, cement.
W.S.C	**12,868**	**26,741**	**42,677**	**59,228**	**90,208**	**87,458**	**2,750**	(x)
Ark	226	436	709	787	1,099	817	282	Petroleum, bromine, stone.
La	5,102	8,513	14,138	16,396	30,681	30,107	574	Petroleum, natural gas, sulfur.
Okla	1,138	2,267	4,548	7,336	9,721	9,484	237	Petroleum, natural gas, coal.
Tex	6,402	15,525	23,282	34,710	48,708	47,050	1,658	Petroleum, natural gas, cement.
Mt	**4,545**	**8,014**	**14,574**	**18,862**	**24,137**	**17,118**	**7,019**	(x)
Mont	313	573	1,044	1,331	1,910	1,605	305	Petroleum, coal, copper.
Idaho	120	234	438	522	431	-	431	Silver, phosphate, lead.
Wyo	706	1,644	3,136	5,133	7,374	6,604	770	Petroleum, coal, natural gas.
Colo	390	958	1,824	2,544	2,866	1,900	966	Molybdenum, petroleum, coal.
N. Mex	1,060	2,092	3,986	4,789	6,402	5,707	695	Natural gas, petroleum, copper.
Ariz	1,167	1,288	2,495	2,476	2,567	1	2,566	Copper, molybdenum, cement.
Utah	603	966	1,376	1,661	2,067	1,284	783	Petroleum, copper, coal.
Nev	186	259	274	408	521	17	504	Gold, barite, diatomite.
Pac	**2,426**	**3,949**	(D)	**20,400**	(D)	(D)	**2,521**	(x)
Wash	91	159	(D)	207	(D)	(D)	212	Cement, sand and gravel, stone.
Oreg	68	106	165	152	147	-	147	Stone, sand and gravel, cement.
Calif	1,900	3,153	6,628	10,483	13,239	11,264	1,975	Petroleum, cement, natural gas.
Alaska	338	481	5,732	9,498	14,369	14,241	128	Petroleum, natural gas, sand and gravel.
Hawaii	29	50	64	60	59	-	59	Stone, cement, sand and gravel.

- Represents zero. D Withheld to avoid disclosing individual company data. X Not applicable.

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

No. 1270. Mineral Production Value—Summary: 1970 to 1982

[In billions of dollars]

Mineral	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Fuels:												
Production	20.2	22.1	24.9	40.9	47.5	52.5	55.5	61.5	82.2	120.8	161.1	157.5
Imports	3.0	4.7	8.1	27.1	26.4	33.9	44.2	42.2	60.0	78.8	80.2	62.8
Exports	1.6	1.5	1.7	3.4	4.4	4.2	4.2	3.8	5.6	7.7	9.0	11.3
Metals:												
Production	3.9	3.6	4.4	5.5	5.2	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. 1271. Selected Mineral Products—Average Prices: 1960 to 1982

[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.)	Aluminum, delivered [7] (cents per lb.)	Sulfur, crude [8] (dol./long ton)	Bituminous coal [9] (dol./short ton)	Crude petroleum [9] (dol./bbl.)
1960	(NA)	32.5	83	35.00	.91	11.9	101.4	13.0	26.0	23.13	4.69	2.88
1965	25.2	35.4	100	35.00	1.29	16.0	178.2	14.5	24.5	22.47	4.44	2.86
1970	26.6	58.2	133	36.41	1.77	15.6	174.2	15.3	28.7	23.14	6.26	3.18
1971	28.0	52.0	121	41.25	1.55	13.9	167.3	16.1	29.0	17.47	7.07	3.39
1972	28.0	51.2	121	58.60	1.69	15.0	177.5	17.8	26.3	17.03	7.66	3.39
1973	29.4	59.5	150	97.81	2.56	16.3	227.6	20.7	25.3	17.84	8.53	3.89
1974	40.6	77.3	181	159.74	4.71	22.5	396.3	36.0	34.1	28.88	15.75	6.87
1975	47.2	64.2	164	161.49	4.42	21.5	339.8	39.0	39.8	45.63	19.23	7.67
1976	53.1	69.6	162	125.32	4.35	23.1	379.8	37.1	44.5	46.45	19.43	8.19
1977	55.5	66.8	162	148.31	4.62	30.7	534.6	34.4	51.6	45.09	19.82	8.57
1978	60.9	66.5	237	193.55	5.40	33.7	629.6	31.0	54.0	[10] 45.17	21.78	9.00
1979	67.8	93.3	352	307.50	11.09	52.6	753.9	37.3	61.0	[10] 55.75	23.65	12.64
1980	73.7	102.4	439	612.56	20.63	42.5	846.0	37.4	71.6	[10] 89.06	24.52	21.59
1981	80.5	85.1	475	459.64	10.52	36.5	733.1	44.6	76.0	[10] 111.48	26.29	31.77
1982, prel.	80.5–86.9	74.0	475	397.00	8.00	26.0	660.0	38.5	76.0	[10] 114.50	27.30	28.54

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] 99.5 percent primary aluminum ingot. [8] F.O.B. works. [9] Average value at the point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*.
[10] 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. 1272. Mineral Industries—Employment, Hours, and Earnings: 1970 to 1982

Item	Unit	1970	1980	1981	1982
All mining:					
All employees	1,000	623	1,027	1,139	1,143
Production workers	1,000	473	762	841	831
Avg. weekly earnings	Dol	164	397	439	459
Avg. hourly earnings	Dol	3.85	9.17	10.04	10.78
Avg. weekly hours	No	42.7	43.3	43.7	42.6
Coal mining:					
All employees	1,000	145	246	225	241
Production workers	1,000	127	204	186	197
Avg. weekly earnings	Dol	184	435	482	506
Avg. hourly earnings	Dol	4.54	10.86	11.89	12.67
Average weekly hours	No	40.6	40.5	40.5	40.0
Oil and gas extraction:					
All employees	1,000	270	560	692	717
Production workers	1,000	178	389	486	497
Avg. weekly earnings	Dol	154	390	433	453
Production workers—Con.					
Avg. hourly earnings	Dol	3.57	8.59	9.50	10.26
Average weekly hours	No	43.2	45.4	45.6	44.2
Metal mining:					
All employees	1,000	93	98	104	74
Production workers	1,000	75	74	78	54
Avg. weekly earnings	Dol	167	416	468	476
Avg. hourly earnings	Dol	3.88	10.26	11.55	12.33
Average weekly hours	No	43.1	40.5	40.5	38.6
Nonmetallic minerals, except fuels:					
All employees	1,000	115	123	119	111
Production workers	1,000	94	96	91	84
Avg. weekly earnings	Dol	155	328	356	380
Avg. hourly earnings	Dol	3.47	7.52	8.28	8.89
Average weekly hours	No	44.7	43.6	43.0	42.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909–78*, and *Supplement to Employment and Earnings, Revised Establishment Data*, July 1983.

No. 1273. Mineral Industries—Lost Workday Injuries and Fatalities: 1960 to 1981

[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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Coal mining:											
Injuries, total	12,227	11,397	11,812	8,678	11,262	14,530	15,128	14,871	19,156	18,822	15,638
Fatal	325	259	260	133	155	141	139	106	144	133	153
Nonfatal	11,902	11,138	11,552	8,545	11,107	14,389	14,989	14,765	19,012	18,689	15,485
Rate per million work-hours:											
Fatal	1.2	1.0	1.0	.5	.4	.4	.4	.3	.3	.3	.4
Nonfatal	42	45	44	29	30	38	38	38	43	43	38
Fatalities per 1,000 employed [1]	1.71	1.74	1.81	.75	.71	.66	.60	.43	.58	.55	.64
Quarrying and related industries: [2]											
Injuries, total	4,707	3,353	3,709	2,661	2,562	2,912	3,287	4,135	4,487	3,551	2,527
Fatal	39	48	43	48	36	33	39	49	40	42	19
Nonfatal	4,668	3,305	3,666	2,613	2,526	2,879	3,248	4,086	4,447	3,509	2,508
Rate per million work-hours:											
Fatal	.2	.3	.2	.4	.3	.2	.3	.3	.2	.3	.1
Nonfatal	23	17	20	19	19	19	21	25	26	21	17
Rate per 1,000 workers: [1]											
Fatal	.4	.5	.5	.6	.5	.4	.5	.6	.4	.5	.2
Nonfatal	49	37	45	33	33	35	39	49	49	40	31
Metal and nonmetal mining: [3]											
Injuries, total	7,253	6,328	6,730	5,448	5,158	4,907	4,694	7,124	7,983	6,923	6,376
Fatal	121	92	93	71	66	56	68	62	57	46	56
Nonfatal	7,132	6,236	6,637	5,377	5,092	4,851	4,626	7,062	7,926	6,877	6,320
Rate per million work-hours:											
Fatal	.8	.6	.7	.3	.3	.2	.3	.3	.2	.2	.2
Nonfatal	45	42	47	24	22	20	20	29	31	28	24
Rate per 1,000 workers: [1]											
Fatal	.9	.8	.8	.6	.5	.5	.5	.5	.4	.3	.4
Nonfatal	50	52	60	44	40	39	37	56	59	51	44

[1] Average number of persons at work each day mines were active. [2] Includes manufacture of cement, except for 1974-1975. [3] Beginning 1975, nonmetal mines exclude extraction of Frasch process sulfur.

Source: 1960-1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; thereafter, U.S. Mine Safety and Health Administration, Denver, Colorado, unpublished data.

No. 1274. Land Utilized and Reclaimed by the Mining Industry in the United States in 1930-1980 and 1980, By Selected Commodity

[Includes area of surface mine excavation, area used for disposal of surface mine waste (includes coal, 1930-71 only), surface area subsided or disturbed as a result of underground workings (1930-71 only), surface area used for disposal of underground waste, and surface area used for disposal of mill, or processing waste. Excludes areas used for haulroads, fresh water reservoirs, railroads and public highways to edge of mining properties, and streams affected by acid drainage and sedimentation]

COMMODITY	LAND UTILIZED (acres)		LAND RECLAIMED (acres)		Percent reclaimed
	1930-80	1980	1930-80	1980	1930-80
Total [1]	**5,700,000**	**228,000**	**2,700,000**	**123,000**	**47.4**
Metals, total [1]	508,000	9,160	41,000	990	8.1
Copper	188,000	2,570	5,400	190	2.9
Iron ore	121,000	2,040	5,100	80	4.2
Uranium	17,000	310	1,300	70	7.7
Nonmetals, total [1]	2,353,000	95,600	635,600	29,810	27.0
Clays	230,000	6,920	86,100	3,220	37.4
Phosphate rock	270,000	19,420	65,200	4,830	24.2
Sand and gravel	960,000	38,800	296,000	13,140	30.8
Stone	743,000	27,560	174,400	7,640	23.5
Bituminous coal	2,700,000	121,710	2,036,000	92,220	75.4

[1] *Includes other* not shown separately.

Source: U.S. Bureau of Mines, Information Circular 8862, Land Utilization and Reclamation in the Mining Industry, 1930-80.

No. 1275. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1965 to 1981

Mineral	Unit	World production 1965	1970	1975	1980	1981, prel.	Percent U.S. of world 1965	1970	1975	1980	1981, prel.
Fuels: [1]											
Coal	Bil. sh. ton	3.1	3.3	3.7	4.2	4.2	17	18	18	20	19
Petroleum (crude)	Bil. bbl	11.1	16.7	19.3	21.8	20.4	26	21	16	14	15
Natural gas (dry, marketable)	Tril. cu. ft	(NA)	37.7	44.7	53.5	54.9	65	58	43	37	35
Nonmetals:											
Asbestos	Mil. sh. ton	3.1	3.9	4.6	5.4	5.2	4	3	2	2	2
Barite	Mil. sh. ton	3.9	4.3	5.4	8.1	8.7	22	20	25	28	33
Feldspar	Mil. sh. ton	2.2	2.8	2.9	3.5	3.4	32	26	23	20	19
Fluorspar	Mil. sh. ton	3.1	4.6	5.0	5.4	5.5	8	4	3	2	2
Gypsum	Mil. sh. ton	53.0	56.9	65.3	86.3	85.0	19	17	15	14	14
Mica (incl. scrap)	1,000 sh. ton	218	180	250	365	386	55	66	54	62	65
Nitrogen, agricultural [2]	Mil. sh. ton	18.5	33.4	46.7	78.7	78.8	27	25	20	21	20
Phosphate rock	Mil. sh. ton	70.3	93.6	118.6	152.5	152.8	34	41	41	39	39
Potash (K_2O equiv.)	Mil. sh. ton	15.1	20.0	27.4	30.5	30.2	21	14	9	8	8
Sulfur, elemental	Mil. lg. ton	15.3	22.2	49.9	55.7	54.8	48	39	22	21	22
Metals, mine basis:											
Bauxite	Mil. lg. ton	36.8	56.9	74.5	87.4	84.4	4	4	2	2	2
Copper [3]	Mil. sh. ton	5.6	6.6	7.7	8.4	9.0	24	26	18	15	19
Gold	Mil. troy oz	46.2	47.5	38.7	39.1	40.8	4	4	3	2	3
Iron ore	Mil. lg. ton	611	754	887	882	847	14	12	9	8	9
Lead [3]	Mil. sh. ton	3.0	3.7	3.8	3.8	3.7	10	15	17	16	13
Mercury	1,000 flask [4]	276	284	252	204	207	7	10	3	15	14
Molybdenum [3]	Mil. lb	115	181	177	242	240	67	61	60	62	58
Nickel [3]	1,000 sh. ton	468	693	868	821	772	3	2	2	2	2
Silver	Mil. troy oz	257	301	298	340	365	16	15	12	10	11
Titanium concentrates:											
Ilmenite	Mil. sh. ton	[5] 2.7	[5] 4.0	3.2	4.0	4.0	36	23	22	14	13
Tungsten	Mil. lb	59.6	71.4	84.3	114.1	108.4	13	13	7	5	7
Uranium oxide (U_3O_8) [5]	1,000 sh. ton	21	24	27	(NA)	(NA)	49	53	43	(NA)	(NA)
Vanadium [3]	1,000 sh. ton	9.1	19.9	23.2	38.3	38.9	58	26	20	13	13
Zinc [3]	Mil. sh. ton	4.7	6.0	6.4	6.4	6.4	13	9	7	5	5
Metals, smelter basis:											
Aluminum	Mil. sh. ton	7.0	10.6	13.4	17.0	16.6	37	37	29	30	30
Cadmium	Mil. lb	26.1	36.5	33.9	40.0	39.1	27	26	13	9	9
Copper	Mil. sh. ton	6.1	6.8	7.7	8.8	9.2	24	24	18	13	17
Iron, pig (incl. ferroalloys)	Mil. sh. ton	369	474	529	563	552	25	19	15	12	13
Lead	Mil. sh. ton	2.9	3.6	3.6	5.7	5.5	14	18	17	24	23
Magnesium	1,000 sh. ton	178	242	258	350	328	46	46	47	48	44
Steel ingots and castings	Mil. sh. ton	507	655	713	787	776	26	20	16	14	15
Tin	1,000 m. ton [6]	200	227	228	250	242	2	(NA)	3	1	1
Zinc	Mil. sh. ton	4.4	5.3	5.5	6.7	6.8	23	16	8	6	6

NA Not available. [1] Source: Beginning 1975, Energy Information Administration, *International Energy Annual.* See table 1281 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. 1276. Federal Strategic and Critical Materials Inventory: 1970 to 1982

[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] 1970	1975	1980	1981	1982	Value (mil. dol.) 1970	1975	1980	1981	1982
Tin	1,000 lg. ton	253	207	200	197	191	942	1,361	3,158	3,344	2,503
Silver	1,000 troy oz	165,000	139,500	139,500	137,506	137,506	297	556	2,288	1,097	1,423
Cobalt	Mil. lb	72	46	41	41	46	158	185	1,020	747	572
Bauxite [2]	1,000 lg. ton	16,797	14,332	14,333	14,333	15,958	286	350	583	666	733
Manganese [3]	1,000 sh. ton	10,001	4,274	3,495	4,837	4,775	451	522	540	579	556
Tungsten [4]	Mil. lb	82	75	62	93	92	272	414	533	713	493
Zinc	1,000 sh. ton	1,120	375	376	378	378	347	291	313	338	293
Titanium	1,000 sh. ton	24	27	21	32	32	60	145	301	459	353
Platinum	1,000 troy oz	450	453	440	453	453	60	72	209	215	215
Chromium [5]	1,000 sh. ton	760	760	763	784	784	392	815	747	788	784
Diamond: Stones	Carat	25,230	20,000	19,224	17,748	17,024	298	168	349	399	400
Industrial, bort	Carat	42,611	33,577	23,693	23,693	22,193	101	70	73	53	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* (OP–4).

No. 1277. Average Annual Imports and Exports of Minerals in Constant (1972) Dollars: 1950 to 1977

[In millions of constant (1972) dollars]

Item	Imports						Exports					
	1950–1954	1955–1959	1960–1964	1965–1969	1970–1974	1975–1977	1950–1954	1955–1959	1960–1964	1965–1969	1970–1974	1975–1977
Minerals[1]	3,301	4,528	4,884	6,647	9,832	13,173	1,421	1,845	1,824	2,045	2,346	2,413
Iron and ferroalloy ores	649	918	942	1,307	1,455	1,497	208	366	484	468	585	594
Other metal ores	1,232	1,379	1,000	1,350	1,551	1,756	283	392	560	578	617	616
Fuels	1,172	1,922	2,570	3,475	6,182	9,202	857	974	617	750	825	834
Other nonmetallic	148	197	245	380	488	580	69	106	152	228	293	332

[1] Includes construction material.

Source: U.S. Bureau of the Census and U.S. Bureau of Mines: *Raw Materials in the United States Economy 1900–1977*, Technical Paper 47.

No. 1278. Selected Mineral and Metal Products—Quantity and Value of Imports and Exports: 1970 to 1982

[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	1970	1975	1980	1981	1982	1970	1975	1980	1981	1982
IMPORTS												
Petroleum (crude)[1]	Mil. bbl.	535	1,581	1,975	1,751	1,417	1,260	18,290	61,899	61,458	45,724
Nonmetallic minerals:												
Abrasives:												
Diamonds (industrial)	Mil. carat	13.4	14.3	21.8	20.4	19.1	49	53	111	111	86
Gem stones: Diamonds	Mil. carat	4.3	4.6	4.2	4.4	4.6	425	722	2,251	2,201	1,918
Ores and concentrates:												
Bauxite (crude)	Mil. lg. ton	13.6	11.5	13.9	12.6	10.0	160	245	(NA)	(NA)	(NA)
Chromium (Cr_2O_3 content)	1,000 sh. ton	647	559	410	368	209	32	61	57	50	30
Copper	1,000 sh. ton	65	29	58	43	130	77	36	73	57	141
Iron	Mil. lg. ton	44.9	46.7	25.1	28.3	14.5	480	860	773	948	471
Tungsten	Mil. lb	1.3	6.6	11.4	11.8	7.8	3	32	87	91	47
Metals:												
Aluminum	1,000 sh. ton	350	434	581	711	679	164	317	778	991	858
Cobalt	Mil. lb	11.9	6.1	15.0	13.9	11.6	26	26	359	239	138
Copper refined in ingots, etc	1,000 sh. ton	132	143	471	364	285	149	166	935	582	395
Gold (bullion)	Mil. troy oz.	8.4	2.3	4.1	4.2	4.2	227	407	2,507	1,943	1,651
Iron and steel products (major)	Mil. sh. ton	13.7	12.4	16.2	20.7	17.3	2,066	4,507	7,713	11,202	10,290
Platinum group[2]	Mil. troy oz.	1.4	1.7	3.5	2.8	2.5	105	273	1,177	800	554
Silver (bullion)	Mil. troy oz.	29.6	61.6	64.8	75.9	96.9	53	274	1,332	837	786
Zinc: Blocks, pigs, slabs	1,000 sh. ton	260	375	452	675	503	74	274	319	549	371
EXPORTS												
Fuels:[1]												
Bituminous coal	Mil. sh. ton	71.0	65.8	89.9	110.2	105.2	955	3,242	4,523	5,809	5,938
Petroleum (crude)	Mil. bbl.	5.0	(Z)	30.6	16.4	13.1	17	(Z)	751	577	469
Nonmetallic minerals:												
Gem stones: Diamonds	Mil. carat	(NA)	.3	1.3	3.2	2.7	(NA)	237	1,041	854	639
Nitrogen compounds (maj.)	Mil. sh. ton	3.4	4.7	11.1	8.4	7.8	151	860	1,842	1,398	1,179
Phosphatic fertilizers[3]	Mil. sh. ton	.8	3.6	43.4	26.0	41.2	29	725	1,383	1,035	837
Metals:												
Aluminum: Ingots, slabs, crude	1,000 sh. ton	408	186	715	344	401	215	134	1,107	527	476
Plates, sheets, bars, etc	1,000 sh. ton	138	171	306	264	194	107	229	716	625	440
Gold (refined bullion)	Mil. troy oz.	1.0	3.1	4.7	5.2	1.6	34	429	2,787	2,501	591
Iron and steel products (major)	Mil. sh. ton	7.6	3.9	4.5	3.3	2.2	1,375	2,970	3,504	3,414	2,515
Magnesium[4]	1,000 sh. ton	35.7	32.6	56.8	34.9	39.6	23	48	128	91	105
Molybdenum[5]	1,000 lb	671	317	614	2,641	697	.8	.9	5	10	2
Silver (refined bullion)	Mil. troy oz.	17.2	22.6	57.2	15.1	12.9	31	104	1,327	181	106
Scrap exports:												
Aluminum	1,000 sh. ton	57	67	445	241	214	21	29	483	236	158
Iron and steel	Mil. sh. ton	10.9	9.6	11.4	6.5	6.9	459	781	1,257	653	623

NA Not available. 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. 1279. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1960 to 1982, and by Major Foreign Sources, 1978–1981

[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	1960	1970	1978	1979	1980	1981	1982	Rank of major foreign sources, 1978–1981
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	94	100	100	100	100	100	100	India, Brazil, Madagascar.
Strontium	100	100	100	100	100	100	100	Mexico.
Manganese	89	95	97	98	98	98	99	**Ore:** Gabon, So. Africa, Australia, Brazil.
Bauxite [1]	74	88	93	93	94	94	97	**Bauxite:** Jamaica, Guinea, Suriname; **Alumina:** Australia, Jamaica, Suriname.
Tantalum	94	96	97	96	90	92	90	Thailand, Canada, Malaysia, Brazil.
Cobalt	66	98	95	94	93	92	91	Zaire, Zambia, Belgium-Luxembourg, Finland.
Chromium	85	89	91	90	91	90	88	**Chromite:** So. Africa, Soviet Union, Philippines; **Ferrochrome:** So. Africa, Yugoslavia, Zimbabwe, Brazil.
Platinum group	82	78	90	89	88	83	85	Rep. of So. Africa, Soviet Union, United Kingdom.
Tin	82	81	79	80	79	77	72	Malaysia, Thailand, Bolivia, Indonesia.
Asbestos	94	83	85	83	78	78	74	Canada, Rep. of So. Africa.
Nickel	72	71	80	69	71	68	75	Canada, Norway, Botswana, Australia.
Potassium	(2)	42	64	66	65	65	71	Canada, Israel.
Zinc	46	54	66	63	60	64	53	**Ore:** Canada, Peru, Mexico; **Metal:** Canada, Spain, Mexico.
Cadmium	13	7	63	64	55	64	69	Canada, Australia, Mexico, Rep. of Korea.
Tungsten	32	50	56	58	53	50	48	Canada, Bolivia, China, Thailand.
Antimony	43	40	43	53	48	48	45	**Metal:** Bolivia, China, Mexico, Belgium-Luxembourg; **Ore:** Bolivia, Canada, Mexico, Chile.
Silver	43	26	43	42	7	53	59	Canada, Mexico, United Kingdom.
Selenium	25	11	43	28	59	49	50	Canada, Japan, Fed. Rep. of Germany, United Kingdom.
Titanium [3]	22	24	41	39	32	54	72	Australia, Canada, Rep. of So. Africa.
Barium	45	45	27	37	44	40	52	China, Peru, Chile, Morocco.
Vanadium	(2)	21	36	28	35	34	14	Rep. of So. Africa, Chile, Canada.
Mercury	25	41	64	59	26	44	43	Spain, Japan, Italy, Algeria.
Gypsum	35	39	32	35	35	37	36	Canada, Mexico, Spain.
Petroleum [4] [5]	17	22	43	43	37	34	26	Saudi Arabia, Nigeria, Mexico, Canada, Venezuela.
Iron ore	18	30	29	25	25	22	36	Canada, Venezuela, Brazil, Liberia.
Iron and steel	(2)	4	12	12	15	13	22	Europe, Japan, Canada.
Gold	56	59	53	50	18	15	43	Canada, Soviet Union, Switzerland.
Sulfur	(2)	(2)	12	11	14	5	3	Canada, Mexico.
Copper	(2)	(2)	20	12	14	–	7	Chile, Canada, Peru, Zambia.
Natural gas [5]	1	4	5	6	5	4	5	Canada, Mexico, Algeria.
Aluminum	(2)	(2)	11	4	(2)	(2)	4	Canada, Ghana, Norway, Japan.

– Represents zero. [1] Includes alumina. [2] Net exports. [3] Ilmenite. [4] Includes crude and products. [5] Source: Beginning 1978, Energy Information Administration: *Annual Report to Congress*, vol. II.

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

No. 1280. Petroleum Industry—Summary: 1940 to 1982

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.)	Operable output (mil. bbl.)
	Total (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.)				
1940	389	9.6	30	19	2	7	1,353	1.4	1.02	43	41	1,536	1,333
1945	416	11.3	27	14	3	7	1,714	2.1	1.22	74	39	1,853	1,794
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	4,388	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	1,184	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	600	5,985	5,794
1978	517	17.0	47	18	13	16	3,178	28.3	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, prel	569	15.1	86	40	19	27	3,165	90.3	28.54	1,263	577	6,530	4,888

Source: 1940–1945, American Petroleum Institute, Washington, D.C., *Petroleum Facts and Figures*, biennial; beginning 1950, U.S. Energy Information Administration, *Annual Energy Review* and *Petroleum Supply Annual*.

No. 1281. Crude Oil, Natural Gas, and Coal—World Production, by Region: 1960 to 1981

Fuel and region	Production										Percent distribution		
	1960	1970	1973	1975	1976	1977	1978	1979	1980	1981, prel.	1960	1970	1981
Crude oil (mil. bbl.)													
World	**7,674**	**16,711**	**20,321**	**19,301**	**20,959**	**21,785**	**21,921**	**22,825**	**21,791**	**20,363**	**100.0**	**100.0**	**100.0**
United States	2,575	3,517	3,361	3,057	2,976	3,009	3,178	3,121	3,146	3,129	33.6	21.0	15.4
Other W. Hemisphere	1,555	2,377	2,531	2,090	2,076	2,135	2,217	2,468	2,567	2,624	20.3	14.2	12.9
Western Europe	99	116	164	218	334	518	663	860	926	984	1.3	.7	4.8
Africa	105	2,207	2,149	1,812	2,141	2,273	2,178	2,381	2,207	1,663	1.4	13.2	8.2
Middle East	1,923	5,096	7,689	7,126	8,050	8,123	7,702	7,869	6,737	5,745	25.1	30.5	28.2
Far East and Oceania	1,417	3,393	1,196	1,340	1,534	1,682	1,760	1,816	1,774	1,748	18.5	20.3	8.6
Eastern Europe and U.S.S.R.[1]			3,232	3,659	3,848	4,045	4,223	4,311	4,432	4,469			21.9
Natural gas[2] (tril. cu. ft.)													
World	**16.92**	**37.66**	**43.41**	**44.38**	**46.44**	**47.78**	**49.07**	**52.26**	**53.52**	**54.93**	**100.0**	**100.0**	**100.0**
United States	12.77	21.92	21.73	19.24	19.10	19.16	19.12	19.66	19.60	19.42	75.5	58.2	35.4
Other W. Hemisphere	1.30	3.55	4.16	4.06	4.08	4.39	4.64	5.03	5.12	5.09	7.7	9.4	9.3
Western Europe	.43	2.75	5.15	6.07	6.46	6.01	5.79	6.59	6.40	6.38	2.6	7.3	11.6
Africa	.01	.12	.32	.37	.54	.50	.57	.66	.96	1.37	(Z)	.3	2.5
Middle East	.06	.46	1.18	1.42	1.50	1.72	2.00	1.95	1.61	1.40	.3	1.2	2.5
Far East and Oceania	2.35	8.86	.92	1.27	1.48	1.73	1.84	2.06	2.44	2.64	13.9	23.5	4.8
Eastern Europe and U.S.S.R.			9.96	11.95	13.27	14.26	15.11	16.32	17.38	18.63			33.9
Coal (mil. sh. ton)													
World	**2,899**	**3,317**	**3,447**	**3,673**	**3,772**	**3,840**	**3,921**	**4,121**	**4,197**	**4,208**	**100.0**	**100.0**	**100.0**
United States	434	613	599	655	685	697	670	781	830	820	15.0	18.5	19.5
Other W. Hemisphere	21	28	36	43	44	49	51	57	64	69	.7	.8	1.6
Western Europe	618	500	508	509	518	506	509	529	543	566	21.3	15.1	13.5
Africa	48	66	75	82	91	100	105	120	133	149	1.7	2.0	3.5
Middle East, Far East and Oceania	1,778	2,111	800	890	921	942	1,026	1,063	1,061	1,087	61.3	63.6	25.8
Eastern Europe and U.S.S.R.			1,431	1,494	1,513	1,546	1,560	1,571	1,566	1,517			36.1

Z Less than .05 percent. [1] 1960 and 1970, include Cuba. [2] Marketed production, wet, through 1970; thereafter dry.

Source: 1960 and 1970, U.S. Dept. of Interior, *Energy Perspectives 2*, June 1976, and unpublished data; thereafter, U.S. Energy Information Administration, *International Energy Annual*, September 1982.

No. 1282. Fuel Consumption, by Type of Use: 1960 to 1982

Fuel and use	Unit	Consumption								Percent use			
		1960	1965	1970	1975	1979	1980	1981	1982[1]	1965	1970	1980	1982[1]
Petroleum[2]	**Mil. bbl**	**3,586**	**4,202**	**5,364**	**5,958**	**6,757**	**6,242**	**5,861**	**5,568**	**100**	**100**	**100**	**100**
Fuel use[3]	Mil. bbl	(NA)	3,802	4,787	5,299	5,918	5,455	5,109	4,864	90	89	87	87
Nonfuel use[3]	Mil. bbl	(NA)	400	578	659	839	788	752	704	10	11	13	13
Residential[4]	Mil. bbl	628	699	797	710	630	555	487	465	16	15	10	8
Industrial	Mil. bbl	994	1,189	1,396	1,483	1,954	1,775	1,566	1,459	28	26	27	26
Transportation	Mil. bbl	1,879	2,199	2,833	3,258	3,648	3,491	3,456	3,393	52	53	56	61
Electrical generation	Mil. bbl	85	115	339	506	525	421	352	251	3	6	7	4
Natural gas (dry)	**Bil. cu. ft**	**11,967**	**15,280**	**21,139**	**19,538**	**20,241**	**19,877**	**19,404**	**17,942**	**100**	**100**	**100**	**100**
Fuel use[3]	Bil. cu. ft	(NA)	(NA)	(NA)	19,008	19,646	19,288	18,824	17,421	(NA)	(NA)	97	97
Nonfuel use[3]	Bil. cu. ft	(NA)	(NA)	(NA)	530	595	589	580	520	(NA)	(NA)	3	3
Residential[4]	Bil. cu. ft	4,123	5,346	7,235	7,432	7,751	7,363	7,066	7,315	35	34	37	41
Industrial[5]	Bil. cu. ft	4,535	5,955	7,851	6,968	6,899	7,172	7,127	5,954	39	37	36	33
Pipeline fuel	Bil. cu. ft	347	501	722	583	601	635	642	594	3	3	3	3
Electrical generation	Bil. cu. ft	1,725	2,321	3,932	3,158	3,491	3,682	3,640	3,227	15	19	19	18
Lease and plant fuel	Bil. cu. ft	1,237	1,156	1,399	1,396	1,499	1,026	928	852	8	7	5	5
Coal[6][7]	**Mil. sh. ton**	**398**	**472**	**523**	**563**	**681**	**703**	**733**	**708**	**100**	**100**	**100**	**100**
Fuel use[3]	Mil. sh. ton	393	467	518	563	677	700	730	706	99	99	100	100
Nonfuel use[3]	Mil. sh. ton	5	5	6	5	3	3	3	2	1	1	(Z)	(Z)
Residential[4]	Mil. sh. ton	41	26	16	9	8	6	7	7	6	3	1	1
Industrial	Mil. sh. ton	177	201	187	147	145	127	128	106	43	36	18	15
Electrical generation	Mil. sh. ton	177	245	320	406	527	569	597	594	52	61	81	84

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, 1960 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. [7] Includes transportation and miscellaneous, not shown separately.

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

No. 1283. Crude Petroleum and Refined Products: 1965 to 1982

[**Barrels of 42 gallons.** See tables 992, 993 and 1075 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138–142, M 178, and M 181]

Item	Unit	1965	1970	1973	1975	1978	1979	1980	1981	1982 [1]
Crude petroleum:										
Domestic production	Mil. bbl	2,849	3,517	3,361	3,057	3,178	3,121	3,146	[1] 3,129	3,165
Value at wells	Bil. dol	8.1	11.2	13.1	23.4	28.6	39.5	66.9	99.4	90.3
Average price per barrel at wells	Dol	2.86	3.18	3.89	7.67	9.00	12.64	21.59	31.77	28.54
World production	Mil. bbl	11,058	16,719	20,561	19,301	21,921	22,825	21,791	[1] 20,363	19,290
U.S. proportion of world total	Percent	26	21	17	16	14	14	14	15	16
Imports	Mil. bbl	452	483	1,184	1,498	2,320	2,380	1,926	1,605	1,263
Value [2]	Mil. dol	1,118	1,052	4,231	18,374	32,140	46,100	62,014	61,940	45,862
Exports	Mil. bbl	1	5	1	2	58	86	105	83	86
Value [2]	Mil. dol	2,841	4,991	2,621	178	389	394	751	577	469
Stocks, Dec. 31	Mil. bbl	220	276	242	271	376	430	466	594	642
Proved reserves [3] Dec. 31	Mil. bbl	31,352	39,001	35,300	32,682	31,355	29,810	29,805	29,426	(NA)
Refinery:										
Total capacity (Dec. 31) [4]	Mil. bbl	3,308	4,694	5,242	5,577	6,366	6,584	6,589	6,530	6,154
Crude oil receipts at refineries	Mil. bbl	3,297	3,973	4,546	4,546	5,373	5,346	4,934	4,563	4,331
By pipeline: Domestic	Mil. bbl	2,363	2,840	2,905	2,662	2,418	2,329	2,275	2,343	2,401
Foreign	Mil. bbl	107	237	409	398	594	612	503	346	406
By water: Domestic	Mil. bbl	444	610	399	305	584	592	642	587	619
Foreign	Mil. bbl	344	244	775	1,101	1,683	1,722	1,406	1,184	817
By tank cars and trucks	Mil. bbl	38	43	58	80	94	108	121	103	89
Utilization rate [4] [5]	Percent	(NA)	88.6	89.8	84.2	86.9	87.6	81.0	77.4	69.8
Refined products:										
Operating refineries, Dec. 31	Number	286	279	284	287	311	319	315	254	233
Daily crude oil capacity [6]	Mil. bbl	10.2	12.7	14.2	14.9	17.1	18.0	18.1	16.1	15.0
Retail prices for leaded regular motor gasoline (U.S. city average)	Cents	[7] 31.2	[7] 35.7	[7] 38.8	56.7	62.6	85.7	119.1	131.1	122.2
Yield of gasoline	Percent	44.0	45.3	45.6	46.5	44.1	43.0	44.5	44.5	46.2
Imports	Mil. bbl	449	765	1,099	712	733	707	603	584	577
Value [2]	Mil. dol	1,047	1,413	3,318	6,751	6,844	9,752	11,502	13,328	13,200
Exports	Mil. bbl	67	89	84	74	74	86	94	134	211
Value [2]	Mil. dol	482	424	391	325	685	858	1,242	2,088	4,589
Stocks, Dec. 31	Mil. bbl	616	741	766	862	901	911	926	890	787

NA Not available. [1] Preliminary. [2] Source: U.S. Bureau of the Census, *FT 135*, monthly, and *FT 410*, monthly. [3] Source: 1965–1975 American Petroleum Institute, Washington, D.C., thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [4] Source: 1965–1980 U.S. Energy Information Administration, *Petroleum Refineries in the United States* and *U.S. Territories*, annual. [5] Crude runs as percent of total capacity. [6] Operating capacity. [7] 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. 1284. Petroleum—Runs to Stills and Refinery Products, by Type: 1965 to 1982

[**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	1965	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982, prel.	Percent 1970	Percent 1980	Percent 1982, prel.
Input [1]	**3,560**	**4,290**	**4,890**	**4,827**	**5,197**	**5,602**	**5,646**	**5,561**	**5,133**	**4,921**	**4,694**	**100.0**	**100.0**	**100.0**
Crude petroleum	3,301	3,968	4,537	4,541	4,910	5,330	5,379	5,346	4,934	4,552	4,297	92.5	96.1	91.5
Domestic	2,848	3,485	3,360	3,047	2,989	2,932	3,100	3,018	3,023	(NA)	(NA)	81.2	58.9	(NA)
Foreign	453	482	1,177	1,494	1,921	2,398	2,280	2,328	1,911	(NA)	(NA)	11.2	37.2	(NA)
Natural gas liquids [2]	227	284	308	273	279	264	252	202	185	369	397	6.6	3.6	8.5
Output	**3,769**	**4,421**	**5,057**	**4,995**	**5,372**	**5,794**	**5,828**	**5,753**	**5,352**	**5,106**	**4,888**	**100.0**	**100.0**	**100.0**
Gasoline	1,693	2,100	2,399	2,393	2,503	2,566	2,630	2,508	2,388	2,336	2,313	47.5	44.6	47.3
Distillate fuel oil	765	896	1,029	968	1,070	1,196	1,156	1,151	974	954	951	20.3	18.2	19.5
Residual fuel oil	269	258	354	451	504	640	609	616	578	482	390	5.8	10.8	8.0
Jet fuel	191	302	314	318	336	355	354	369	366	353	357	6.8	6.8	7.3
Petrochemical feedstocks	58	100	133	122	164	193	223	252	254	220	160	2.3	4.7	3.3
Still gas for fuel [3]	139	164	177	175	181	191	200	205	197	199	195	3.7	3.7	4.0
Asphalt [4]	124	147	168	144	140	154	173	169	141	123	119	3.3	2.6	2.4
Coke (5 bbl.=1 sh. ton)	86	108	132	129	130	135	135	137	135	142	150	2.4	2.5	3.1
Liquefied refinery gases	107	117	128	109	119	122	125	121	119	115	99	2.6	2.2	2.0
Kerosene	93	95	79	55	56	62	56	67	50	44	42	2.1	.9	.9
Other finished products	244	134	144	131	169	180	167	158	148	138	112	3.0	2.8	2.3
Processing gains	−80	−131	−165	−168	−175	−191	−181	−192	−219	−185	−194	(x)	(x)	(x)

NA Not available. X Not applicable. [1] Includes unfinished oil rerun net. [2] Includes other liquid hydrocarbon. [3] 1 barrel=3,600 cu. ft. [4] 5.5 barrels=1 sh. ton.

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

No. 1285. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, by Type of Well: 1960 to 1981

[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]

Item and 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	
All wells: 1960	44,133	538	186.4	2,424	208	4,223	55	386	13.01
1965	39,596	1,037	178.7	2,401	428	4,513	61	413	13.44
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
Oil wells: 1960	21,294	301	84.0	1,111	98	3,946	52	326	13.22
1965	18,857	487	76.5	1,067	193	4,059	57	396	13.94
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
Gas wells: 1960	5,262	87	29.1	540	53	5,526	103	606	18.58
1965	4,772	118	26.5	486	67	5,552	102	571	18.35
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
Dry holes: 1960	17,577	150	73.3	774	57	4,168	44	377	10.56
1965	15,967	432	75.7	849	167	4,739	53	387	11.21
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

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

No. 1286. Petroleum Inventories at the Beginning of Peak Seasons: 1970 to 1982

Fuel	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Petroleum, total (Sept. 30)	Mil. bbls	1,010	1,016	1,114	1,147	1,192	1,304	1,263	1,309	1,447	1,476	1,414
	Days' supply [1]	72.6	60.3	68.3	72.7	71.4	73.4	69.9	74.5	89.8	95.0	94.9
Motor gasoline (Mar. 31)	Mil. bbls	235.2	207.7	220.3	248.7	239.1	262.2	259.6	240.1	282.8	232.4	198.1
	Days' supply [1]	43.7	32.7	36.6	40.0	36.3	38.8	37.4	33.8	43.9	36.6	31.9
Distillate fuel oil (Sept. 30)	Mil. bbls	205.7	190.2	208.3	220.8	232.3	252.8	220.7	220.4	232.4	207.3	161.2
	Days' supply [1]	116.9	75.6	89.3	102.8	98.1	96.1	82.9	83.0	100.1	85.5	71.4
Residual fuel oil (Sept. 30)	Mil. bbls	53.9	55.1	60.3	76.9	76.4	87.5	81.3	87.8	87.9	80.2	61.8
	Days' supply [1]	29.0	21.1	24.2	34.4	29.6	29.9	29.0	34.6	38.0	42.2	40.7

[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. 1287. 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 550]

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. 1288. Crude Petroleum and Natural Gas—Sales Volume, Lease Revenues, Drilling Expenditures, and Employment, 1974 to 1981

[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					Percent of total		
		Top 8	Next 8	Next 16	Top 50	Top 100	Top 8	Top 16	Top 32
Sales volume of—									
Crude petroleum (mil. bbl.):[2] 1974	3,159	1,708	581	291	2,693	2,811	54	72	82
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	3,112	1,534	570	330	2,539	2,679	49	68	78
Natural gas (bil. cu. ft.): 1974	21,878	9,861	4,065	2,529	17,539	19,096	45	64	75
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	3,963	2,855	15,125	16,939	33	53	67
1981	20,252	6,232	3,915	3,272	15,056	16,861	31	50	66
Lease revenues for—									
Crude petroleum (mil. dol.):[2] 1974	20,938	11,205	3,708	1,812	17,495	18,345	54	71	80
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	11,907	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	96,601	45,842	18,948	10,647	78,838	83,693	48	67	78
Natural gas (mil. dol.): 1974	6,726	3,036	1,238	777	5,400	5,894	45	64	75
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
Drilling expenditures (mil. dol.):[3] 1974	4,607	1,338	585	529	2,711	3,388	29	42	53
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	26,884	23	36	46
Employment (1,000): 1974	125	38	16	16	75	83	30	43	56
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

[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. 1289. Sales and Exports of Liquefied Petroleum Gases and Ethane in the United States: 1979 to 1982

[**In millions of gallons.** Data reported by approximately 3,400 suppliers of ethane and liquefied petroleum gases. The suppliers include refiners, operators of natural gas processing plants, liquefied petroleum gas dealers, and importers]

Item	1979	1980	1981	1982
Total	**19,202**	**18,604**	**20,803**	**19,441**
Product type:				
Ethane	6,074	5,757	7,888	7,522
Propane	11,133	10,944	11,123	10,351
Butane [1]	1,774	1,595	1,487	1,369
Butane-Propane mixtures	221	308	305	200
Principal uses:				
Residential and commercial	4,764	4,373	4,217	4,047
Principal uses—Continued				
Internal combustion engine fuel	444	508	554	644
Industrial [2]	2,105	2,217	2,083	2,095
Utility gas	528	594	446	318
Chemical [3]	8,160	7,808	10,439	9,679
Miscellaneous [4]	3,200	3,104	3,064	2,658
Exports [5]	227	329	991	645

[1] Includes isobutane. [2] Includes refinery fuel use. [3] Includes use in synthetic rubber manufacture. [4] Includes farm uses, use as synthetic natural gas feedstock and use in secondary recovery projects. [5] Not included in U.S. total.

Source: U.S. Energy Information Administration, *Energy Data Reports; Sales of Liquefied Petroleum Gases and Ethane in 1980,* and *Petroleum Supply Annual.*

No. 1290. 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. 1291. U.S. Direct Investment Abroad in Mining and Smelting and in Petroleum—Value, 1970 to 1982, and Income, 1982, by Region and Country

[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, 1982 [1]	
	Mining and smelting					Petroleum						
	1970	1975	1980	1981	1982 [1]	1970	1975	1980	1981	1982 [1]	Mining, smelting	Petroleum
All areas	**5,405**	**6,548**	**6,754**	**7,217**	**6,574**	**19,754**	**25,972**	**47,591**	**51,223**	**55,697**	**161**	**10,333**
Developed countries	3,286	4,398	4,539	4,703	3,750	11,205	20,129	34,621	35,509	35,845	133	5,011
Canada	2,574	3,053	3,051	3,180	2,168	4,337	6,220	10,800	8,715	8,652	–108	1,087
Europe	36	41	35	29	28	5,481	11,165	20,101	22,618	22,968	1	3,369
Japan	–	–	–	–	–	525	1,313	1,570	1,737	1,712	–	271
Australia, New Zealand, and South Africa	675	1,305	1,453	1,494	1,554	863	1,430	2,149	2,440	2,513	240	284
Developing countries	2,119	2,150	2,215	2,514	2,824	6,644	2,519	(D)	12,346	16,040	28	4,638
Latin America	1,712	1,476	1,624	1,950	2,295	2,703	3,324	4,380	4,814	6,465	11	954
Other Africa	340	488	458	430	401	1,750	1,336	2,247	2,687	3,525	18	829
Middle East [2]	(Z)	5	(D)	(D)	7	1,265	–4,888	(D)	707	1,104	–	593
Other Asia and Pacific	67	181	(D)	(D)	120	926	2,746	2,777	4,138	4,946	(Z)	2,262
International	(X)	(X)	(X)	(X)	(X)	1,905	3,323	(D)	3,368	3,812	(X)	685

– Represents zero. D Withheld to avoid disclosure of individual companies. X Not applicable. Z Less than $500,000. [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, 1981, and 1982 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 1983, and supplement titled *Revised Data Series on U.S. Direct Investment Abroad, 1966-78.*

No. 1292. Foreign Direct Investment in Petroleum in the United States: 1975 to 1982

[In millions of dollars. Investment at yearend]

Year	Petroleum investment	Income from investment	Area	Investment			Income		
				1980	1981	1982, prel.	1980	1981	1982, prel.
1975	6,213	714	Canada	1,308	1,387	1,256	151	87	–138
1976	5,921	803	Europe [1]	9,766	14,937	17,370	2,875	2,864	2,714
1977	6,573	836	United Kingdom	–311	–165	4,555	16	–41	(D)
1978	7,762	1,239	Netherlands	8,340	10,699	7,902	(D)	2,631	1,464
1979	9,906	2,037	Japan	58	2	71	(D)	2	2
1980	12,363	3,467	Australia, New Zealand, and So. Africa	–3	22	10	–	3	12
1981	18,005	3,392	Latin America	1,184	1,625	1,814	(D)	416	241
1982	20,488	2,831	Middle East	1	8	(Z)	(Z)	(Z)	(Z)
			Africa,[2] Asia, and Pacific	48	24	–32	(Z)	(Z)	(Z)

– Represents zero. D Withheld to avoid disclosing figures for individual companies. 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,* August issues.

No. 1293. Crude Petroleum and Natural Gas—Production, by States: 1966 to 1982

[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.	1975	1980	1981	1982, prel.	1966–1970, avg.	1971–1975, avg.	1976–1980, avg.	1975	1980	1981	1982, prel.
Total	**3,292**	**3,306**	**3,085**	**3,057**	**3,146**	**3,129**	**3,157**	**19,464**	**21,876**	**20,161**	**20,109**	**20,379**	**20,178**	**18,532**
Ala.	8	11	19	13	22	21	20	(z)	16	75	38	106	119	124
Alaska	53	73	357	70	592	587	619	41	134	202	160	231	243	255
Ark.	21	17	19	16	18	18	19	146	147	108	116	112	93	92
Calif.	365	337	346	322	357	385	402	683	447	307	318	310	381	365
Colo.	30	34	35	38	30	30	31	120	136	188	172	191	199	210
Fla.	2	27	47	42	43	35	26	(z)	27	48	44	46	36	27
Ill.	54	32	24	26	23	24	28	5	1	1	1	2	1	1
Ind.	9	6	5	5	5	5	6	(z)	(z)	(z)	(z)	(z)	(z)	(z)
Kans.	94	68	58	59	60	66	71	868	880	800	844	735	640	430
Ky.	14	9	6	8	6	7	7	83	66	63	61	57	61	53
La.	804	809	533	651	469	449	458	6,446	7,828	7,181	7,091	6,940	6,780	6,131
Mich.	13	16	33	24	34	33	31	37	55	143	102	158	153	144
Miss.	60	56	40	47	36	34	33	138	95	118	74	185	211	202
Mont.	40	34	31	33	30	31	31	32	44	49	41	52	57	55
Nebr.	13	8	6	6	6	7	7	8	3	3	3	3	3	2
N. Mex.	127	105	82	95	75	72	71	1,101	1,213	1,188	1,217	1,150	1,134	997
N. Dak.	24	21	28	20	40	45	47	39	30	30	25	42	43	57
Ohio	11	9	11	10	13	14	15	46	88	113	85	139	141	123
Okla.	225	190	152	163	150	154	159	1,455	1,701	1,800	1,605	1,892	2,019	1,934
Pa.	4	3	3	3	3	4	4	85	79	95	84	97	122	106
Texas	1,142	1,261	1,081	1,222	977	945	925	7,570	8,276	7,044	7,486	7,252	7,050	6,498
Utah	24	33	31	42	25	26	22	51	46	65	55	88	91	93
W. Va.	3	3	2	2	2	3	3	227	203	153	154	157	161	152
Wyo.	146	141	133	136	126	131	118	275	351	368	316	410	410	384
Other	5	3	4	3	5	3	4	10	10	19	16	24	30	26

Z Less than 500 million cubic feet. [1] Including 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, and *Natural Gas Monthly Report*, unpublished data, and *Petroleum Statement*, annual, and *Petroleum Supply Annual, State Energy Overview.*

No. 1294. Natural Gas—Supply, Production, Consumption, Reserves, and Marketed Production: 1965 to 1982

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

ITEM	Unit	1965	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Producing wells (yearend)	1,000	112	117	124	132	138	148	157	170	182	199	216
Production value at wells [1]	Bil. dol	2.6	3.7	5.0	9.0	11.6	15.8	18.2	24.2	32.4	40.0	44.6
Avg. per 1,000 cu. ft.	Cents	15.6	17.1	21.6	44.5	58.0	79.0	90.5	117.8	160.3	198.0	242.0
Proved reserves [2]	Tril. cu. ft.	286	291	250	228	216	207	208	201	199	202	204
Total supply [3]	**Bil. cu. ft**	**17,456**	**24,200**	**25,213**	**22,821**	**22,837**	**22,786**	**23,097**	**23,772**	**23,336**	**23,012**	**21,588**
Marketed production [1]	Bil. cu. ft.	16,040	21,921	22,647	20,109	19,952	20,025	19,974	20,471	20,379	20,178	18,532
Drawn from storage	Bil. cu. ft.	960	1,459	1,533	1,760	1,921	1,750	2,158	2,047	1,972	1,930	2,084
Imports [4]	Bil. cu. ft.	456	821	1,033	953	964	1,011	966	1,253	985	904	972
Consumption, total	Bil. cu. ft.	15,280	21,139	22,049	19,538	19,946	19,521	19,627	20,241	19,877	19,404	17,942
Residential	Bil. cu. ft.	3,903	4,837	4,879	4,924	5,051	4,821	4,903	4,965	4,752	4,546	4,702
Commercial [5]	Bil. cu. ft.	1,444	2,399	2,597	2,508	2,668	2,501	2,601	2,786	2,611	2,520	2,613
Industrial	Bil. cu. ft.	7,112	9,249	10,185	8,365	8,598	8,474	8,405	8,398	8,198	8,055	6,806
Lease and plant fuel	Bil. cu. ft.	1,156	1,399	1,496	1,396	1,634	1,659	1,648	1,499	1,026	928	852
Other industrial	Bil. cu. ft.	5,955	7,851	8,689	6,968	6,964	6,815	6,757	6,899	7,172	7,128	5,954
Electric utilities	Bil. cu. ft.	2,321	3,932	3,660	3,158	3,081	3,191	3,188	3,491	3,682	3,640	3,227
Transportation [6]	Bil. cu. ft.	501	722	728	583	548	533	530	601	635	642	594
Exports	Bil. cu. ft.	26	70	77	73	65	56	53	56	49	59	55
Stored	Bil. cu. ft.	1,078	1,857	1,974	2,104	1,756	2,307	2,278	2,295	1,949	2,228	2,378
Adjustments	Bil. cu. ft.	319	228	196	235	216	41	287	372	644	546	502
World production (dry)	Tril. cu. ft.	24.54	37.54	43.41	44.38	46.44	47.78	49.07	52.26	53.52	54.93	(NA)
U.S. production (dry)	Tril. cu. ft.	15.29	21.01	21.73	19.24	19.10	19.16	19.12	19.66	19.60	19.40	17.82
Percent U.S. of world	Percent	62.3	56.0	50.1	43.4	41.1	40.1	39.0	37.6	36.6	35.3	(NA)

NA Not available. [1] Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. It includes the nonhydrocarbon gases subsequently removed. [2] Estimated, end of year. Source: American Gas Association, Arlington, Va. (Copyright.) 1965–1976; thereafter U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [3] Excludes in transits receipts and deliveries at U.S. borders; beginning 1980, includes supplemental gas supplies not listed. [4] Beginning 1970, includes imports of liquefied natural gas. [5] Beginning 1970, includes deliveries to municipalities and public authorities for institutional heating and other purposes. [6] Pipeline fuel.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review* and *International Energy Annual*, September 1982.

No. 1295. Natural Gas Plant Liquids—Production and Value: 1960 to 1982

[**Barrels of 42 gallons.** 1960 excludes Alaska. See also *Historical Statistics, Colonial Times to 1970,* series M 143–146]

ITEM	Unit	1960	1965	1970	1973	1975	1977	1978	1979	1980	1981	1982
Total produced	Mil. bbl.	**340**	**442**	**606**	**634**	**596**	**590**	**572**	**578**	**576**	**581**	**562**
Natural gasoline and mixtures	Mil. bbl.	107	130	165	161	134	133	126	106	108	106	92
Liquefied petroleum gases (incl. ethane)	Mil. bbl.	201	268	400	447	444	443	432	444	441	459	459
Unfractionated stream (net) and other	Mil. bbl.	32	44	41	26	18	14	14	28	27	15	11
All light products:												
Average value	Dol. per bbl.	2.39	2.06	2.10	2.93	4.65	6.85	7.85	(NA)	(NA)	(NA)	(NA)
Average yield	Gal. per 1,000 cu ft.	1.46	1.35	1.37	1.35	1.42	1.41	1.41	1.47	1.63	1.65	1.71
Natural gas processed	Tril. cu ft.	10	14	19	20	18	18	17	16	15	15	14

NA Not available.

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. 1296. Coal and Coke—Summary: 1960 to 1982

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1982, was 483 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	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982[1]
COAL [2]											
Total production	Mil. sh. tons	434	527	613	655	697	670	781	830	824	833
Value	Mil. dol.	2,098	2,398	3,878	12,671	13,908	14,664	18,552	20,452	21,748	22,580
World production	Mil. sh. tons	2,899	3,079	3,295	3,673	3,840	3,921	4,121	4,197	4,208	(NA)
Bituminous coal and lignite:											
Number of mines	Number	7,865	7,228	5,601	6,168	6,077	6,229	6,150	6,200	6,200	6,200
Production	Mil. sh. tons	416	512	603	648	691	665	776	824	818	833
Value, total	*Mil. dol.*	1,950	2,276	3,773	12,472	13,705	14,486	18,359	20,196	21,514	22,741
Average per ton	Dollars	4.69	4.44	6.26	19.23	19.82	21.78	23.65	24.52	26.29	27.30
Method of mining:											
Underground	Mil. sh. tons	285	333	339	292	266	242	320	337	316	317
Surface	*Mil. sh. tons*	131	179	264	356	425	423	456	487	502	516
Percent of total production	Percent	31.4	35.1	43.8	54.8	61.5	63.6	58.7	59.0	61.4	62.0
Exports	Mil. sh. tons	37	50	71	66	54	40	65	90	110	105
Value	Mil. dol.	332	465	951	3,233	2,626	2,004	3,328	4,523	5,809	5,938
Imports	1,000 sh. tons	260	184	36	940	1,647	2,953	2,059	1,194	1,043	742
Value [3]	Mil. dol.	2	2	(z)	22	39	75	51	30	30	23
Consumption [4]	*Mil. sh. tons*	380	459	516	556	620	621	677	699	729	704
Electric power utilities	Mil. sh. tons	174	243	319	404	476	480	526	568	596	593
Industrial	Mil. sh. tons	173	197	184	146	138	133	144	126	128	105
Average employment [5]	1,000	169	134	140	190	221	242	224	225	226	215
Average days worked	Number	191	219	228	232	210	166	206	210	186	200
Average tons per worker:											
Per day	Tons	12.83	17.52	18.84	14.74	14.84	14.68	15.33	16.32	18.08	18.35
Per year	Tons	2,453	3,829	4,296	3,420	3,235	2,952	3,158	3,427	3,363	3,670
Production, by State:											
Alabama	Mil. sh. tons	13.0	14.8	20.6	22.6	21.5	20.6	23.9	26.4	24.5	25.2
Illinois	Mil. sh. tons	46.0	58.5	65.1	59.5	53.5	48.6	59.5	62.5	51.9	64.3
Indiana	Mil. sh. tons	15.5	15.6	22.3	25.1	27.8	24.2	27.5	30.9	29.3	30.3
Kentucky	Mil. sh. tons	66.8	85.8	125.3	143.6	146.3	135.7	149.8	150.1	157.6	150.1
Ohio	Mil. sh. tons	34.0	39.4	55.4	46.8	47.9	41.2	43.5	39.4	37.4	37.1
Pennsylvania	Mil. sh. tons	65.4	80.3	80.5	84.1	84.6	81.5	89.2	87.1	78.1	71.9
Virginia	Mil. sh. tons	27.8	34.1	35.0	35.5	37.6	31.9	37.0	41.0	42.0	37.2
West Virginia	Mil. sh. tons	118.9	149.2	144.1	109.3	95.4	85.3	112.4	121.6	112.8	128.8
Wyoming	Mil. sh. tons	2.0	3.3	7.2	23.8	46.0	58.3	71.8	94.9	103.0	107.9
Other States	Mil. sh. tons	26.0	31.3	47.4	98.1	130.7	137.8	161.7	169.7	181.8	176.4
COKE											
Production [6]	Mil. sh. tons	57.2	66.9	66.5	57.2	53.5	49.0	52.9	46.1	42.8	28.1
Oven coke [7]	Mil. sh. tons	56.2	65.2	65.7	56.5	53.1	49.0	52.9	46.1	42.8	28.1
Value of product at plant	Mil. dol.	1,382	1,429	2,193	5,261	5,536	6,557	6,662	6,029	(NA)	(NA)
Coke and breeze	Mil. dol.	1,075	1,118	1,899	4,607	4,653	5,635	5,459	4,784	(NA)	(NA)
Avg. market value per ton	Dollars	18.31	16.84	27.71	84.34	84.56	97.06	97.56	102.73	112.80	114.53
Coal charged	Mil. sh. tons	81.4	95.3	96.5	83.6	77.7	71.4	77.4	66.7	61.0	40.9
Average value per ton	Dollars	9.82	9.40	12.47	44.21	46.26	52.1	50.7	56.26	62.86	64.97
Yield of coke from coal	Percent	70.3	70.4	69.1	68.4	68.8	68.6	68.4	69.2	70.1	68.7

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Relates to mines having an output of 1,000 tons a year or more. *Includes bituminous coal, lignite, and anthracite.* [3] *Bituminous coal and lignite only.* [4] Includes some categories not shown separately. [5] Average number of persons working daily. [6] Includes beehive coke. [7] Prior to 1978, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1960 to 1975, U.S. Bureau of Mines, *Minerals Yearbook,* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production,* annual; and *Coke Plant Report.*

No. 1297. Cement, Sand and Gravel, Stone, and Gypsum: 1960 to 1982

[See also *Historical Statistics, Colonial Times to 1970*, series M 188-189 (for related data), M 190 (gypsum mined), M 193 and M 194 (for total quantity)]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Cement production [1]	**Mil. sh. ton**	**62.8**	**73.1**	**76.1**	**69.7**	**74.5**	**80.1**	**85.5**	**85.9**	**76.7**	**72.9**	**64.3**
Portland	Percent	95.5	95.5	96.1	95.8	95.6	95.3	95.2	95.6	95.9	96.2	96.5
Shipments [2]	Mil. sh. ton	61.5	73.6	76.4	70.7	75.2	81.6	88.0	87.2	77.7	73.0	65.1
Portland	Mil. sh. ton	58.7	70.3	73.4	67.8	71.9	77.9	83.8	83.4	74.7	70.2	62.7
Value	Mil. dol	1,104	1,245	1,366	2,220	2,576	3,000	3,623	4,061	3,780	3,666	3,199
Average per ton	Dollar	17.95	16.91	17.88	31.41	34.24	36.76	41.17	46.57	50.89	52.20	51.04
Imports	Mil. sh. ton	.8	1.0	2.5	3.6	3.1	4.0	6.6	9.4	5.3	4.0	2.9
Value	Mil. dol	10	14	34	71	67	94	191	302	196	151	111
Exports	1,000 sh. ton	35	141	123	417	343	236	55	149	186	300	201
World production (est.)	Mil. sh. ton	349	478	630	774	834	879	940	961	975	983	983
Sand and gravel:												
Sold or used by producers	Mil. sh. ton	710	908	944	789	885	929	996	979	793	720	626
Value	Mil. dol	720	957	1,116	1,340	1,774	2,028	2,302	2,427	2,289	2,260	2,023
Average per ton	Dollars	1.01	1.05	1.18	1.79	2.00	2.18	2.31	2.47	2.89	3.14	3.23
Stone sold or used by producers	**Mil. sh. ton**	**617**	**780**	**869**	**901**	**902**	**955**	**1,051**	**1,101**	**985**	**874**	**791**
Limestone	Mil. sh. ton	451	555	626	665	663	707	786	812	723	646	(NA)
Granite	Mil. sh. ton	43	60	87	95	94	109	122	123	119	102	(NA)
Basalt and related rock	Mil. sh. ton	58	76	77	78	75	77	84	101	81	71	(NA)
Other	Mil. sh. ton	65	89	79	63	70	62	59	62	62	55	(NA)
Value	Mil. dol	953	1,204	1,470	2,120	2,221	2,457	2,886	3,399	3,405	3,276	3,063
Crude gypsum: [3]												
Active establishments [4]	Number	96	113	108	110	117	115	116	113	114	113	109
Apparent supply	Mil. sh. ton	15.1	15.9	15.5	15.1	17.9	20.3	23.1	22.3	19.7	18.9	17.1
Mined	Mil. sh. ton	9.8	10.0	9.4	9.8	12.0	13.4	14.9	14.6	12.4	11.5	10.5
Imports for consumption	Mil. sh. ton	5.3	5.9	6.1	5.4	6.2	7.1	8.3	7.8	7.4	7.6	6.7
Exports	1,000 sh. ton	17	28	41	75	284	143	132	91	88	157	123
Calcined gypsum produced	**Mil. sh. ton**	**8.6**	**9.3**	**8.4**	**9.2**	**11.0**	**12.6**	**14.0**	**14.5**	**11.8**	**11.7**	**11.2**
Value	Mil. dol	121	133	132	186	237	278	387	442	270	243	196
Gypsum products sold, value [5]	**Mil. dol**	**361**	**420**	**353**	**514**	**655**	**911**	**1,248**	**1,392**	**1,242**	**1,196**	**1,122**
Building uses, value	Mil. dol	339	391	323	466	598	843	1,171	1,312	1,149	1,099	1,032

NA Not available. [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] Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. [4] Each mine, plant, or combination mine and plant is counted as 1 establishment. [5] Made from domestic, imported, and byproduct gypsum.

No. 1298. Lime—Quantity Sold or Used by Producers: 1960 to 1982

[Excludes Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 191-192]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Active plants	Number	157	212	194	171	161	155	154	153	150	147
Quantity sold	**1,000 sh. ton**	**12,935**	**16,794**	**19,747**	**19,133**	**19,947**	**20,443**	**20,945**	**19,010**	**18,856**	**14,075**
Value	Mil. dol	173	233	286	524	666	750	862	843	884	696
Per ton	Dollars	13.35	13.87	14.49	27.38	33.41	36.67	41.18	44.34	46.89	49.46

No. 1299. Phosphate Rock—Summary: 1960 to 1982

[See also *Historical Statistics, Colonial Times to 1970*, series M 203-204]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Mine production	Mil. ton	60.9	84.3	125.5	167.5	170.1	184.0	191.2	204.8	231.4	202.5	114.8
P_2O_5 content	Mil. ton	9.3	14.3	18.6	23.5	20.1	22.4	23.5	25.4	26.2	26.2	14.8
Marketable production	Mil. ton	19.6	29.5	38.7	48.8	49.2	52.1	55.2	56.9	60.0	59.1	41.2
P_2O_5 content	Mil. ton	6.1	9.1	12.0	15.0	15.1	16.1	16.9	17.5	18.4	18.0	12.7
Value	Mil. dol	117	193	203	1,122	949	822	929	1,046	1,257	1,438	950
Per ton	Dollars	5.97	6.55	5.25	22.99	19.28	15.77	16.84	18.38	20.95	24.33	23.04
Imports [1]	Mil. sh. ton	.14	.15	.14	.04	.05	.17	1.00	.98	.54	.01	.03
Value	Mil. dol	3.8	3.0	3.8	1.6	2.2	6.1	24.4	21.6	12.9	.4	1.3
Per ton	Dollars	26.07	20.14	27.87	43.83	43.59	35.02	24.38	22.04	23.99	30.00	38.29
Exports	Mil. sh. ton	4.5	7.3	11.7	12.3	10.4	14.6	14.2	15.8	15.7	11.5	10.8
P_2O_5 content	Mil. sh. ton	1.4	2.3	3.8	4.0	3.3	4.7	4.5	5.1	5.0	3.6	3.5
Value	Mil. dol	26.6	51.1	60.0	429.2	272.8	288.6	297.4	356.5	431.4	373.2	293.6
Per ton	Dollars	5.95	6.98	5.11	34.98	26.23	19.79	20.94	22.56	27.41	32.57	27.06
Consumption, apparent [2]	Mil. sh. ton	14.9	21.9	27.2	34.2	34.3	37.9	40.6	43.6	45.0	38.7	31.7
World production	Mil. sh. ton	46.1	70.3	93.6	118.6	119.0	131.5	137.8	145.5	153.9	151.6	135.2

[1] For consumption; P_2O_5 content not available. [2] Amount sold or used plus imports minus exports.

Source of tables 1297-1299: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1300. Potash—Summary: 1960 to 1982

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982
Production of potassium salts (marketable)	4,472	5,401	4,853	4,576	4,675	4,769	4,708	4,756	4,578	3,710
Approximate equivalent K_2O	2,638	3,140	2,729	2,501	2,457	2,483	2,453	2,468	2,377	1,966
Value [1] (mil. dol.)	89.7	129.8	98.1	223.1	206.9	226.5	279.2	(NA)	(NA)	(NA)
Sales of potassium salts by producers	4,412	5,027	4,703	3,819	4,675	4,804	5,014	4,701	4,045	3,734
Approximate equivalent K_2O	2,602	2,931	2,669	2,094	2,460	2,543	2,632	2,444	2,103	1,967
Value at plant (mil. dol.)	88.4	121.2	92.4	187.9	206.9	226.5	279.2	353.9	328.9	265.6
Per ton (dollars)	20.04	24.10	19.64	49.19	44.22	47.15	55.68	75.28	81.31	71.13
Imports for consumption of potash materials	415	1,867	4,403	6,271	8,386	8,556	9,375	9,031	8,712	6,986
Approximate equivalent K_2O	226	1,108	2,605	3,797	5,076	5,189	5,693	5,481	5,287	4,253
Value (mil. dol.)	15.4	52.7	94.7	267.2	373.8	399.2	520.8	646.0	750.4	575.4
Exports of potash materials	833	1,099	966	1,419	1,650	1,577	1,233	1,746	978	1,049
Approximate equivalent K_2O	491	648	544	779	932	892	700	926	541	572
Value (mil. dol.)	25.9	42.5	28.5	92.7	90.2	88.6	79.5	179.8	107.9	93.2
Apparent consumption of potassium salts [2]	3,994	5,795	8,140	8,671	11,405	11,782	13,156	11,987	11,779	9,671
Approximate equivalent K_2O	2,337	3,391	4,730	5,112	6,604	6,840	7,626	6,999	6,849	5,647
World production (marketable), approximate equivalent K_2O	10,000	15,100	20,013	27,269	27,836	28,795	28,294	30,705	29,813	28,914

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. 1301. Sulfur—Summary: 1960 to 1982

[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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Production, sulfur, all forms [1]	6,661	8,212	9,557	11,259	10,707	10,558	10,999	11,910	11,679	11,953	9,632
Sulfur from Frasch mines	5,037	6,116	7,082	7,211	6,264	5,822	5,559	6,257	6,289	6,248	4,144
Recovered elemental sulfur	767	1,215	1,457	2,969	3,138	3,567	3,998	4,006	4,009	4,192	4,334
Pyrites, sulfur content only	416	354	339	237	286	166	296	394	317	302	261
Gross weight of total pyrites	1,016	875	845	625	750	435	766	1,033	834	784	665
Byproduct sulfuric acid [2]	345	388	537	767	942	945	1,086	1,148	987	1,141	815
Shipments, Frasch mines	5,130	7,251	6,504	6,077	5,860	5,935	5,645	7,388	7,283	5,817	3,541
Approximate value (mil. dol.)	118	165	154	305	300	295	280	449	721	716	435
Avg. value per long ton (dol.)	23.08	22.71	23.65	50.16	51.19	49.66	49.60	60.83	98.93	123.03	122.75
Imports for consumption:											
Crude sulfur	741	1,486	1,537	1,897	1,727	1,977	2,143	2,455	2,483	2,482	1,875
Pyrites, sulfur content [3]	146	160	130	–	–	–	–	–	–	–	–
Exports, sulfur	1,787	2,635	1,433	1,352	1,270	1,178	852	2,012	1,754	1,370	946

– Represents zero. [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. 1302. Lead—Summary: 1960 to 1982

[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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Smelter production of refined primary lead	382	418	667	636	653	605	623	634	604	546	565
Domestic ores and base bullion [1]	229	305	528	530	569	536	553	584	560	485	507
Foreign ores and base bullion	154	113	139	106	84	68	70	50	43	61	58
Recovery of secondary lead	470	576	597	658	727	835	848	883	745	707	630
Imports, general:											
Lead in pigs and bars	206	223	244	101	146	261	244	211	90	112	101
Lead in ores and matte	146	123	112	88	76	73	58	44	49	65	39
Exports of refined pig lead [2]	2	8	8	21	6	10	9	12	181	26	61
Consumption of metal, primary and secondary	1,021	1,241	1,361	1,297	1,490	1,582	1,579	1,497	1,180	1,287	1,185
Average price, common lead:											
New York (cents per lb.)	11.95	16.00	15.69	21.53	23.10	30.70	33.65	52.64	42.46	36.53	25.54
London (cents per lb.)	9.04	14.37	13.76	18.73	20.46	28.00	29.86	54.52	41.21	33.30	24.66
Mine production of recoverable lead [3]	247	301	572	621	610	592	584	579	607	491	565
Value [3] (mil. dol.)	58	94	179	267	282	364	394	610	515	359	289
World smelter production, est	2,550	2,911	3,628	3,633	3,568	3,516	3,466	3,537	3,442	3,369	3,560
World smelter capacity	(NA)	(NA)	(NA)	(NA)	5,190	5,255	5,230	5,241	(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. 1303. Iron Ore—Summary: 1960 to 1982

[**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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Number of mines	247	183	74	67	65	54	51	49	37	32	27
Production [1]	**88.8**	**87.4**	**89.8**	**78.9**	**80.0**	**55.8**	**81.6**	**85.7**	**69.6**	**73.2**	**35.4**
Lake Superior	71.8	66.4	69.6	66.7	67.4	44.0	72.7	77.2	62.3	67.5	31.0
Northeastern	4.1	5.2	3.5	1.9	2.4	2.0	8.9	8.6	7.3	5.7	4.4
Western	4.6	[2] 13.1	14.3	9.6	10.1	9.8					
Hematite [3]	[2 4] 68.1	47.0	33.6	19.2	19.3	11.5	15.9	13.9	11.8	10.6	6.7
Magnetite [3]	18.2	36.9	53.8	58.4	59.3	43.1	64.8	71.0	57.8	62.6	28.7
Other	2.4	3.5	2.4	1.2	1.4	1.1	.8	.8	-	-	-
Shipments [5]	83.0	84.1	87.2	75.7	77.1	54.1	83.2	86.2	69.6	72.2	35.8
Value [5] (mil. dol.)	724	801	942	1,621	1,871	1,423	2,401	2,814	2,544	2,915	1,492
Average per ton at mine (dol.)	8.73	9.53	10.80	21.41	24.28	26.32	28.86	32.64	36.56	40.39	41.72
Stocks, Dec. 31 (at mines)	12.3	12.7	15.3	12.3	14.0	14.8	12.4	11.3	11.7	12.7	12.1
Price (Lake Superior ores) Dec. 31:											
Natural ores, basis 51.5% Fe (dol./lg. ton)	11.45	10.55	10.80	18.50	20.26	21.18	22.30	24.56	28.50	32.53	32.53
Imports [6]	34.6	45.1	44.9	46.7	44.4	37.9	33.6	33.8	25.1	28.3	14.5
Canada	10.6	23.8	23.9	19.1	25.0	25.3	19.2	22.6	17.3	18.8	9.3
Venezuela	14.6	12.3	13.0	13.1	9.0	6.2	6.1	4.6	3.6	5.1	1.6
Brazil	1.5	2.3	2.0	7.5	5.4	2.2	4.0	3.1	2.0	1.7	1.0
Value (mil. dol.)	322	444	480	860	980	957	845	923	773	948	471
Exports	5.3	7.1	5.5	2.5	2.9	2.1	4.2	5.1	5.7	5.5	3.2
Value (mil. dol.)	58	80	68	60	82	63	137	179	231	245	151
World production (est.)	514	611	754	902	885	828	833	848	884	843	783

- Represents zero. [1] Includes Southeastern district and byproduct ore, not shown separately. [2] Includes undistributed. [3] Predominant mineral. [4] Includes brown ore from Tenn., Mo., and Tex.; also magnetite from Calif., Utah, and Wyo. [5] Beginning 1976, includes byproduct ore. [6] For consumption. Includes countries not shown separately.

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

No. 1304. Gold and Silver—Summary: 1960 to 1982

[See *Historical Statistics, Colonial Times to 1970*, series M 268-269, for mine production]

ITEM	Unit	1960	1965	1970	1975	1978	1979	1980	1981	1982, prel.
GOLD										
Ore produced [1]	1,000 sh. ton	2,267	3,113	3,687	5,722	4,292	7,046	9,893	12,729	17,918
Production, U.S	1,000 fine oz	1,667	1,705	1,743	1,052	999	964	970	1,379	1,447
Value	Mil. dol	58	60	63	170	193	297	594	634	544
World production	1,000 fine oz	38,200	46,225	47,522	38,476	39,057	38,807	39,197	41,226	42,713
Industrial consumption U.S., net	1,000 fine oz	3,000	5,276	5,973	3,993	4,738	4,785	3,215	3,276	3,448
Imports [2]	Mil. dol	335	102	237	457	903	1,480	2,750	2,157	1,894
Canada	Mil. dol	184	2	152	182	339	565	1,234	1,314	1,124
Soviet Union	Mil. dol	-	-	-	1	287	549	88	22	4
South Africa	Mil. dol	(z)	(z)	(z)	6	1	3	33	188	38
Exports	Mil. dol	2	1,285	38	493	1,114	4,908	3,648	3,072	1,089
Price per fine oz. [3]	Dollars	35.0	35.0	36.4	161.5	193.6	307.5	612.6	459.6	375.9
Production: [4]										
Nevada	1,000 fine oz	66	[5] 205	480	333	261	250	278	525	738
South Dakota	1,000 fine oz	551	[5] 656	579	305	286	246	268	278	185
Utah	1,000 fine oz	314	[5] 389	408	190	236	261	180	228	175
SILVER										
Ore produced [1 6]	1,000 sh. ton	988	958	934	919	1,840	1,822	2,936	5,534	6,636
Production, U.S	1,000 fine oz	30,766	39,806	45,006	34,938	39,385	37,896	32,329	40,683	40,239
Value	Mil. dol	28	51	80	154	213	420	667	428	320
World production	1,000 fine oz	241,300	257,415	300,991	303,112	344,978	343,848	339,882	362,308	372,528
Industrial consumption U.S., net [7]	1,000 fine oz	102,000	137,000	128,404	157,650	160,165	157,258	124,694	116,670	118,840
Imports [8]	Mil. dol	54	63	104	394	389	962	1,606	1,028	927
Canada	Mil. dol	20	26	64	150	180	277	660	375	303
Mexico	Mil. dol	10	8	9	96	94	257	282	228	205
Peru	Mil. dol	11	13	19	76	85	188	354	273	143
Exports	Mil. dol	27	51	49	148	119	471	1,910	332	209
Price per fine oz. [3]	Dollars	.91	1.29	1.77	4.42	5.40	11.09	20.63	10.52	7.95
Production: [4]										
Idaho	Mil. fine oz	17.8	18.1	19.1	13.9	18.4	17.1	13.7	16.5	14.8
Arizona	Mil. fine oz	5.3	6.1	7.3	6.3	6.6	7.5	6.3	8.1	6.3
Utah	Mil. fine oz	5.1	5.2	6.0	2.8	2.9	2.5	2.2	2.9	4.3
Colorado	Mil. fine oz	2.1	2.0	2.9	3.4	4.2	2.8	3.0	3.0	1.9

- 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, 1960-1975; imports for consumption, beginning 1978. [3] Selling price, except New York price for silver, beginning 1965. [4] Source: 1960-1965, 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, 1960-1975; thereafter, imports for consumption.

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

No. 1305. Copper—Summary: 1960 to 1982

[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	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
New (primary) copper produced:										
Mines (from domestic ores)	1,080	1,352	1,720	1,413	1,504	1,496	1,591	1,302	1,696	1,256
Copper ore produced [1] (mil. sh. tons)	135	173	258	263	260	264	306	244	306	201
Average yield of copper (percent)	.73	.70	.59	.47	.52	.51	.47	.47	.51	.55
Smelters (from domestic ores)	1,143	1,403	1,605	1,374	1,394	1,400	1,448	1,096	1,427	1,037
Percent of world total	23	23	24	17	16	16	16	13	16	12
Refineries (from domestic ores)	1,121	1,336	1,521	1,286	1,411	1,463	1,556	1,237	1,577	1,174
From foreign ores, matte, etc., refinery	398	376	244	157	85	134	114	98	125	179
Total new refined, domestic and foreign	1,519	1,712	1,765	1,443	1,496	1,597	1,670	1,335	1,702	1,353
Secondary copper produced	871	1,253	1,248	972	1,196	1,375	1,711	1,584	1,563	1,309
Recovered from old scrap only	429	513	504	369	452	553	666	676	659	571
Imports (unmanufactured) [2 3]	524	523	392	324	437	586	310	603	474	558
Refined	143	137	132	147	387	444	225	471	364	285
Exports (unmanufactured) [3]	506	372	307	234	125	196	204	213	265	314
Exports of refined metallic copper	434	325	221	172	52	101	81	16	27	34
Stocks (producers), Dec. 31	359	281	470	519	580	459	374	354	472	552
Mine production of primary copper	1,080	1,352	1,720	1,413	1,504	1,496	1,591	1,302	1,696	1,256
Arizona	539	703	918	813	924	983	1,043	849	1,147	849
Montana	92	115	120	88	86	74	77	42	69	63
New Mexico	67	99	166	146	165	141	181	165	170	(D)
Utah	218	259	296	177	194	205	213	174	233	208
Other States	163	175	220	189	135	93	77	72	77	136
Avg. price, domestic production (cents per lb.)	32.1	35.4	58.2	64.2	66.8	66.5	93.3	102.4	85.1	74.3
World smelter production	5,040	6,105	6,752	8,069	8,967	8,759	8,820	8,725	9,146	8,987
World smelter capacity	(NA)	(NA)	(NA)	(NA)	(NA)	10,900	11,180	(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. 1306. Molybdenum Concentrates—Summary: 1960 to 1982

[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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Production	68.2	77.4	111.4	112.0	106.0	113.2	122.4	131.6	144.0	150.7	139.9	83.1
Shipments from mines	69.9	77.3	110.4	118.2	105.2	114.5	125.0	130.7	143.5	149.3	118.9	77.8
Average price per pound [1] (dol.)	1.47	1.75	1.92	2.24	2.74	3.26	4.02	4.86	6.07	9.00	6.85-8.50	8.50
Value (mil. dol.)	87.4	120.8	190.1	234.7	259.3	333.5	450.4	607.9	871.1	1,344.2	945.5	514.8
Exports [2]	30.2	24.1	55.7	78.7	62.6	62.5	65.7	69.2	72.2	68.2	51.4	49.8
Imports for consumption	-	.1	(Z)	.2	2.6	2.1	2.0	2.7	2.3	1.8	2.0	3.1
Consumption	44.8	68.1	76.1	91.7	90.0	85.0	91.0	96.4	103.2	108.2	80.7	49.4
Stocks (industry), Dec. 31 [3]	3.5	4.2	9.7	18.7	10.7	9.4	9.2	9.0	9.5	18.1	35.0	35.5
World production, estimate	89.1	[4] 98.5	[4] 161.1	185.6	180.3	195.5	209.7	220.6	229.4	241.7	241.1	200.3

- Represents zero. 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. 1307. Cobalt—Summary: 1960 to 1982

[In millions of pounds of contained cobalt, except price]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Production: Mine	2.2	1.2	.7	-	-	-	-	-	-	-	-	-
Secondary (scrap) [1]	.2	.1	.1	.3	.3	.3	.5	1.0	1.2	1.2	1.0	.9
Imports [2]	12.2	15.4	12.4	16.1	6.6	16.5	17.5	19.0	20.0	16.3	15.6	12.9
Zaire	(NA)	(NA)	(NA)	7.5	2.2	6.8	7.5	7.9	8.8	6.2	4.2	5.0
Zambia	(NA)	(NA)	(NA)	.1	-	1.7	2.4	2.1	3.5	2.2	1.5	1.2
Finland	(NA)	(NA)	(NA)	.9	1.1	.8	1.3	.9	1.2	1.1	1.2	.8
Exports [3]	(NA)	.1	1.5	1.3	1.8	1.8	.9	1.5	.7	.6	.8	.6
Consumption	8.9	13.6	13.4	18.9	12.8	16.5	16.6	20.0	17.4	15.3	11.7	9.5
Inventories	104.0	103.8	81.0	56.0	49.5	44.1	44.5	45.2	44.2	43.3	42.2	45.1
Government [4]	103.2	102.2	79.1	54.0	47.6	41.0	40.9	40.8	40.8	40.8	40.8	43.8
Private [5]	.8	1.6	1.9	2.0	1.8	3.2	3.7	4.4	3.4	2.5	1.4	1.3
Price per pound [6] (dollars): Low	1.54	1.62	2.20	3.46	3.98	4.44	5.58	6.40-	20.00-	25.00	17.26-	12.50-
High								20.00	25.00		25.00	17.26

- 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] 1960-77 and 1980 weighted average based on the market price quoted by a major U.S. cobalt dealer; otherwise based on range of prices.

Source of tables 1305-1307: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1308. Nickel—Summary: 1960 to 1982

[**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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Mine production	14	16	16	17	17	16	14	14	15	15	12	3
Plant production:												
Primary [1]	14	14	16	14	14	14	13	11	12	11	10	3
Secondary [2]	27	51	49	65	42	47	45	44	57	40	(NA)	(NA)
Imports (est. nickel content)	103	163	156	221	161	188	195	240	177	189	209	130
Exports (gross weight)	54	21	31	30	30	47	39	36	51	57	47	57
Consumption	108	172	156	208	146	163	155	181	196	156	145	104
Stocks (consumer), Dec. 31	11	14	25	45	35	32	19	20	20	15	23	19
Price per pound [3] (dollars)	.74	.79	1.33	2.01	2.20	2.20	2.41	2.10	1.93	3.20	3.45	3.20
World production, est	353	468	693	849	890	873	913	725	750	836	785	670

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. 1309. Tin—Summary: 1960 to 1982

[**In thousands of short tons, except price.** See headnote, table 1308, for exclusions]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Production: Domestic smelters	(D)	3.4	(D)	7.2	6.3	7.4	6.5	5.1	3.3	2.2	3.9
Secondary sources	24.7	28.1	22.4	17.5	18.1	20.4	23.3	23.7	20.5	17.0	15.7
Imports for consumption:											
Metal	44.3	45.7	56.7	48.9	49.7	52.7	51.6	53.3	50.7	50.6	30.8
Ore (tin content)	15.8	4.7	5.2	7.1	6.3	7.4	4.3	5.0	.9	.3	2.2
Exports	1.0	3.2	5.0	4.0	2.6	6.0	5.2	3.8	4.2	6.7	10.0
Price of Straits tin at N.Y., dol. per lb. [1]	1.01	1.78	1.74	3.40	3.80	5.35	6.30	7.54	8.46	7.33	6.54
Consumption	90	94	83	62	69	67	68	69	62	60	55
World mine production, est	202	225	256	245	241	254	266	270	273	278	266

D Withheld to avoid disclosure of individual company data. [1] See footnote 5, table 1271.

No. 1310. Tungsten Concentrate—Summary: 1960 to 1982

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970,* series M 225-226, for related data]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982, prel.
Production:											
Concentrates (60% WO_3 basis) [1]	1,000 sh. ton	7.0	7.9	10.1	5.8	6.3	7.3	7.0	6.3	8.2	3.6
Tungsten content	Mil. lb	6.7	7.6	9.3	5.5	6.0	6.9	6.6	6.0	7.8	3.5
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol	9.8	13.0	23.8	29.1	55.1	56.7	55.8	50.6	62.2	22.1
Avg. value per lb. of tungsten	Dollars	1.40	1.72	2.55	5.30	9.15	8.22	8.40	8.38	7.96	6.35
Imports, general [2]	Mil. lb	5.2	3.5	1.3	6.9	6.8	[3] 9.1	[3] 11.4	[3] 11.4	[3] 11.8	[3] 7.8
Consumption [2]	Mil. lb	11.6	13.9	16.7	14.0	17.1	18.8	21.6	20.4	21.7	9.9
Stocks,[2] end of year	Mil. lb	5.5	1.8	2.2	2.5	1.0	1.5	1.6	1.4	1.7	3.0
World production [2]	Mil. lb	68.7	59.6	71.4	84.5	90.5	101.5	106.9	112.9	108.5	98.9

[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 1308-1310: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1311. Uranium—Summary: 1960 to 1982

[See table 1013. See also *Historical Statistics, Colonial Times to 1970,* series M 266-267]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Mine ore shipments [1]	Mil. sh. ton	8.0	4.4	6.3	7.0	8.6	10.3	14.3	15.0	16.7	14.5	8.8
Recoverable content [2]	Mil. lb	37.6	20.8	25.6	24.0	27.0	31.8	37.6	31.4	40.0	33.4	21.0
Value [3]	Mil. dol	(NA)	(NA)	(NA)	252.0	438.0	628.0	812.0	749.0	1,228.0	(NA)	(NA)
Production, concentrate [2]	1,000 sh. ton	17.6	10.4	12.9	11.6	12.7	14.9	18.5	18.7	21.8	19.2	13.4
Export	1,000 sh. ton	(NA)	(NA)	2.1	.5	.6	2.0	3.4	3.1	2.9	2.2	[4] 2.2
Imports, concentrate [2] [5]	1,000 sh. ton	18.0	4.0	-	.7	1.8	2.8	2.6	1.5	1.8	3.3	8.5
World production [2] [6]	1,000 sh. ton	41.6	20.4	24.2	24.8	29.0	37.5	44.1	49.4	57.1	57.0	53.0

- 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] Estimate. [5] Mainly for enrichment and export of enriched uranium product, 1965-76; thereafter, for domestic consumption only. [6] Excludes communist countries.

Source: U.S. Dept. of Energy, *Statistical Data of The Uranium Industry, 1982, 1980 Annual Report to Congress,* vol. II., and *OECD, Uranium Resources, Production and Demand,* February 1982.

No. 1312. ZINC—SUMMARY: 1960 TO 1982

[**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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Smelter production, primary slab zinc	**800**	**994**	**878**	**555**	**438**	**499**	**450**	**448**	**521**	**375**	**382**	**252**
Value (mil. dol.)	205	291	236	399	341	369	310	278	389	281	341	194
From domestic ores	334	551	404	347	308	382	355	295	281	256	286	213
From foreign ores	465	443	474	208	130	117	95	154	240	120	96	38
Production, redistilled secondary slab zinc	69	84	77	79	58	69	51	38	59	32	55	82
Avg. price of common zinc (cents per lb.)	13.0	14.5	15.3	36.0	39.0	37.1	34.4	31.0	37.3	37.4	44.6	38.5
World smelter production, est	3,335	4,353	5,321	6,183	5,526	5,986	6,407	6,483	6,911	6,677	6,737	6,483
World smelter and refining capacity	(NA)	(NA)	(NA)	6,940	(NA)	7,545	7,666	8,487	8,524	(NA)	(NA)	(NA)
Mine production, recoverable zinc	**435**	**611**	**534**	**500**	**469**	**485**	**450**	**334**	**295**	**350**	**344**	**331**
Colorado	31	54	57	49	48	51	40	24	11	15	(D)	(D)
Idaho	37	58	41	39	41	47	31	36	33	31	(D)	(D)
Missouri	3	4	51	92	75	84	82	65	68	69	58	70
New York	66	70	59	93	77	74	71	29	13	37	41	54
Tennessee	91	122	118	86	83	83	90	97	94	123	130	134
Other States	207	303	208	141	145	146	136	83	76	75	116	73

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. 1313. BAUXITE—SUMMARY: 1960 TO 1982

[See also *Historical Statistics, Colonial Times to 1970,* series M 256-257]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Production:												
Crude ore	Mil. lg. ton	2.4	2.0	2.5	2.2	2.4	2.4	2.0	2.2	1.8	1.8	.9
Dried bauxite	Mil. lg. ton	2.0	1.7	2.1	1.8	2.0	2.0	1.6	1.8	1.5	1.5	.7
Value	Mil. dol	21.1	18.6	30.1	25.1	26.6	27.6	23.2	24.9	22.4	26.5	12.3
Imports [1] (crude, dried)	Mil. lg. ton	8.7	11.4	13.6	11.5	12.5	12.9	13.8	13.6	13.9	12.6	10.0
Jamaica	Mil. lg. ton	4.2	6.6	7.5	5.4	6.2	6.4	6.4	6.4	6.0	5.3	4.0
Guinea	Mil. lg. ton	–	(NA)	.5	2.6	3.0	3.0	3.4	3.9	4.0	3.5	4.1
Suriname	Mil. lg. ton	3.3	3.0	2.9	1.9	1.5	1.9	2.3	1.5	1.3	1.1	.4
Value [2]	Mil. dol	78.0	143.0	159.8	245.1	315.1	349.5	397.5	389.1	(NA)	(NA)	(NA)
Exports (as shipped)	1,000 lg. ton	29	147	3	19	15	26	13	15	21	20	4.8
Value	Mil. dol	2.6	10.7	.2	1.7	1.3	2.3	1.5	3.3	(NA)	(NA)	(NA)
Consumption (dry equivalent)	Mil. lg. ton	8.9	13.5	15.7	12.4	13.8	14.3	14.5	15.4	15.7	13.3	9.1
World production, est	Mil. lg. ton	27.2	36.8	56.9	73.6	76.2	80.1	79.7	84.1	87.7	84.1	73.3

– Represents zero. NA Not available. [1] Includes countries not shown separately. [2] See footnote 1, table 1278.

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

No. 1314. ALUMINUM—SUMMARY: 1960 TO 1982

[See also *Historical Statistics, Colonial Times to 1970,* series M 258-262]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Production	Mil. sh. ton	2.3	3.4	4.8	4.9	5.4	5.8	6.1	6.4	6.5	6.4	5.2
Primary aluminum	Mil. sh. ton	2.0	2.8	4.0	3.9	4.3	4.5	4.8	5.0	5.1	4.9	3.6
Plant capacity	Mil. sh. ton	2.5	2.8	4.3	5.0	5.2	5.2	5.2	5.3	5.5	5.5	5.5
Secondary aluminum [1]	Mil. sh. ton	.3	.6	.8	1.0	1.2	1.3	1.3	1.4	1.5	1.7	1.6
Value [2] (primary metal)	Bil. dol	1.2	1.7	2.6	3.7	4.8	6.0	6.6	7.8	9.3	9.8	8.0
Primary aluminum	Bil. dol	1.0	1.3	2.2	3.0	3.8	4.7	5.2	6.1	7.3	7.5	5.5
Price (cents per lb.[3])	Cents/lb	26.0	24.5	28.7	39.8	44.5	51.6	54.0	61.0	71.6	76.0	76.0
Secondary aluminum	Bil. dol	.2	.3	.5	.8	1.0	1.3	1.4	1.7	2.0	2.3	2.5
Imports for consumption [4]	1,000 sh. ton	196	620	468	550	749	836	1,080	840	713	935	968
Value	Bil. dol	.1	.3	.2	.4	.6	.8	1.1	1.0	1.0	1.4	1.3
Exports [4]	1,000 sh. ton	384	315	612	440	484	411	520	773	1,483	867	824
Value	Bil. dol	.2	.2	.4	.4	.5	.5	.7	1.1	2.4	1.5	1.2
Shipments [5] (net domestic)	Mil. sh. ton	2.4	3.8	4.5	4.6	5.8	6.1	6.8	6.9	6.0	6.1	5.5
World production, est	Mil. sh. ton	5.0	7.0	10.6	13.4	13.9	15.2	15.6	16.1	17.0	16.6	14.6
World plant capacity	Mil. sh. ton	5.9	7.9	12.0	16.4	17.6	18.0	18.9	19.4	18.7	18.9	19.2

[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, 1960-1978, 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. 1315. Magnesium—Summary: 1970 to 1982

[**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	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Production (domestic)	124	140	(D)	148	151	159	185	200	209	189	142
Primary [1]	112	122	(D)	120	120	126	149	162	169	143	99
Secondary (recovered from scrap)	12	18	15	28	31	33	36	37	40	46	43
Exports	36	40	46	33	13	28	42	54	57	35	40
Value (mil. dol.)	22.5	28.2	48.5	48.2	26.9	51.8	75.8	113.8	127.7	90.8	104.8
Imports	3	3	5	8	15	6	7	5	4	7	5
Value (mil. dol.)	2.5	2.7	5.2	11.5	22.7	8.0	10.1	9.0	8.3	17.6	15.6
Consumption	93	116	130	94	104	104	109	109	96	91	75
Castings and wrought products	23	25	28	19	17	20	19	19	17	15	14
Alloys (aluminum)	37	52	62	47	54	56	59	61	54	51	40
Other	33	39	40	28	33	28	31	29	24	25	21
Price per pound (cents)	35	38	41–75	82	87–92	96–99	99–101	101–109	107–125	125–134	134
World production (primary)	242	266	[2] 143	258	275	284	318	339	348	326	273

D Withheld to avoid disclosing company proprietary data. [1] Beginning 1975, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production. [2] Excludes U.S. production.

No. 1316. Platinum—Group Metals—Summary: 1970 to 1982

[**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 chemcial, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982 [1]
World mine production, total [2]	**4,239**	**5,714**	**6,229**	**6,511**	**6,440**	**6,487**	**6,838**	**6,923**	**6,454**
United States	17	19	6	6	8	7	3	7	8
U.S.S.R.	2,200	2,650	3,050	3,100	3,150	3,200	3,250	3,350	3,500
South Africa	1,503	2,600	2,700	2,870	2,860	3,017	3,100	3,110	2,600
Primary refined	21	17	7	5	8	8	2	6	7
Secondary refined	350	270	215	195	257	309	331	392	343
Imports	1,411	1,820	2,667	2,510	2,921	3,479	3,502	2,850	2,494
Value (mil. dol.)	105	273	292	273	450	841	1,177	800	554
Exports	414	660	512	427	703	900	765	863	862
Value (mil. dol.)	43	88	53	46	102	202	341	302	183
Industry Stocks, Jan.1	1,068	1,122	849	1,086	1,013	861	761	973	918
Producer price per troy ounce (dol.):									
Platinum	133	164	162	162	237	352	439	475	475
Palladium	38	93	51	60	71	113	214	130	110
Rhodium	215	338	348	441	510	733	766	641	600
Iridium	156	477	325	258	300	257	505	600	600
Ruthenium	53	60	60	60	56	45	45	45	45
Osmium	215	200	200	175	150	150	150	150	137

[1] Preliminary. [2] Includes countries not shown separately.

No. 1317. Titanium—Summary: 1970 to 1982

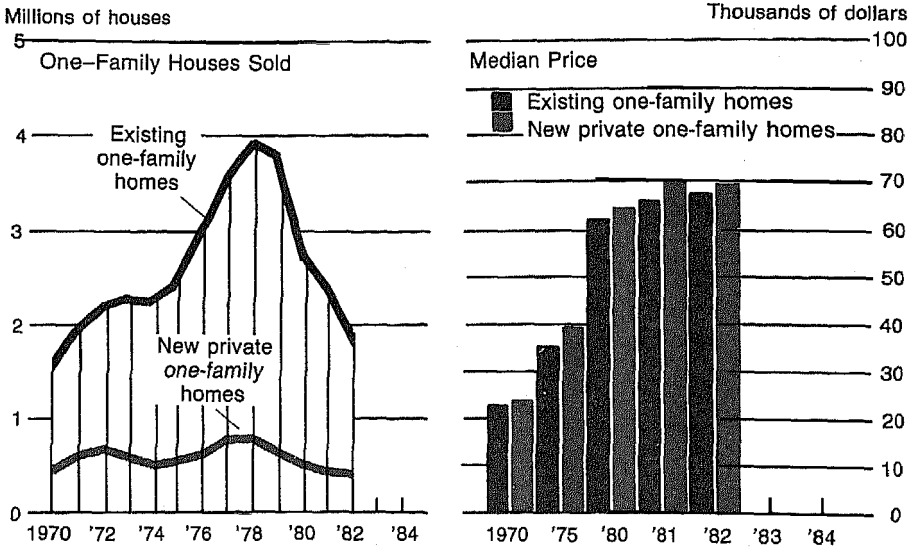
ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Ilmenite concentrate:												
Mine shipments	1,000 sh. ton	921	804	755	702	618	542	581	646	594	524	233
Value	Mil. dol	18.6	20.1	22.7	26.9	27.6	25.2	25.6	33.0	32.0	37.0	19.1
Imports	1,000 sh. ton	96	70	82	122	168	335	309	184	357	236	348
Value	Mi. dol	1.0	.9	1.4	2.1	2.6	5.7	4.5	2.8	6.7	5.9	8.8
Consumption	1,000 sh. ton	972	808	852	748	822	867	792	791	849	856	583
Titanium dioxide pigments:												
Production	1,000 sh. ton	655	785	787	603	713	687	701	742	727	761	635
Imports for consumption	1,000 sh. ton	60	60	35	26	68	115	118	105	98	125	139
Apparent consumption	1,000 sh. ton	(NA)	(NA)	(NA)	596	754	785	802	837	753	806	716
Price, Dec. 31:												
Anatase	Cents/lb	26	24	31	39	41	44	46	53	57	69	69
Rutile	Cents/lb	26–27	28	35	44	47	49	51	59	63	75	75
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	2,983	3,519	3,194	3,490	3,653	3,875	3,875	4,016	[1] 4,010	[2] 3,371
Titanium slag	1,000 sh. ton	853	947	936	832	901	765	1,037	842	1,343	[1] 1,245	[2] 1,170
Rutile concentrate, natural [3]	1,000 sh. ton	460	385	398	422	445	401	333	394	460	[1] 409	[2] 381

NA Not available. [1] Preliminary. [2] Estimated. [3] Excludes U.S. production data to avoid disclosing company proprietary data.

Source of tables 1315–1317: U.S. Bureau of Mines, *Minerals Yearbook*.

Figure 28.1

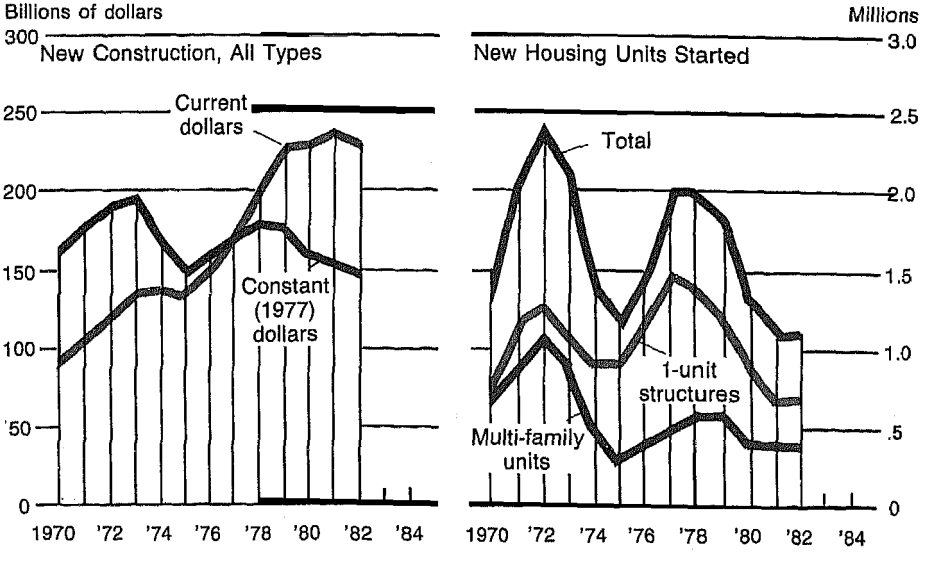
Existing and New Private One-Family Houses Sold and Median Sales Price: 1970 to 1982



Source: Chart prepared by U.S Bureau of the Census. For data, see tables 1332 and 1334.

Figure 28.2

New Construction—Value of Total Construction and Number of Housing Units Started: 1970 to 1982



Source: Chart prepared by U.S Bureau of the Census. For data, see tables 1321, 1322, and 1329.

1984

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 Bureau of Industrial Economics, 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, N.Y., 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 1977.

The 1977 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 402), 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 characteristics. 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; caution should, therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, 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.

No. 1318. Construction Industries—Summary, by Industry: 1972 and 1977

[Based on a probability sample of about 167,000 construction establishments with payroll in 1972, and 181,000 in 1977; see Appendix III. "N.e.c." means 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	4,083	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	1,617	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	89,787	48,262	25,040
Single-family houses	101.0	438	383	3,736	3,068	21,890	15,070	7,297
Other residential buildings	4.8	56	46	646	485	4,515	2,203	1,145
Operative builders	23.5	174	110	2,026	1,053	22,918	10,627	5,229
Industrial buildings and warehouses	8.3	202	171	2,853	2,247	13,063	7,545	4,258
Nonresidential buildings, n.e.c.	18.5	312	254	4,275	3,190	27,400	12,816	7,112
Heavy construction contractors [3]	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Highway and street construction	11.7	268	233	3,596	2,927	15,621	12,546	7,641
Water, sewer, and utility lines	10.2	198	173	2,837	2,347	9,553	8,371	5,523
Heavy construction, n.e.c.	8.3	413	318	7,298	5,274	23,283	17,527	12,447
Special trade contractors [3]	287.7	2,136	1,827	26,762	21,934	81,108	74,929	46,502
Plumbing, heating, air-conditioning	56.4	459	369	6,414	5,025	21,431	19,136	10,681
Painting, paperhanging, decorating	27.4	133	121	1,361	1,191	3,209	3,051	2,362
Electrical work	36.8	357	297	5,483	4,497	14,482	13,919	8,748
Masonry and other stonework	24.8	152	143	1,493	1,350	3,805	3,678	2,417
Plastering, drywall, insulation	16.7	180	158	2,262	1,901	6,266	5,819	3,630
Carpentering	24.4	125	115	1,202	1,061	3,647	3,328	2,083
Roofing and sheet metal work	20.6	172	146	1,968	1,555	6,321	5,939	3,420
Concrete work	17.0	118	107	1,210	1,043	4,152	3,862	2,228
Excavating and foundation work	16.5	104	92	1,208	1,021	4,370	3,930	2,994
Special trade contractors n.e.c.	20.6	128	108	1,384	1,086	4,608	4,129	2,693
Subdividers and developers, n.e.c.	5.1	39	18	414	150	3,043	1,053	748

[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* and *1977*, series CC.

No. 1319. Price, Wage Scale, and Cost Indexes for Construction: 1970 to 1982

[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	1973	1974	1975	1976	1978	1979	1980	1981	1982
Price index for new one-family houses sold [1]	55.3	67.5	73.8	81.7	88.7	114.5	130.8	145.2	157.4	161.5
Union hourly wage scales, building trades [2]	60.7	75.7	81.7	88.7	94.4	105.7	113.0	122.0	(NA)	(NA)
Construction cost indexes:										
Dept. of Commerce composite [3]	56.8	69.6	81.8	89.3	92.4	113.0	128.8	143.2	151.9	154.1
Federal Highway Admin.: Highways [4]	58.0	70.8	96.3	96.7	93.4	119.4	142.6	163.0	156.7	146.8
Environmental Protection Agency:										
Sewers	51.2	68.2	78.8	88.5	94.1	109.5	123.2	133.6	142.2	(NA)
Sewage treatment plant	51.6	65.6	78.0	89.8	94.3	109.5	120.4	131.3	142.5	(NA)
Federal Energy Regulatory Commission: Pipeline	54	64	76	93	98	112	121	133	145	147
American Appraisal Co.: Building construction [5]	57	76	80	86	94	109	118	125	132	(NA)
Turner Construction Co.: Building construction [6]	62	78	91	95	97	106	118	131	144	156
E. H. Boeckh, building cost index: [7]										
Small residential structures	56.5	73.5	79.4	84.7	91.7	109.0	119.0	128.9	136.0	147.5
Apartments, hotels, and office buildings	57.5	71.3	77.9	85.6	92.4	106.5	114.7	125.1	137.4	150.0
Commercial and factory buildings	55.6	69.8	77.3	85.3	92.6	107.5	117.1	127.7	140.1	151.9
Engineering News-Record: [8] Building construction	54.1	73.7	78.0	84.6	92.3	108.4	117.8	125.9	135.9	144.7
General construction	53.8	73.5	78.4	85.8	93.1	107.7	116.5	125.6	137.3	148.5
Handy-Whitman public utility: [9] Building	53	69	84	93	95	109	122	135	142	142
Electric light and power [10]	52	63	75	88	94	106	116	127	139	146

NA Not available. [1] Includes value of site. [2] Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of first work day in July. Includes Honolulu, Hawaii, beginning in 1976. Source: U.S. Bureau of Labor Statistics, *Union Wages and Benefits: Building Trades,* annual. [3] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [4] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [5] 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. [6] 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. [7] 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. [8] 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 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [9] 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. [10] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review,* bimonthly.

No. 1320. Construction Materials—Producer Price Indexes: 1970 to 1982

[1967=100. For discussion of producer price index, see text, p. 483. 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	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
All materials	**112.5**	**138.5**	**160.9**	**174.0**	**187.7**	**204.9**	**228.3**	**251.4**	**266.4**	**283.0**	**288.0**
Softwood lumber: Douglas fir	108.7	209.6	213.7	212.0	250.7	291.4	339.7	383.9	353.0	311.8	266.2
Southern pine	114.7	187.9	184.5	175.3	217.4	262.5	304.6	324.2	297.4	291.6	285.9
Hardwood lumber	114.6	169.0	189.5	160.3	176.0	200.3	235.8	260.0	252.0	255.2	262.4
Millwork	116.0	144.2	157.1	160.4	176.9	193.7	235.4	254.3	260.4	273.4	279.4
Plywood	108.4	155.2	161.1	161.2	187.0	212.2	235.6	250.5	246.5	245.7	232.1
Building paper and board	101.0	112.8	123.5	127.1	138.8	157.0	187.4	182.4	206.2	231.7	239.5
Prepared paint	112.4	122.2	145.7	166.9	174.4	182.4	192.3	204.4	235.3	249.8	262.8
Finished steel products:											
Structural shapes	115.3	140.7	179.0	216.3	227.1	241.2	272.0	300.4	329.9	368.1	(NA)
Reinforcing bars	110.3	124.1	201.5	199.2	182.5	185.8	206.4	261.1	274.8	275.5	(NA)
Black pipe, carbon	113.3	137.8	178.7	204.6	219.1	247.9	279.8	301.8	323.6	380.4	(NA)
Wire nails, 8d common	114.8	140.4	207.1	241.4	243.6	261.3	273.5	298.5	331.9	356.9	365.3
Nonferrous metal products	124.7	135.0	187.1	171.6	181.6	195.4	207.8	261.7	305.0	285.8	263.6
Building wire	123.2	108.2	169.7	125.8	118.4	126.7	125.5	167.7	209.4	163.7	145.2
Plumbing fixtures	111.2	125.8	149.1	162.3	174.1	186.6	199.1	217.1	246.7	267.5	278.7
Heating equipment	110.6	120.4	135.0	150.7	158.0	165.5	174.4	187.1	206.5	224.2	237.2
Metal doors, sash, trim	113.0	124.5	147.3	162.5	171.3	188.7	207.6	229.6	255.2	278.8	290.5
Concrete ingredients	112.6	131.2	148.7	172.3	186.7	199.0	217.7	244.0	274.0	296.3	310.0
Concrete products	112.2	131.7	151.7	170.5	180.1	191.8	214.0	244.1	273.9	291.2	297.8
Structural clay products	109.9	123.3	135.2	151.2	163.5	179.8	197.2	217.9	231.5	249.8	260.8
Gypsum products	99.7	120.9	137.6	144.0	154.4	183.5	229.1	252.3	256.3	256.2	256.1
Asphalt roofing	102.7	135.5	196.0	225.9	238.3	253.0	292.0	325.3	396.8	407.5	398.4
Insulation materials	123.2	137.4	156.5	196.2	212.6	235.9	250.7	256.3	287.9	(NA)	356.6

NA Not available.

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

No. 1321. Value of New Construction Put in Place: 1970 to 1982

[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	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	**95,204**	**139,221**	**135,941**	**151,084**	**173,829**	**205,561**	**230,413**	**230,712**	**239,418**	**232,049**
Average annual percent change [1]	5.2	10.0	−2.4	11.1	15.1	18.3	12.1	.1	3.8	−3.1
Private	**67,114**	**100,886**	**95,057**	**111,961**	**135,655**	**159,665**	**181,621**	**175,699**	**186,069**	**180,979**
Percent of total	70.5	72.5	69.9	74.1	78.0	77.7	78.8	76.2	77.7	78.0
Residential buildings (incl. farm)	31,864	50,376	46,472	60,520	80,956	93,424	99,030	87,261	86,566	74,810
New housing units	24,272	40,644	34,408	47,277	65,749	75,808	78,587	63,139	62,664	51,916
Structures with—										
1 unit	14,754	26,293	27,423	40,049	55,271	62,385	60,790	45,662	44,401	35,663
2 or more units	9,518	14,351	6,986	7,228	10,478	13,422	17,798	17,476	18,263	16,253
Additions, alterations	6,234	8,045	10,925	12,308	14,209	16,349	18,236	21,125	20,025	18,673
Nonhousekeeping	1,358	1,687	1,139	935	998	1,267	2,206	2,997	3,876	4,221
Nonresidential buildings [2]	21,412	29,637	26,407	26,091	28,695	36,293	47,298	52,434	60,818	65,134
Industrial	6,537	7,902	8,018	7,183	7,712	10,994	14,950	13,837	17,030	17,343
Office	9,753	6,118	4,973	4,763	5,269	6,574	9,461	13,318	17,473	23,049
Other commercial		9,826	7,833	7,993	9,514	11,991	15,463	16,627	16,775	14,235
Hospital and institutional	2,529	3,201	3,209	3,396	3,290	3,347	3,530	4,046	4,907	5,875
Religious	929	918	867	956	1,046	1,248	1,548	1,637	1,665	1,543
Educational	864	655	567	660	660	729	806	1,175	1,171	1,356
Other nonresidential	800	1,017	939	1,140	1,203	1,410	1,540	1,794	1,798	1,733
Public utilities	11,017	16,624	17,379	20,301	20,272	23,455	28,253	29,480	32,609	34,796
Telephone, telegraph	2,968	4,279	3,683	3,777	4,345	5,418	6,343	6,733	7,074	7,110
Other public utilities	8,049	12,345	13,696	16,524	15,926	18,037	21,910	22,747	25,534	27,686
Electric light, power [3]	5,807	9,246	9,888	11,777	12,432	14,384	17,480	17,647	19,827	22,067
Gas	1,654	1,739	1,350	1,280	1,560	1,929	2,650	3,035	3,631	3,928
Railroads	304	575	514	580	737	1,190	1,189	1,256	1,334	1,314
Petroleum pipelines	284	785	1,944	2,887	1,197	534	591	809	742	377
Farm (nonresidential)	1,875	3,249	3,731	3,971	4,431	5,209	5,588	5,274	4,809	4,987
All other private	946	1,000	1,068	1,077	1,301	1,283	1,452	1,250	1,268	1,252
Public	**28,090**	**38,334**	**40,884**	**39,123**	**38,174**	**45,896**	**48,792**	**55,013**	**53,349**	**51,070**
Percent of total	29.5	27.5	30.1	25.9	22.0	22.3	21.2	23.8	22.3	22.0
Buildings	10,656	14,990	15,474	13,759	12,799	15,241	15,558	18,517	17,792	16,997
Educational	5,619	7,310	7,760	6,342	5,459	6,264	6,903	8,050	6,737	5,927
Hospital	838	1,238	1,745	1,870	1,733	1,822	1,648	1,785	2,083	1,991
Industrial	498	766	918	905	1,070	1,184	1,112	1,441	1,655	1,632
Housing, redevelopment	1,106	1,006	754	720	908	1,053	1,211	1,648	1,722	1,658
Other public buildings	2,594	4,670	4,296	3,922	3,629	4,919	4,684	5,593	5,595	5,789
Highways and streets	9,982	12,065	10,854	9,743	9,380	10,706	11,997	13,770	13,599	13,521
Conservation, development	1,907	2,741	3,257	3,742	3,862	4,457	4,587	5,090	5,300	5,027
Military facilities	717	1,185	1,389	1,630	1,429	1,502	1,647	1,860	1,964	2,205
Other public construction	4,827	7,352	9,911	10,248	10,704	13,989	15,002	15,755	14,693	13,320
Sewer systems	1,543	2,661	4,801	5,341	5,374	6,765	7,298	7,171	5,935	5,529
Water supply facilities	1,093	1,381	1,765	1,631	1,810	2,661	2,490	3,266	3,004	2,902
Miscellaneous	2,192	3,290	3,345	3,276	3,520	4,563	5,215	5,318	5,754	4,889
Public ownership:										
State and local government	24,798	33,042	34,566	32,106	30,855	37,497	40,227	45,372	42,935	40,834
Buildings	9,753	13,487	13,580	11,631	10,501	12,764	13,215	15,699	14,641	14,012
Highways and streets	9,728	11,808	10,547	9,404	8,984	10,285	11,468	13,314	12,848	12,774
Conservation, development	540	495	618	903	774	597	673	821	896	908
Other	4,777	7,252	9,821	10,167	10,595	13,851	14,872	15,538	14,550	13,139
Federal government	3,293	5,293	6,318	7,017	7,320	8,398	8,564	9,641	10,413	10,236
Conservation, development	1,367	2,246	2,638	2,839	3,088	3,860	3,915	4,270	4,404	4,119
Buildings	903	1,504	1,894	2,128	2,298	2,477	2,343	2,818	3,151	2,986
Military facilities	717	1,185	1,389	1,630	1,429	1,502	1,647	1,860	1,964	2,205
Misc. (incl. highways and streets)	305	357	397	420	505	559	659	673	894	927

[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. 1322. Value of New Construction Put in Place in Constant (1977) Dollars: 1970 to 1982

[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	1974	1975	1976	1977	1978	1979	1980	1981	1982
New construction	**167,618**	**170,289**	**152,198**	**163,457**	**173,395**	**181,987**	**178,951**	**161,038**	**157,587**	**150,581**
Private	**118,405**	**126,032**	**108,556**	**122,083**	**135,299**	**141,171**	**141,354**	**123,559**	**122,446**	**116,913**
Percent of total	70.6	74.0	71.3	74.7	78.0	77.6	79.0	76.7	77.7	77.6
Residential buildings [1]	57,581	66,393	56,074	67,737	80,689	81,226	75,958	60,911	55,893	47,230
New housing units	43,873	53,596	41,506	52,884	65,472	65,891	60,266	44,080	40,484	32,776
Structures with—										
1 unit	26,656	34,593	33,051	44,797	55,016	54,223	46,630	31,858	28,686	22,524
2 or more units	17,217	19,003	8,455	8,087	10,456	11,668	13,638	12,223	11,798	10,253
Additions, alterations	11,252	10,563	13,190	13,805	14,218	14,231	14,003	14,739	12,911	11,790
Nonhousekeeping	2,456	2,233	1,378	1,049	1,000	1,104	1,687	2,092	2,497	2,664
Nonresidential buildings [2]	35,692	33,379	28,011	27,642	28,640	32,224	36,064	35,444	39,356	41,867
Industrial	10,895	8,878	8,506	7,612	7,698	9,734	11,425	9,360	11,018	11,147
Office	16,255	6,904	5,273	5,046	5,263	5,838	7,205	8,995	11,305	14,816
Other commercial		11,061	8,310	8,468	9,466	10,651	11,766	11,242	10,858	9,149
Hospital, institutional	4,217	3,616	3,404	3,597	3,290	2,991	2,702	2,734	3,176	3,776
Religious	1,550	1,034	920	1,013	1,044	1,107	1,180	1,106	1,078	992
Educational	1,442	741	601	699	659	649	614	793	758	872
Other nonresidential	1,334	1,145	996	1,207	1,199	1,255	1,172	1,214	1,164	1,114
Public utilities	20,328	21,420	19,376	21,365	20,249	21,927	23,943	22,792	23,248	23,775
Telephone, telegraph	5,050	5,283	4,181	3,954	4,340	5,136	5,436	5,243	5,117	4,908
Other public utilities	15,278	16,138	15,195	17,412	15,909	16,792	18,508	17,549	18,131	18,867
Electric light, power [3]	11,146	12,177	11,143	12,553	12,414	13,539	14,913	13,830	14,247	15,066
Gas	3,065	2,277	1,448	1,305	1,558	1,721	2,189	2,266	2,491	2,668
Railroads	541	671	547	609	734	1,060	917	849	882	877
Petroleum pipelines	526	1,013	2,057	2,945	1,203	472	489	604	511	256
Farm (nonresidential)	3,126	3,663	3,959	4,207	4,425	4,640	4,268	3,562	3,111	3,205
All other private	1,678	1,177	1,137	1,131	1,296	1,155	1,121	849	838	836
Public	**49,213**	**44,258**	**43,642**	**41,374**	**38,097**	**40,816**	**37,597**	**37,539**	**35,141**	**33,668**
Percent of total	29.4	26.0	28.7	25.3	22.0	22.4	21.0	23.3	22.3	22.4
Buildings	17,922	17,101	16,530	14,630	12,788	13,550	11,895	12,540	11,515	10,908
Educational	9,367	8,262	8,235	6,724	5,453	5,569	5,273	5,432	4,361	3,810
Hospital	1,399	1,397	1,852	1,981	1,734	1,630	1,261	1,205	1,348	1,280
Industrial	831	864	973	960	1,069	1,058	852	974	1,071	1,049
Housing, redevelopment	1,999	1,324	910	808	909	911	929	1,150	1,112	1,047
Other public buildings	4,325	5,254	4,559	4,157	3,624	4,382	3,580	3,779	3,621	3,722
Highways and streets	17,670	13,285	11,146	10,291	9,332	9,215	8,585	8,462	8,633	9,127
Conservation, development	3,406	3,439	3,603	3,914	3,855	4,104	3,821	3,821	3,666	3,329
Military facilities	1,243	1,360	1,489	1,734	1,431	1,331	1,248	1,251	1,271	1,438
Other public construction	8,972	9,073	10,874	10,805	10,690	12,616	12,047	11,465	10,057	8,867
Sewer systems	2,992	3,412	5,379	5,669	5,366	6,146	5,971	5,409	4,163	3,659
Water supply facilities	2,074	1,787	1,935	1,697	1,808	2,395	2,048	2,456	2,090	1,947
Miscellaneous	3,906	3,874	3,559	3,439	3,516	4,076	4,029	3,601	3,804	3,262

[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. 1323. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1974 to 1982, and by Type of Project, 1982

[In billions of dollars]

CONSTRUCTION STATUS	1974	1975	1976	1977	1978	1979	1980	1981	1982				
									Total	Industrial	Office building	Other commercial	Other [1]
Value of projects—													
Started	27.7	20.1	23.6	29.3	38.7	49.0	48.3	65.8	54.4	11.6	19.4	12.9	10.5
Completed	26.9	28.0	25.9	27.7	31.7	40.1	48.4	52.7	55.7	14.9	17.0	15.0	8.7
Under construction at year end	46.1	41.9	41.9	44.6	55.2	66.3	73.5	92.6	98.1	30.1	37.0	12.2	18.7

[1] Privately owned religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

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No. 1324. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1970 to 1982

[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	3.8	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	154.6	58.1	59.2	28.0	9.3	6.1	7.9	1.9	1.3	4.8	37.3
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	2,406	1,464	942	569	116	74	71	19	25	67	(x)

X Not applicable. [1] Includes nonindustrial warehouses. [2] Includes science. [3] Includes miscellaneous.

No. 1325. Construction Contracts—Value, by States: 1979 to 1982

[In millions of dollars. See headnote, table 1324. Represents value of construction in States in which work was actually done]

State	1979	1980	1981	1982: Total (incl. nonbldg.)	1982: Residential	1982: Nonresidential
U.S.	168,446	148,393	153,480	154,619	58,076	59,208
Ala	2,543	1,918	1,880	2,008	843	660
Alaska	626	706	1,153	1,521	515	492
Ariz	3,553	3,137	3,117	3,803	1,631	1,094
Ark	1,728	1,324	1,269	1,569	643	296
Calif	18,159	17,688	17,254	15,390	5,969	7,148
Colo	3,197	2,791	4,419	4,122	1,655	1,564
Conn	1,564	1,440	1,837	1,640	618	768
Del	323	305	554	372	156	132
D.C	580	510	967	811	73	651
Fla	12,176	12,847	12,124	10,818	5,107	3,745
Ga	3,673	3,939	3,820	4,956	2,074	1,188
Hawaii	1,006	1,216	927	945	355	394
Idaho	675	635	722	510	175	166
Ill	7,009	5,313	4,781	4,734	1,413	2,036
Ind	3,442	2,775	2,952	2,910	802	1,119
Iowa	2,404	1,540	1,264	1,285	432	357
Kans	1,828	1,867	1,268	1,353	567	440
Ky	3,033	2,185	3,432	2,650	856	644
La	3,542	3,270	3,826	5,730	1,328	2,939
Maine	485	538	428	499	210	133
Md	2,592	3,062	2,508	2,994	1,305	1,073
Mass	2,638	2,712	3,262	2,870	1,046	1,298
Mich	5,257	4,174	3,258	2,488	856	1,150
Minn	3,299	2,746	2,658	2,870	1,094	946
Miss	3,895	1,561	1,347	1,111	540	241
Mo	3,065	2,613	2,496	2,375	1,023	975
Mont	569	395	2,031	639	178	133
Nebr	1,043	830	763	1,032	254	230
Nev	1,193	1,167	1,253	1,090	598	314
N.H	549	477	547	531	263	161
N.J	3,613	3,790	3,569	3,688	1,378	1,599
N. Mex	1,060	1,371	1,398	1,329	399	477
N.Y	5,405	5,860	6,457	7,077	1,973	2,702
N.C	5,852	3,471	3,354	3,379	1,761	1,071
N. Dak	601	456	516	3,092	183	2,297
Ohio	6,233	5,221	4,820	4,772	1,426	2,276
Okla	2,895	2,300	2,803	3,118	1,597	1,095
Oreg	2,495	1,926	2,038	1,383	469	554
Pa	4,626	5,246	4,910	4,463	1,493	1,758
R.I	397	322	363	251	130	87
S.C	4,827	2,522	2,124	2,229	969	841
S. Dak	551	421	351	765	110	66
Tenn	4,886	2,789	2,520	2,579	1,132	928
Tex	13,104	13,611	17,654	16,898	8,212	6,743
Utah	1,440	1,116	1,804	3,286	431	402
Vt	311	258	251	363	116	80
Va	4,044	3,451	3,426	3,571	1,578	1,325
Wash	5,696	4,795	3,588	3,438	1,044	1,351
W. Va	1,226	855	719	762	229	256
Wis	2,945	2,269	2,095	1,826	660	632
Wyo	595	644	601	731	201	182

Source of tables 1324 and 1325: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. Figures reported currently in *Dodge Construction Potentials*.

No. 1326. Value of Private Construction Authorized by Building Permits: 1973 to 1982

[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 1978, respectively, with local building permit systems]

Type of construction	14,000 places						16,000 places				
	1973	1974	1975	1976	1977	1978	1978	1979	1980	1981	1982
Total	**61.9**	**50.9**	**47.4**	**64.2**	**82.9**	**96.6**	**101.6**	**107.4**	**102.1**	**103.7**	**98.5**
New housing units	33.7	23.5	23.9	35.5	50.0	55.4	58.9	56.3	47.2	41.9	40.5
In structures with—											
1 unit	20.7	16.8	19.8	29.0	40.0	43.2	46.3	42.6	33.1	28.7	27.4
2-4 units	1.7	1.0	1.1	1.8	2.6	3.0	3.1	3.3	3.3	3.2	2.7
5 units or more	11.3	5.7	3.0	4.7	7.4	9.3	9.6	10.4	10.8	10.0	10.4
New nonhousekeeping residential buildings	1.7	.9	.7	1.8	1.0	1.3	1.3	1.6	1.6	2.0	2.6
New nonresidential buildings	20.9	20.5	16.2	19.2	23.7	30.8	32.2	38.3	34.8	39.3	34.8
Industrial buildings	4.5	4.5	3.0	3.9	5.5	7.4	7.8	9.3	8.0	7.9	6.1
Office buildings	4.1	3.9	3.0	3.1	4.3	6.6	6.8	9.1	9.9	14.6	12.9
Stores and other mercantile	4.8	4.3	3.4	4.3	5.7	7.3	7.6	9.0	6.7	6.2	5.5
Hospitals and other institutional	1.9	2.0	2.0	2.4	2.0	2.1	2.1	2.3	1.6	1.7	2.0
All other nonresidential	5.6	5.8	4.8	5.4	6.1	7.4	7.9	8.7	8.7	8.9	8.3
Additions and alterations	5.6	6.0	6.6	7.7	8.2	9.1	9.2	11.2	18.5	20.5	20.6

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review.*

No. 1327. New Privately Owned Housing Units Authorized by States: 1980 to 1982

[Based on about 16,000 places in U.S. having building permit systems]

State	Housing units (1,000)			Valuation (mil. dol.)			State	Housing units (1,000)			Valuation (mil. dol.)		
	1980	1981	1982	1980	1981	1982		1980	1981	1982	1980	1981	1982
U.S.	**1,190.6**	**985.5**	**1,000.5**	**47,156**	**41,910**	**40,492**	Mo	13.6	9.9	11.5	459	361	436
Ala	15.9	9.9	8.7	388	282	229	Mont	2.3	1.9	2.0	71	68	71
Alaska	2.2	4.5	8.2	155	340	529	Nebr	6.7	3.8	3.6	208	138	128
Ariz	36.7	33.4	36.5	1,244	1,202	1,231	Nev	11.8	10.3	8.1	458	371	293
Ark	8.2	4.6	6.3	270	162	196	N.H	5.3	4.4	4.5	198	189	177
Calif	144.4	104.2	85.0	7,788	6,350	5,003	N.J	22.3	20.7	21.3	985	1,005	992
Colo	30.1	29.4	31.8	1,154	1,351	1,303	N. Mex	8.7	8.0	8.6	330	324	346
Conn	10.1	9.3	10.3	412	399	436	N.Y	24.5	26.2	25.0	926	1,049	1,097
Del	2.9	2.3	3.0	90	81	100	N.C	35.5	34.1	33.1	1,176	1,155	1,136
D.C.	2.7	1.0	.4	82	42	12	N. Dak	3.1	2.2	2.8	115	83	105
Fla	174.2	146.2	103.8	6,471	5,807	4,052	Ohio	31.2	21.8	16.6	1,283	960	725
Ga	34.8	30.0	38.7	1,166	1,018	1,387	Okla	17.7	15.0	28.7	810	775	1,249
Hawaii	10.3	6.3	5.7	640	426	309	Oreg	19.3	12.9	7.5	828	588	347
Idaho	5.8	3.4	2.5	219	154	119	Pa	30.0	24.3	22.2	1,118	956	880
Ill	25.2	16.4	19.0	1,087	775	910	R.I	2.9	3.1	2.6	90	98	81
Ind	20.9	13.9	12.5	768	541	465	S.C	22.3	18.9	18.0	747	704	652
Iowa	8.7	5.6	5.3	312	221	196	S. Dak	3.1	1.5	1.2	97	50	42
Kans	10.9	8.2	8.6	435	362	350	Tenn	19.4	11.7	14.8	611	398	483
Ky	10.2	7.6	7.5	351	269	249	Texas	127.5	135.8	201.2	4,851	5,252	6,903
La	20.5	19.6	20.3	682	674	671	Utah	10.5	8.7	7.5	389	439	338
Maine	3.4	2.5	3.1	113	93	116	Vt	2.9	2.6	2.2	98	92	89
Md	20.0	17.0	21.0	811	727	913	Va	37.3	29.7	29.9	1,322	1,102	1,219
Mass	16.5	16.7	15.4	634	712	720	Wash	33.0	24.4	17.6	1,373	1,160	860
Mich	29.0	18.8	14.2	1,164	817	567	W. Va	3.3	2.4	1.8	108	77	58
Minn	21.3	17.3	18.8	974	840	909	Wis	18.2	14.2	12.3	690	551	481
Miss	9.4	5.5	6.2	255	168	190	Wyo	3.8	4.1	2.9	149	152	121

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual.

No. 1328. New Housing Units Started: 1960 to 1983

[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)	Year and month	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1960	1,296	[1] −16.6	1,252	995	44	1974	1,353	−34.4	1,338	888	15
1961	1,365	5.3	1,313	974	52	1975	1,171	−13.4	1,160	892	11
1962	1,492	9.3	1,463	991	30	1976	1,548	32.2	1,538	1,162	10
1963	1,635	9.6	1,603	1,012	32	1977	2,002	29.8	1,987	1,451	15
1964	1,561	−4.5	1,529	970	32	1978	2,036	1.7	2,020	1,433	16
1965	1,510	−3.3	1,473	964	37	1979	1,760	−13.6	1,745	1,194	15
1966	1,196	−20.8	1,165	779	31	1980	1,313	−25.4	1,292	852	20
1967	1,322	10.5	1,292	844	30	1981	1,100	−16.2	1,084	705	16
1968	1,545	16.9	1,508	899	38	1982	1,072	−2.6	1,062	663	10
1969	1,500	−2.9	1,467	811	33	1982, Jan.-Aug.[2]	(NA)	(NA)	974	606	(NA)
1970	1,469	−2.1	1,434	813	35	1983, Jan.-Aug.[2 3]	(NA)	(NA)	1,732	1,089	(NA)
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						

NA Not available. [1] Change from 1959. [2] Seasonally adjusted annual rate. [3] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1329. New Housing Units Started—Selected Characteristics: 1970 to 1982

[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
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**
Publicly owned units	35	32	22	12	15	11	10	15	16	15	20	16	10
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
With FHA aid [2]	*421*	*528*	*371*	*163*	*95*	*98*	*144*	*178*	*178*	*178*	*177*	*145*	*152*
With VA aid [2]	61	94	104	86	73	77	100	131	127	122	95	75	73
1 unit structures	813	1,151	1,309	1,132	888	892	1,162	1,451	1,433	1,194	852	705	663
2–4 unit structures	85	120	141	118	68	64	86	122	125	122	110	91	80
5 or more unit structures	*536*	*781*	*906*	*795*	*382*	*204*	*289*	*414*	*462*	*429*	*331*	*288*	*320*
Northeast	218	264	330	277	183	149	169	202	200	178	125	117	117
North Central	294	434	443	440	317	294	400	465	451	349	218	165	149
South	612	869	1,057	899	553	442	569	783	824	748	643	562	591
West	*311*	*486*	*527*	*429*	*285*	*275*	*400*	*538*	*545*	*471*	*306*	*240*	*205*
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
Outside SMSA's [3]	416	550	636	550	415	400	494	610	588	505	379	324	277
Condominium units [4]	(NA)	(NA)	(NA)	241	176	65	94	118	155	199	185	181	170
Single-family units	(NA)	(NA)	(NA)	69	46	20	30	41	42	43	35	36	40
Multifamily units	(NA)	(NA)	(NA)	172	130	45	64	77	113	156	150	145	130
Mobile home [5] shipments to dealers	**401**	**497**	**576**	**567**	**329**	**213**	**246**	**277**	**276**	**277**	**222**	**241**	**239**

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, *HUD Statistical Yearbook* and *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 No. 1335 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. 1330. Characteristics of New Privately Owned One-Family Houses Completed: 1970 to 1982

[**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*	*1981*	*1982*
Total houses (1,000)	793	875	957	819	632
Financing	*100*	*100*	*100*	*100*	*100*
Mortgage	84	82	81	80	77
FHA-insured	30	9	16	17	20
VA-guaranteed	7	8	8	7	7
Conventional	47	58	55	52	45
Farmers Home Administration		7	3	4	4
Cash or equivalent	16	18	18	21	23
Floor area	**100**	**100**	**100**	**100**	**100**
Under 1,200 sq. ft	36	*25*	21	24	*25*
1,200–1,599 sq. ft	28	30	29	29	30
1,600–1,999 sq. ft	16	34	22	20	19
2,000–2,399 sq. ft	21		13	12	11
2,400 sq. ft. and over		11	15	15	15
Average (sq. ft.)	1,500	1,645	1,740	1,720	1,710
Median (sq. ft.)	1,385	1,535	1,595	1,550	1,520
Number of stories	**100**	**100**	**100**	**100**	**100**
1	74	*65*	60	61	61
2 or more	17	23	31	32	33
Split level	10	12	8	8	6
Bedrooms	**100**	**100**	**100**	**100**	**100**
2 or less	*13*	*14*	17	*21*	*24*
3	63	65	63	60	58
4 or more	24	21	20	20	18

CHARACTERISTIC	1970	1975	1980	1981	1982
Bathrooms	**100**	**100**	**100**	**100**	**100**
1 or less	32	24	18	20	22
1½	20	17	10	10	11
2	32	40	48	46	45
2½ or more	16	20	25	24	22
Foundation	**100**	**100**	**100**	**100**	**100**
Full or partial basement	37	45	36	33	31
Slab	36	35	45	47	49
Crawl space	27	20	19	20	20
Heating fuel	**100**	**100**	**100**	**100**	**100**
Electricity	28	49	50	50	50
Gas	62	40	41	41	40
Oil	8	9	3	2	3
Other	1	2	5	7	8
Central air-conditioning	**100**	**100**	**100**	**100**	**100**
With	34	46	63	65	66
Without	66	54	37	35	34
Parking facilities	**100**	**100**	**100**	**100**	**100**
Garage	58	67	69	67	65
Carport	17	9	7	8	8
No garage or carport	25	24	24	25	27

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. 1331. New Privately Owned One-Family Houses Sold, by Region and Type of Financing 1970 to 1982, and by Sales Price, 1982

[**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	North-east	North Central	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**
Under $50,000	67	7	11	40	9	14	38	10	4
$50,000 to $59,999	68	6	8	40	15	23	41	(s)	5
$60,000 to $69,999	77	6	7	40	18	30	43	(s)	4
$70,000 to $79,999	53	6	5	28	14	23	26	(s)	4
$80,000 to $99,999	61	10	5	28	18	37	19	(s)	6
$100,000 to $119,999	26	4	3	12	7	19	4	(s)	3
$120,000 and over	60	8	9	25	18	47	4	(s)	9

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. 1332. Median Sales Price of New Privately Owned One-Family Houses Sold, by Region: 1965 to 1982

[**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	North Central	South	West	Year	U.S.	North-east	North Central	South	West
1965	20,000	21,500	21,600	17,500	21,600	1975	39,300	44,000	39,600	37,300	40,600
1967	22,700	25,400	25,100	19,400	24,100	1976	44,200	47,300	44,800	40,500	47,200
1968	24,700	27,700	27,400	21,500	25,100	1977	48,800	51,600	51,500	44,100	53,500
1969	25,600	31,600	27,600	22,800	25,300	1978	55,700	58,100	59,200	50,300	61,300
1970	23,400	30,300	24,400	20,300	24,000	1979	62,900	65,500	63,900	57,300	69,600
1971	25,200	30,600	27,200	22,500	25,500	1980	64,600	69,500	63,400	59,600	72,300
1972	27,600	31,400	29,300	25,800	27,500	1981	68,900	76,000	65,900	64,400	77,800
1973	32,500	37,100	32,900	30,900	32,400	1982 [1]	69,300	78,200	68,900	66,100	75,000
1974	35,900	40,100	36,100	34,500	35,800						

[1] 1983, U.S. total: 1st qtr., $73,300, 2d qtr., $75,400.

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. 1333. Price Index of New One-Family Houses Sold, by Region: 1965 to 1982

[**1977 = 100.** Based on fixed proportions of ten characteristics of new houses sold in 1977. For composition of regions, see fig. I, inside front cover]

Year	U.S.	North-east	North Central	South	West	Year	U.S.	North-east	North Central	South	West
1965	44.4	43.5	45.5	48.1	41.0	1974	73.8	82.9	74.8	77.4	67.8
1966	46.2	46.4	48.1	50.4	42.3	1975	81.7	89.8	82.5	85.1	76.2
1967	47.5	48.1	50.0	51.2	42.7	1976	88.7	93.6	89.9	91.1	84.6
1968	50.0	52.9	53.3	53.4	43.7	1977	100.0	100.0	100.0	100.0	100.0
1969	53.8	57.5	58.2	56.9	47.7	1978	114.5	111.1	114.3	112.2	118.5
1970	55.3	61.5	58.2	58.7	48.8	1979	130.8	126.1	127.9	128.5	136.5
1971	58.3	65.6	60.4	63.3	50.3	1980	145.2	138.5	135.4	144.3	154.2
1972	62.1	70.4	64.2	67.2	53.5	1981	157.4	149.7	147.2	158.4	164.8
1973	67.5	76.1	69.2	71.7	60.1	1982 [1]	161.5	157.3	153.4	164.9	166.4

[1] 1983, U.S. total: 1st qtr., 164.2, 2d qtr., 163.6.

Source: U.S. Bureau of the Census, *Construction Reports*, series C27, quarterly.

No. 1334. Existing One-Family Houses Sold and Price, by Region: 1970 to 1982

[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	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Houses sold, U.S.	1,000	1,612	2,018	2,252	2,334	2,272	2,476	3,064	3,650	3,986	3,287	2,973	2,419	1,990
Northeast	1,000	251	311	361	367	354	370	439	515	516	526	403	353	354
North Central	1,000	501	583	630	674	645	701	881	1,101	1,144	1,061	806	632	490
South	1,000	568	735	788	847	839	862	1,033	1,231	1,416	1,353	1,092	917	780
West	1,000	292	389	473	446	434	543	712	803	911	887	672	516	366
Median sales price, U.S.	$1,000	23.0	24.8	26.7	28.9	32.0	35.3	38.1	42.9	48.7	55.7	62.2	66.4	67.8
Northeast	$1,000	25.2	27.1	29.8	32.8	35.8	39.3	41.8	44.4	47.9	53.6	60.8	63.7	63.5
North Central	$1,000	20.1	22.1	23.9	25.3	27.7	30.1	32.9	36.7	42.2	47.8	51.9	54.3	55.1
South	$1,000	22.2	24.3	26.4	29.0	32.3	34.8	36.5	39.8	45.1	51.3	58.3	64.4	67.1
West	$1,000	24.3	26.5	28.4	31.0	34.8	39.6	46.1	57.3	66.7	77.4	89.3	96.2	98.9

Source: National Association of REALTORS®, Washington, D.C., *Existing Home Sales*, monthly. (Copyright.)

No. 1335. New Mobile Homes Placed for Residential Use and Average Sales Price, by Region: 1974 to 1982

[**Units in 1,000; average sales price in $1,000.** 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 [1]	1975	1976	1977	1978	1979	1980	1981	1982 [1]
Units placed, U.S	1,000	332.0	229.3	249.6	257.5	279.9	279.9	233.7	229.2	236.0
Northeast	1,000	23.3	14.7	16.8	16.7	17.4	16.9	12.3	12.0	12.2
North Central	1,000	67.5	48.5	51.5	50.7	49.5	47.3	32.3	30.1	26.1
South	1,000	170.8	110.8	114.8	112.5	135.3	145.2	140.3	143.5	162.5
West	1,000	70.4	55.2	66.5	77.7	77.7	70.5	48.7	43.6	35.1
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
Northeast	$1,000	9.4	10.5	11.6	12.9	14.3	15.8	18.5	19.0	19.9
North Central	$1,000	9.3	10.7	11.6	13.5	15.1	16.1	18.6	18.9	20.0
South	$1,000	8.3	9.0	10.6	12.1	13.7	15.6	18.2	18.4	18.5
West	$1,000	11.6	13.6	16.0	18.1	20.6	23.1	25.4	25.6	24.7

[1] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1336. Gross Housing Product—Summary: 1960 to 1982

[**In billions of dollars.** For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
CURRENT DOLLARS												
Total value of housing output [1]	46.7	63.3	90.3	132.6	144.5	160.5	179.3	202.0	227.0	256.3	290.9	322.4
Percent of GNP [2]	9.2	9.2	9.1	9.2	9.3	9.3	9.3	9.3	9.4	9.7	9.8	10.5
Nonfarm housing	44.6	60.8	87.3	127.9	139.1	154.5	172.1	193.8	217.3	245.1	278.7	309.5
Owner-occupied	31.3	42.7	61.3	91.1	99.5	111.1	124.7	141.2	159.9	181.4	206.3	229.1
Tenant-occupied	13.3	18.2	26.0	36.8	39.5	43.4	47.4	52.6	57.4	63.7	72.4	80.4
Farm housing	2.1	2.5	3.0	4.7	5.4	6.0	7.3	8.2	9.8	11.1	12.2	12.9
Less: Intermediate goods and services consumed	*7.9*	*9.1*	*12.4*	*19.9*	*22.4*	*25.9*	*28.8*	*32.6*	*36.8*	*40.6*	*43.5*	*46.3*
Equals: Gross housing product	38.7	54.2	77.9	112.7	122.1	134.6	151.5	169.5	190.3	215.6	247.3	276.1
CONSTANT (1972) DOLLARS												
Total value of housing output [1]	62.0	76.6	98.1	119.9	123.8	130.1	136.5	143.5	149.6	154.8	161.5	166.4
Nonfarm housing	57.9	74.8	94.5	116.6	120.6	127.1	133.5	140.7	147.0	152.4	159.4	164.5
Owner-occupied	40.6	52.5	66.4	83.1	86.3	91.4	96.8	102.5	108.2	112.8	118.0	121.8
Tenant-occupied	17.2	22.3	28.1	33.5	34.3	35.7	36.8	38.2	38.8	39.6	41.4	42.7
Farm housing	4.1	3.9	3.7	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.1	1.9
Less: Intermediate goods and services consumed	*10.6*	*11.3*	*13.5*	*17.9*	*19.0*	*20.9*	*20.9*	*22.8*	*23.8*	*23.8*	*23.3*	*23.0*
Equals: Gross housing product	51.4	67.3	84.6	102.0	104.8	109.3	115.6	120.8	125.8	131.0	138.2	143.4

[1] *Equals personal consumption* expenditures (see text, pages 445–447) 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 1982 and July 1983.

No. 1337. Residential Capital—Stocks and Average Age: 1960 to 1982

[**As of Dec. 31.** Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 911. 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
	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	4,196	4,266
Private nonfarm: 1-4 units	552	651	931	1,446	1,567	1,771	2,052	2,455	2,735	3,013	3,282	3,332
5 or more units	46	69	122	239	259	292	336	402	452	502	552	566
Farm (1-4 units)	41	41	52	71	75	82	91	106	114	122	129	128
Private nonhousekeeping	5	7	10	14	14	16	18	20	22	23	25	25
Mobile homes	4	6	15	34	37	42	49	57	66	73	78	81
Public: Federal, State and local	12	17	26	46	49	54	62	73	81	90	99	101
Net stocks [1 2]	418	514	754	1,224	1,319	1,484	1,716	2,048	2,281	2,505	2,717	2,744
Private nonfarm: 1-4 units	357	426	605	940	1,016	1,149	1,336	1,601	1,784	1,960	2,127	2,147
5 or more units	26	46	87	180	194	216	248	295	330	365	399	405
Farm (1-4 units)	18	18	22	29	31	34	38	44	47	51	53	53
Private nonhousekeeping	2	4	7	8	9	9	10	11	12	12	13	12
Mobile homes	3	4	10	23	24	27	30	34	38	41	43	43
Public: Federal, State and local	10	13	20	34	36	39	43	51	55	61	66	67
	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
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
5 or more units	65	96	132	185	189	193	198	204	211	218	224	229
Farm (1-4 units)	59	58	56	55	54	54	54	54	53	53	52	52
Private nonhousekeeping	7	9	11	11	11	10	10	10	10	10	10	10
Mobile homes	3	6	14	27	28	30	32	34	36	38	39	40
Public: Federal, State and local	17	23	28	35	35	35	36	36	37	38	38	39
Net stocks [1 2]	593	711	818	950	964	986	1,016	1,046	1,072	1,091	1,107	1,116
Private nonfarm: 1-4 units	508	591	657	729	742	762	788	814	835	850	862	868
5 or more units	37	64	95	140	142	143	146	150	154	158	161	164
Farm (1-4 units)	26	25	24	23	22	22	22	22	22	22	22	21
Private nonhousekeeping	3	6	7	6	6	6	6	6	6	5	5	5
Mobile homes	2	4	10	18	19	19	20	20	21	21	21	21
Public: Federal, State and local	14	18	21	26	26	25	25	25	25	25	26	26
	AVERAGE AGE [3] (years)											
Gross stocks [1]	28.1	26.6	25.9	24.8	24.9	24.9	24.7	24.6	24.6	24.6	24.8	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
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
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
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
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
Federal	15.1	15.7	19.6	17.7	18.9	20.2	21.0	21.7	22.7	23.1	23.5	23.8
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

[1] Includes other, 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*, October 1982, and unpublished data.

No. 1338. Housing Units—Components of Inventory Change: 1973 to 1980

[**In thousands.** Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in the 1970 census. For definition of SMSA, see text, Appendix II. For composition of regions, see fig. I, inside front cover. Based on Components of Inventory Change Survey]

METROPOLITAN AREA STATUS AND REGIONS	HOUSING UNITS			NET CHANGE 1973 TO 1980						
				1980 units added since 1973 through—				1973 units lost since 1973 through—		
	Total, 1980	Total, 1973	Same units 1973 and 1980	Total [1] added	New construction	House or mobile home [2] moved in	Conversion [3]	Total [4] lost	House or mobile home moved out [2]	Demolition of disaster
United States	89,292	77,246	70,725	17,714	13,119	2,784	541	5,667	2,170	1,808
Inside SMSA's	58,904	51,819	48,338	9,980	7,921	882	348	2,896	730	1,044
In central cities	25,836	24,471	22,451	3,017	2,104	111	191	1,651	131	709
Not in central cities	33,067	27,348	25,886	6,965	5,817	771	158	1,245	599	335
Outside SMSA's	30,388	25,427	22,388	7,732	5,197	1,902	192	2,771	1,441	764
Northeast	19,561	18,143	16,878	2,403	1,421	211	199	985	164	327
North Central	22,854	20,647	19,022	3,613	2,773	553	106	1,407	485	505
South	29,721	24,531	21,975	7,507	5,683	1,383	159	2,316	1,060	706
West	17,156	13,924	12,850	4,190	3,241	636	77	958	461	270

[1] Includes other sources such as units changed from nonresidential to residential use, from group quarters to housing units, from *rehabilitation, and miscellaneous not shown separately.* [2] Houses or mobile homes built in 1973 or earlier that were moved to their 1980 sites as additions and from their 1973 sites as losses. [3] Conversions from creation of two or more 1980 housing units from fewer 1973 housing units. [4] Includes other means such as from mergers, change to nonresidential use, demolition, and miscellaneous not shown separately.

Source: U.S. Bureau of the Census, *1980 Census of Housing, Supplementary Reports*, series HC80-S1-2.

No. 1339. Housing Units—Summary of Characteristics: 1960 to 1981

[In thousands, except as indicated. As of April, except 1981 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	1981				
				Total	Regions			
					Northeast	North Central	South	West
All housing units	**58,326**	**68,672**	**88,411**	**91,561**	**19,817**	**23,655**	**30,226**	**17,862**
All year-round units	56,584	67,699	86,693	89,610	19,019	23,212	29,794	17,585
Occupied units	53,024	63,445	80,390	83,175	17,852	21,564	27,430	16,329
Owner occupied	32,797	39,886	51,795	54,342	10,946	15,140	18,491	9,765
Percent of all occupied	61.9	62.9	64.4	65.3	61.3	70.2	67.4	59.8
Renter occupied	20,227	23,560	28,595	28,833	6,906	6,424	8,939	6,564
Vacant year-round	3,560	4,254	6,303	6,435	1,167	1,648	2,364	1,256
For sale only	522	501	948	812	152	207	294	159
Homeowner vacancy rate	1.6	1.2	1.8	1.5	1.4	1.3	1.6	1.6
For rent	1,453	1,666	2,179	1,634	300	473	530	332
Rental vacancy rate	6.7	6.8	7.1	5.3	4.1	6.7	5.5	4.7
Other vacant	1,084	2,087	1,386	3,989	715	968	1,540	765
Vacant, seasonal and migratory	1,742	973	1,718	1,950	798	444	432	277
Cooperatives and condominiums:								
Owner occupied	(NA)	(NA)	(NA)	1,680	361	364	474	481
Cooperatives	(NA)	(NA)	(NA)	409	211	85	51	62
Condominiums	(NA)	(NA)	1,225	1,271	150	279	423	419
Vacant for sale only	(NA)	(NA)	(NA)	163	34	31	52	45
Public or subsidized housing: [1]								
Units in public housing project	(NA)	(NA)	(NA)	2,028	597	480	616	335
Private housing unit with government rent subsidy	(NA)	(NA)	(NA)	1,039	322	206	257	254
Units in structure [2]—								
1-unit	43,758	46,791	57,183	60,463	10,761	16,535	21,822	11,345
Percent of total units	77.3	69.1	65.9	67.5	56.6	71.2	73.2	64.5
2-4 units	7,552	9,007	9,682	11,036	3,756	2,859	2,393	2,028
5 or more units	6,238	9,829	15,478	14,240	4,149	3,078	3,810	3,203
Mobile home or trailer	767	2,073	4,416	3,871	352	740	1,769	1,010
Year structure built: [2]								
April 1970 or later	(X)	(X)	[3] 22,744	21,545	2,446	4,621	9,162	5,316
1960-March 1970	(X)	16,956	[4] 17,087	17,993	3,017	4,281	6,699	3,996
1950-1959	16,046	14,499	14,871	14,394	2,620	3,508	5,137	3,128
1940-1949	8,640	8,788	9,642	8,096	1,501	1,802	3,046	1,747
1939 or earlier	33,632	27,458	22,414	27,582	9,435	8,999	5,750	3,398
Percent built prior to 1940	57.7	40.6	25.8	30.8	49.6	38.8	19.3	19.3
Units with [2]—								
1-3 rooms	11,400	11,028	13,598	13,503	3,384	2,751	3,952	3,416
4 rooms	12,435	14,113	16,969	17,307	3,370	3,971	6,134	3,833
5 rooms	14,323	16,998	20,017	21,251	3,792	5,733	7,797	3,930
6 rooms	11,141	13,609	16,945	18,143	3,740	5,114	6,195	3,094
7 or more rooms	9,020	11,950	19,164	19,405	4,734	5,642	5,717	3,312
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	2.6	2.8	2.6	2.5	2.4
Renter occupied	2.6	2.3	2.0	2.0	1.9	1.9	2.1	2.0
Units lacking some or all plumbing facilities [2]	7,899	4,398	2,334	2,375	368	514	1,260	233
Percent	13.2	6.5	2.7	2.7	1.9	2.2	4.2	1.3
Percent of units with—								
Telephone [5]	78.5	87.0	93.0	91.3	92.1	93.5	88.9	91.6
Air conditioning [2]	12.4	36.7	55.0	57.1	45.5	58.2	76.4	35.8
Central system [2]	1.9	10.7	27.5	27.5	8.9	27.8	42.7	21.7
Public sewer [2]	(NA)	70.2	74.1	73.6	76.4	75.1	65.0	83.3
Public or private company water [1]	(NA)	81.7	83.6	84.0	86.1	80.4	80.7	92.3
Year householder moved into unit:								
April 1970 or later	(NA)	(NA)	(NA)	58,095	11,137	14,649	19,402	12,909
1965-March 1970	(NA)	(NA)	(NA)	7,730	1,873	2,018	2,586	1,253
1960-1964	(NA)	(NA)	(NA)	5,520	1,411	1,490	1,803	815
1950-1959	(NA)	(NA)	(NA)	6,864	1,975	1,915	2,081	894
1949 or earlier	(NA)	(NA)	(NA)	4,966	1,455	1,494	1,558	459

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 and 1980, all year-round units. For 1980, 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-150-81, Annual Housing Survey, part A.

No. 1340. 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]

Cities	Total housing units (1,000)	Year-round housing units: Total (1,000)	Percent with— Structure built: 1970 to March 1980	Structure built: 1939 or earlier	5 or more units in structure	Occupied housing units: Total (1,000)	Percent— Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980	Median value (dol.) specified owner [1]	Median selected monthly owner costs [2] (dol.)	Median gross rent [3] (dol.) specified renter [4]
New York, N.Y	2,946	2,941	7.3	49.4	64.5	2,789	23.4	8.2	17.1	52,220	441	248
Chicago, Ill	1,175	1,174	5.9	51.8	41.7	1,093	38.9	8.1	21.0	47,200	371	231
Los Angeles, Calif	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, Tex	678	678	36.5	8.4	39.8	603	47.8	7.7	35.6	49,100	378	276
Detroit, Mich	471	471	3.2	45.6	18.7	433	57.9	4.8	18.6	20,900	320	216
Dallas, Tex	390	290	28.1	9.8	37.6	355	48.5	6.6	34.1	43,900	338	257
San Diego, Calif	342	342	32.8	13.0	29.2	321	49.1	5.9	33.8	89,800	416	274
Phoenix, Ariz	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, Tex	278	278	25.9	14.1	20.8	259	59.5	10.5	26.4	27,300	263	209
Honolulu, Hawaii	252	251	35.2	8.4	41.5	230	49.9	15.5	27.4	129,500	494	315
Indianapolis, Ind	283	283	19.6	25.9	22.3	260	58.9	3.3	25.5	35,100	300	226
San Francisco, Calif	317	316	6.6	57.7	43.0	299	33.7	7.3	25.8	103,900	394	285
Memphis, Tenn	244	244	20.5	13.6	22.7	230	56.3	6.6	24.5	35,200	275	198
Washington, D.C	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
San Jose, Calif	217	217	39.1	7.3	18.6	210	62.1	6.8	30.7	98,100	478	325
Milwaukee, Wis	253	253	9.7	41.7	22.9	242	47.2	3.4	24.5	45,500	359	238
Cleveland, Ohio	240	239	4.4	57.7	22.0	218	48.2	3.3	20.2	30,400	307	195
Columbus, Ohio	237	237	24.0	24.4	26.6	217	48.8	2.7	30.4	41,300	333	225
Boston, Mass	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, Fla	214	213	28.5	11.7	19.5	197	62.6	4.4	26.9	31,700	327	240
Seattle, Wash	230	230	10.0	40.3	33.3	219	51.0	2.8	27.2	65,100	331	251
Denver, Colo	228	228	19.7	29.4	36.6	212	50.2	3.3	33.3	62,000	379	242
Nashville-Davidson, Tenn	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, Tex	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, Okla	177	177	27.0	16.0	19.7	160	63.2	3.5	29.5	40,100	320	239
Cincinnati, Ohio	173	173	9.3	46.3	38.1	158	38.5	4.7	27.1	40,800	332	190
Fort Worth, Tex	156	156	19.1	16.9	17.4	144	61.1	6.1	27.9	32,200	280	231
Minneapolis, Minn	169	169	9.2	56.9	34.2	162	49.2	2.0	28.5	52,600	355	227
Portland, Oreg	168	168	11.3	46.4	26.8	159	53.3	2.5	28.1	52,900	357	245
Long Beach, Calif	160	160	10.8	23.6	36.3	152	42.9	7.4	30.9	81,900	390	263
Tulsa, Okla	156	156	28.2	14.7	20.8	145	61.2	2.5	31.4	45,400	325	246
Buffalo, N.Y	156	156	2.7	73.0	14.4	141	44.5	2.1	21.4	22,300	290	196
Toledo, Ohio	143	143	14.2	41.8	18.1	133	63.3	2.2	21.7	37,800	329	227
Miami, Fla	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, Tex	147	146	41.5	8.1	32.8	134	45.9	5.4	42.6	47,300	393	265
Oakland, Calif	*150*	*150*	*7.9*	*41.0*	*32.2*	*142*	*42.9*	*6.7*	*25.2*	*66,600*	*338*	*231*
Albuquerque, N. Mex	133	133	41.2	6.1	22.9	124	60.8	4.3	33.5	55,100	358	236
Tucson, Ariz	137	136	34.0	7.5	23.4	125	59.8	5.9	33.6	50,300	307	244
Newark, N.J	121	121	6.3	47.4	48.0	111	21.1	12.3	20.7	31,500	424	214
Charlotte, N.C	124	124	27.2	10.5	23.6	118	54.7	4.0	28.0	45,800	352	245
Omaha, Nebr	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, Ala	115	114	14.3	27.7	24.2	107	53.3	5.5	21.4	31,300	275	187
Wichita, Kans	117	117	20.6	19.8	17.1	110	59.7	3.2	30.3	40,800	316	244
Sacramento, Calif	123	123	23.4	19.4	22.0	113	56.4	4.4	29.2	54,600	296	213
Tampa, Fla	114	114	18.8	17.3	21.1	106	61.1	5.2	25.2	30,600	276	211
St. Paul, Minn	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, N.Y	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. 1341. HOUSING UNITS—

[As of April 1. House heating fuel based on provisional

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	Source of water by public system or private company	Public sewer	Central heating system	Air conditioning	Total (1,000)	Percent—	
			1970 to March 1980	1939 or earlier							Owner occupied units	With 1.01 or more persons per room
U.S	88,411	86,759	25.9	26.1	17.5	83.8	74.4	68.8	54.8	80,390	64.4	4.5
Ala	1,467	1,451	30.9	16.3	9.1	79.9	53.2	63.8	70.7	1,342	70.1	5.4
Alaska	163	154	52.7	4.7	22.1	70.0	68.0	80.2	.9	131	58.3	10.1
Ariz	1,111	1,072	48.6	5.6	16.3	95.2	81.2	84.8	71.1	957	68.3	7.2
Ark	899	889	32.9	17.3	7.2	74.2	57.9	60.3	71.3	816	70.5	5.2
Calif	9,279	9,223	27.2	14.7	24.0	95.6	89.5	82.9	40.1	8,630	55.9	7.4
Colo	1,194	1,170	39.1	18.0	21.4	91.9	87.2	91.4	30.7	1,061	64.5	2.8
Conn	1,159	1,145	18.1	32.0	17.5	78.6	68.3	90.8	46.5	1,094	63.9	2.6
Del	239	230	25.7	20.8	16.7	76.8	74.8	87.9	64.6	207	69.1	2.6
D.C	277	277	7.0	39.1	52.7	99.9	99.3	92.3	67.1	253	35.5	8.1
Fla	4,379	4,279	43.9	6.7	23.7	86.4	71.9	77.0	84.0	3,744	68.3	5.3
Ga	2,028	2,014	33.3	14.7	14.0	78.7	60.3	70.0	66.0	1,872	65.0	5.3
Hawaii	334	332	38.9	10.5	38.1	98.5	81.5	8.0	18.1	294	51.7	15.3
Idaho	375	360	38.4	21.9	8.8	72.6	63.7	76.8	32.1	324	72.0	4.5
Ill	4,320	4,304	19.4	34.7	22.3	89.1	84.9	92.3	66.3	4,045	62.6	4.2
Ind	2,092	2,065	22.0	32.1	10.8	72.4	65.9	88.7	58.6	1,927	71.7	3.1
Iowa	1,131	1,121	20.5	44.4	10.2	78.2	74.1	91.8	66.0	1,053	71.8	2.1
Kans	955	951	22.7	33.6	9.7	86.8	79.1	86.4	78.4	872	70.2	2.4
Ky	1,369	1,355	28.7	24.7	10.1	74.1	54.3	73.6	61.7	1,263	70.0	4.7
La	1,546	1,537	30.8	15.9	11.1	86.4	71.7	66.8	82.2	1,412	65.5	7.1
Maine	501	428	23.2	47.5	10.0	61.0	50.0	78.4	10.6	395	70.9	3.1
Md	1,571	1,550	23.6	22.4	22.4	82.8	79.6	90.8	70.1	1,461	62.0	3.1
Mass	2,208	2,141	15.4	47.3	20.5	93.6	73.9	89.5	36.9	2,033	57.5	2.6
Mich	3,590	3,451	22.1	27.6	12.5	72.5	71.4	91.2	34.3	3,195	72.7	3.1
Minn	1,613	1,530	25.2	33.3	17.3	74.3	74.8	90.6	48.7	1,445	71.7	2.3
Miss	912	905	32.5	15.6	8.0	81.7	56.5	54.4	69.9	827	71.0	8.0
Mo	1,989	1,963	23.9	29.4	11.4	82.6	72.3	83.3	70.1	1,793	69.6	3.4
Mont	328	315	30.7	30.3	9.9	70.8	63.8	78.1	19.7	284	68.6	3.8
Nebr	625	619	23.8	38.9	12.3	81.5	79.7	89.5	77.0	571	68.4	2.1
Nev	340	338	51.8	5.7	23.2	92.4	87.3	88.9	69.9	304	59.6	4.7
N.H	386	349	27.5	39.0	14.3	66.1	52.3	81.6	24.3	323	67.6	2.4
N.J	2,772	2,690	16.1	33.4	20.9	89.5	86.5	94.0	64.7	2,549	62.0	3.5
N. Mex	508	493	36.5	11.8	12.2	84.1	73.3	74.3	60.0	441	66.1	8.6
N.Y	6,868	6,706	11.9	43.3	35.8	89.3	78.7	93.2	41.1	6,340	48.6	4.9
N.C	2,275	2,224	32.0	17.3	8.5	59.5	46.8	70.0	59.6	2,043	68.4	4.5
N. Dak	259	253	30.9	34.9	14.3	76.2	72.2	90.6	40.2	228	68.7	2.7
Ohio	4,108	4,078	20.0	32.8	14.1	81.4	76.2	91.5	47.4	3,834	68.4	2.5
Okla	1,237	1,230	30.0	20.2	10.1	86.0	73.9	73.3	61.5	1,119	70.7	3.7
Oreg	1,083	1,072	34.2	20.6	15.1	81.0	68.6	77.4	18.8	992	65.1	2.9
Pa	4,596	4,513	16.4	44.8	12.2	80.1	74.5	91.4	41.4	4,220	69.9	2.4
R.I	373	363	16.1	43.0	16.4	90.5	68.4	86.4	31.6	339	58.8	2.5
S.C	1,154	1,123	34.4	15.2	8.4	72.4	53.1	67.2	68.0	1,030	70.2	6.0
S. Dak	277	270	26.6	40.7	11.2	76.0	70.5	84.5	58.1	243	69.3	3.6
Tenn	1,747	1,737	31.1	16.7	11.5	81.5	56.4	69.5	74.0	1,619	68.6	4.4
Tex	5,549	5,485	35.2	12.2	18.4	90.5	81.3	70.1	83.2	4,929	64.3	7.2
Utah	490	481	37.7	18.8	12.5	96.3	87.7	92.1	48.8	449	70.7	5.8
Vt	223	196	24.4	46.9	9.4	57.9	46.7	74.7	9.6	178	68.7	2.5
Va	2,021	2,000	30.9	17.7	16.2	73.5	65.8	79.2	64.8	1,863	65.6	3.4
Wash	1,689	1,652	32.0	21.3	17.2	86.7	67.7	87.0	14.8	1,541	65.6	2.9
W. Va	748	737	24.9	34.2	6.2	70.3	51.7	70.7	38.5	686	73.6	4.1
Wis	1,864	1,756	23.1	36.6	12.3	69.7	71.9	90.1	37.4	1,652	68.2	2.4
Wyo	188	182	40.4	22.6	10.0	81.3	78.1	86.1	19.8	166	69.2	4.2

[1] Represents housing units that do not have all three specified plumbing facilities (hot and cold piped water, a flush toilet, and a bathtub or shower) inside the unit for the exclusive use of the occupants. [2] "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. [3] 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.).

SELECTED CHARACTERISTICS, BY STATES: 1980

data from the Early National Sample; see text, p. 2 and Appendix III]

YEAR-ROUND HOUSING UNITS												
Occupied housing units												
Percent						Median value (dollars) specified owner [2]	Median selected monthly owner costs [3] (dollars) specified owner [2]		Median gross rent [4] (dollars) specified renter [5]	Vacancy rate		STATE
Lacking complete plumbing for exclusive use [1]	Householder moved into unit 1979 to March 1980	1 or more vehicles available	House heating fuel				With a mortgage	Not mortgaged		Homeowner	Rental	
			Utility gas	Electricity	Fuel oil, kerosene, etc.							
2.2	**22.8**	**87.2**	**53.1**	**18.4**	**18.2**	**47,200**	**365**	**129**	**243**	**1.8**	**7.1**	**U.S.**
4.2	20.8	88.2	47.7	25.9	.5	33,900	295	104	188	1.6	8.3	Ala.
10.4	38.6	86.3	35.7	14.4	38.3	76,300	640	160	368	3.6	15.4	Alaska.
2.1	32.5	93.2	56.8	34.2	.2	54,800	365	109	263	2.8	11.6	Ariz.
4.2	23.1	88.9	57.9	15.6	.1	31,100	280	96	185	1.6	8.8	Ark.
1.2	28.0	89.9	78.7	15.3	.3	84,500	411	98	283	2.3	5.1	Calif.
1.3	33.0	92.7	81.7	9.5	.6	64,100	422	125	252	3.0	8.8	Colo.
1.3	18.1	89.2	21.6	10.7	63.8	65,600	434	205	261	1.2	4.7	Conn.
1.7	21.1	90.1	28.1	11.3	55.3	44,400	351	146	247	1.7	9.2	Del.
2.1	20.1	62.2	57.4	10.2	30.0	68,800	399	158	226	4.0	5.9	D.C.
1.1	26.8	88.9	11.3	60.5	11.3	45,100	337	101	256	2.4	9.8	Fla.
3.2	23.9	88.0	55.8	19.8	1.9	36,900	340	107	211	1.7	7.9	Ga.
2.2	26.8	89.6	4.1	4.5	.3	118,100	463	110	311	1.4	10.3	Hawaii.
1.4	28.8	94.7	26.7	39.1	16.3	45,800	332	102	219	2.3	11.4	Idaho.
1.7	20.6	84.1	80.7	8.4	5.3	52,800	406	152	246	1.8	6.9	Ill.
1.6	21.0	91.0	60.9	16.4	13.3	37,200	304	118	219	1.6	8.5	Ind.
1.7	20.6	91.7	64.8	8.3	11.0	40,600	348	133	225	1.6	7.3	Iowa.
1.2	24.0	92.9	78.5	9.2	.6	37,800	330	106	219	2.3	9.2	Kans.
6.5	21.2	87.3	50.7	23.2	6.6	34,200	298	103	198	1.4	8.1	Ky.
2.4	23.2	86.1	69.0	22.2	.1	43,000	313	96	214	1.5	8.1	La.
4.9	20.1	88.7	1.5	10.6	71.3	37,900	317	144	216	1.7	7.1	Maine.
1.9	20.6	86.5	46.0	13.8	36.1	58,300	413	149	266	1.5	5.5	Md.
1.5	18.2	83.5	32.8	9.6	54.0	48,400	424	225	255	1.0	5.1	Mass.
1.3	20.0	90.3	76.1	4.7	12.8	39,000	363	159	250	1.4	7.3	Mich.
2.1	21.8	90.2	59.3	7.0	22.5	53,100	375	132	236	1.5	5.8	Minn.
5.9	20.4	86.9	46.0	23.0	.2	31,400	284	98	180	1.3	8.2	Miss.
2.1	21.3	88.7	65.0	11.7	3.5	36,700	317	118	211	2.0	9.0	Mo.
2.3	27.8	92.7	60.9	14.6	6.7	46,500	347	109	200	1.9	11.0	Mont.
1.2	22.9	91.4	71.8	9.7	4.8	38,000	359	120	213	2.0	7.9	Nebr.
1.2	37.7	93.2	47.9	36.2	6.9	68,700	454	135	310	3.6	10.2	Nev.
2.5	22.0	91.1	11.8	13.4	59.8	48,000	408	189	251	1.7	6.1	N.H.
1.6	16.7	85.2	44.2	7.9	46.0	60,200	456	218	270	1.4	4.8	N.J.
3.6	29.5	92.5	74.4	8.1	.4	45,300	324	98	216	2.1	11.0	N. Mex.
2.5	17.1	67.5	39.3	5.1	51.9	45,600	430	196	249	1.2	4.1	N.Y.
4.1	20.6	89.2	16.0	29.3	40.1	36,000	320	111	205	1.5	7.8	N.C.
2.5	24.6	92.8	40.3	17.5	27.9	43,900	392	133	206	2.6	8.9	N. Dak.
1.7	20.2	89.3	71.0	13.0	10.8	44,900	347	133	224	1.5	7.7	Ohio.
1.4	26.4	92.2	69.5	16.3	.1	35,600	305	90	214	2.3	10.8	Okla.
1.4	29.8	91.1	22.5	43.8	18.8	56,900	371	125	257	2.0	7.4	Oreg.
1.8	15.8	83.4	48.9	10.3	34.6	39,100	336	141	225	1.4	6.8	Pa.
1.7	19.6	86.4	32.3	6.9	57.2	46,800	391	192	222	1.1	7.5	R.I.
4.1	20.6	87.9	25.8	31.1	24.5	35,100	312	112	206	1.6	8.9	S.C.
2.7	23.5	92.6	41.9	14.5	22.2	36,600	352	135	188	2.1	10.1	S. Dak.
3.7	22.0	88.5	28.5	49.1	3.9	35,600	299	103	203	1.7	7.9	Tenn.
1.9	29.1	92.2	63.4	25.9	.1	39,100	348	101	245	2.5	10.9	Tex.
.9	28.8	94.0	80.9	10.2	2.5	57,300	381	116	235	2.6	7.8	Utah.
2.7	21.6	89.7	6.0	10.1	61.0	42,200	336	164	226	1.5	6.2	Vt.
4.2	23.3	89.3	28.4	26.9	34.0	48,000	395	129	259	1.7	6.5	Va.
1.2	29.0	91.3	22.1	52.5	18.6	59,900	362	106	254	2.1	7.3	Wash.
5.7	18.0	86.3	59.4	18.3	10.0	38,500	290	93	195	1.3	7.2	W. Va.
1.9	20.7	89.5	57.2	6.1	25.8	48,600	381	158	234	1.3	5.0	Wis.
1.6	34.2	95.8	73.4	11.3	1.0	59,800	397	97	252	2.2	9.7	Wyo.

[4] "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.
[5] "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. 1342. 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
North Central	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	20.9	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 1347.* [3] See footnote 3, table 1347. [4] Specified renter-occupied housing units; see footnote 4, table 1347.

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. 1343. Occupied Housing Units—Tenure, By Race and Plumbing Facilities: 1970 and 1981

[**In thousands.** See headnote, table 1339]

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
1981									
Occupied units, total	**83,175**	**81,416**	**78,312**	**2,314**	**792**	**1,759**	**1,565**	**87**	**107**
Owner occupied	54,342	53,555	52,146	1,094	317	787	692	49	45
White and other	50,431	49,853	48,689	910	255	578	521	27	30
Black	3,911	3,702	3,457	184	62	209	171	22	15
Renter occupied	28,833	27,860	26,166	1,220	475	973	873	38	62
White and other	23,734	23,092	21,855	871	366	642	592	15	35
Black	5,099	4,766	4,311	349	109	331	281	23	27

Source: U.S. Bureau of the Census, *Census of Housing: 1970* vol. 1; and *Current Housing Reports,* series H-150-81, Annual Housing Survey, part A.

No. 1344. Occupied Housing Units—Tenure, by Race of Householder: 1920 to 1981

[**In thousands, except as indicated.** As of **April 1.** 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 1981. 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	1981
ALL RACES								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	83,175
Owner occupied	11,114	14,280	15,196	23,560	32,797	39,886	51,795	54,342
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	65.3
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	28,833
WHITE								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,606	68,810	72,391
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,671	49,629
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	68.6
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	22,762
BLACK AND OTHER								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	10,784
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	4,713
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	43.7
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,071

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-150-81, Annual Housing Survey: 1981, part A.

No. 1345. Occupied Housing Units—Percent Home Ownership, by Region and Race of Householder: 1960 to 1981

[See headnote, table 1339. For composition of regions, see fig. I inside front cover]

REGION	1960		1970		1980		1981	
	White	Black [1]	White	Black	White	Black	White	Black
U.S. total	**64.4**	**38.4**	**65.4**	**41.6**	**67.8**	**44.4**	**68.6**	**43.4**
Northeast	58.1	27.0	60.4	28.6	63.3	31.1	65.1	30.5
North Central	69.1	35.8	70.2	42.0	71.6	44.1	73.0	44.5
South	66.4	41.6	68.2	46.9	70.7	50.5	71.3	49.2
West	62.5	44.6	60.2	40.1	62.9	40.0	62.0	37.6

[1] For 1960, represents Black and other races.

Source: U.S. Bureau of 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-150-81, *Annual Housing Survey: 1981*, part A.

No. 1346. Occupied Housing Units—Selected Characteristics, by Tenure: 1960 to 1981

[**Percent distribution.** As of **April** except **1981**, as of **fall**]

CHARACTERISTIC	1960			1970			1980			1981		
	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	29	14	55
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	27	10
7 rooms or more	16	22	6	20	28	7	23	33	6	22	32	5
Units in structure:												
1 unit	76	94	48	74	94	38	70	93	31	73	94	34
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	40
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	24	25	23
1970-1974	(x)	(x)	(x)	(x)	(x)	(x)	13	13	14			
1960-1969	(x)	(x)	(x)	24	26	19	20	20	20	21	21	20
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	8
1939 or earlier	58	50	71	43	36	56	26	24	28	30	26	38

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Housing, 1960; 1970;* and *1980;* and *Current Housing Reports*, series H-150-81, Annual Housing Survey: 1981, part A.

No. 1347. Occupied Housing Units—Financial Summary: 1970 to 1981

[In thousands, except as indicated. See headnote, table 1339. For definition of median, see Guide to Tabular Presentation]

Characteristic	1970	1980	1981				
			Total	Regions			
				Northeast	North Central	South	West
Occupied units, total	**63,450**	**80,390**	**83,175**	**17,852**	**21,564**	**27,430**	**16,329**
Median income:							
Owner occupied (dol.)	9,700	19,800	21,800	23,400	21,500	19,400	24,900
Renter occupied (dol.)	6,300	10,500	11,400	11,500	10,500	11,400	12,000
Specified owner occupied [1]	31,891	39,470	43,293	8,662	12,125	14,626	7,881
With value of—							
Less than $20,000	19,739	4,777	2,914	461	833	1,511	107
$20,000–$24,999	4,674	2,494	1,644	286	559	701	97
$25,000–$34,999	4,436	5,511	4,861	860	1,608	2,149	243
$35,000–$49,999	2,045	8,496	9,463	1,992	2,963	3,715	793
$50,000 and over	996	18,192	24,410	5,061	6,161	6,549	6,639
Median—							
Value (dol.)	17,000	47,200	55,300	56,100	50,600	46,800	83,800
Real estate taxes [2] (dol.)	(NA)	460	498	990	567	217	517
Units monthly costs [3]—							
With mortgages (dol.)	(NA)	366	402	447	392	364	434
Owned clear (dol.)	(NA)	128	143	197	150	119	114
Specified renter occupied [4]	22,334	27,252	28,123	6,833	6,199	8,613	6,477
With gross rent of—							
Less than $80	5,466	1,080	1,043	198	247	422	176
$80–$99	3,701	651	710	171	144	266	130
$100–$119	3,332	818	935	174	257	323	182
$120–$149	3,772	1,678	1,094	268	253	405	168
$150–$199	3,304	4,219	3,332	779	865	1,112	576
$200–$299	1,194	10,023	8,850	2,297	2,278	2,510	1,765
$300 and over	265	7,516	10,832	2,709	1,854	3,012	3,257
No cash rent	1,300	1,267	1,326	239	301	561	225
Median rent (dol.)	108	243	270	273	250	258	306

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-150-81, Annual Housing Survey: 1981, part A.

No. 1348. Heating Equipment and Fuels for Occupied Units: 1950 to 1981

[In thousands, except percent]

Item	1950	1960	1970	1980	1981	Percent distribution				
						1950	1960	1970	1980	1981
Occupied units, total	**42,826**	**53,024**	**63,445**	**80,390**	**83,175**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heating equipment:										
Warm air furnace	[1] 11,508	17,378	27,515	[2] 42,114	[2] 44,956	[1] 26.9	32.8	43.4	[2] 52.4	[2] 54.0
Steam or hot water	10,071	11,990	13,211	13,859	13,803	23.5	22.6	20.8	17.2	16.6
Floor, wall, or pipeless furnace	([1])	6,088	5,552	4,693	6,345	([1])	11.5	8.8	5.8	7.6
Built-in electric units	–	664	3,236	6,370	6,246	–	1.3	5.1	7.9	7.5
Room heaters with flue	[3] 15,399	[3] 11,183	7,209	6,098	3,719	[3] 36.0	[3] 21.1	11.4	7.6	4.5
Room heaters without flue	5,268	5,218	3,558	2,736	2,911	12.3	9.8	5.6	3.4	3.5
Fireplaces, stoves, or heaters [4]	([3])	([3])	2,766	3,977	4,607	([3])	([3])	4.4	4.9	5.5
None	581	503	398	541	589	1.4	.9	.6	.7	.7
House heating fuel:										
Utility gas	11,387	22,851	35,014	42,658	46,083	26.6	43.1	55.2	53.1	55.4
Fuel oil, kerosene, etc	9,686	17,158	16,473	14,655	14,494	22.6	32.4	26.0	18.2	17.4
Electricity	283	933	4,876	14,768	15,486	.7	1.8	7.7	18.3	18.6
Bottled, tank, or LP gas	787	2,686	3,807	4,535	4,165	1.8	5.1	6.0	5.6	5.0
Wood and other fuel	4,855	2,460	1,060	2,729	1,996	11.3	4.6	1.7	3.4	2.4
Coal or coke	14,828	6,456	1,821	504	361	34.6	12.2	2.9	.6	.4
None	999	478	395	541	589	2.3	.9	.6	.7	.7
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] Includes heat pumps. [3] "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." [4] Portable heaters.

Source: U.S. Bureau of the Census, *Census of Housing, 1960,* vol. 1, *1980,* vol. 1; and *Current Housing Reports,* series H-150, Annual Housing Survey, part A.

No. 1349. Appliances Used by Households, by Region and Family Income: 1981

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1350]

Type of Appliance	Households using appliance		Region				Family income			
	Number	Percent of total	Northeast	North Central	South	West	Under $15,000	$15,000–$24,999	$25,000–$34,999	$35,000 and over
Total households	**83.1**	**100.0**	**17.9**	**21.2**	**27.7**	**16.3**	**34.9**	**21.5**	**13.3**	**12.6**
Air conditioners: Room [1]	24.4	31.8	7.0	7.4	9.6	2.4	11.6	7.4	4.3	2.9
Central system	22.0	26.4	1.7	5.5	11.6	3.2	6.4	5.5	4.3	5.8
Clothes washer	*61.2*	*73.7*	*12.5*	*16.5*	*20.4*	*11.8*	*19.9*	*16.3*	*11.2*	*11.0*
Clothes dryer	37.5	45.1	9.4	14.8	16.2	10.2	15.1	14.4	10.6	10.6
Dehumidifier	7.8	9.4	2.6	4.0	1.1	.2	1.6	2.2	2.0	2.0
Dishwasher	30.5	36.7	6.4	6.9	9.5	7.8	6.3	8.1	7.2	8.9
Freezer	31.9	38.3	5.0	9.8	11.9	5.2	11.6	8.7	6.0	5.6
Humidifier	10.8	13.0	2.5	6.4	1.4	.5	2.5	3.3	2.5	2.6
Microwave oven [2]	14.1	17.0	1.4	4.4	4.5	3.8	2.5	3.7	3.5	4.4
Range: Electric	45.2	54.4	7.8	11.0	16.7	9.6	17.2	12.1	7.8	8.1
Gas	38.2	46.0	10.2	10.5	10.9	6.7	18.5	9.4	5.6	4.8
Television set: Color	68.4	82.3	15.0	17.9	21.8	13.7	25.8	18.6	12.2	11.8
Black and white	39.5	47.5	9.6	10.7	12.9	6.4	16.8	10.0	6.6	6.1

[1] Includes small amounts of households that have both central air conditioners and room units. [2] Microwave is first or second most used oven.

No. 1350. Housing Units—Characteristics, by Primary Heating Fuel and Equipment: 1981

[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
Total	**83.1**	**46.2**	**12.1**	**14.2**	**3.7**	**5.4**	**40.4**	**14.6**	**6.5**	**6.6**	**5.5**
Region:											
Northeast	17.9	7.0	7.9	1.5	.1	1.1	5.2	9.7	.4	.1	1.1
North Central	21.2	15.4	1.6	1.6	1.0	1.2	14.4	3.1	1.1	.8	1.0
South	27.7	13.0	2.2	7.7	2.1	2.2	12.8	1.3	4.6	2.3	1.7
West	16.3	10.8	.4	3.4	.4	.8	8.0	.6	.6	3.3	1.7
Type:											
Single-family detached	54.6	32.5	7.0	6.6	2.6	5.0	28.8	5.7	5.5	4.6	2.6
Single-family attached	3.0	1.7	.5	.7	–	–	1.5	.9	.1	.1	.1
2-4 unit building	9.3	5.6	1.7	1.8	–	.1	3.5	3.1	.8	.7	.7
5 or more unit building	12.0	5.1	2.3	4.3	–	–	3.3	4.9	.1	.9	2.1
Mobile home	4.2	1.3	.6	.8	1.1	.3	3.2	–	.1	.2	.1
Year house built:											
1939 or earlier	24.2	14.2	5.2	1.2	1.2	1.8	8.6	7.0	3.2	2.3	.6
1940 to 1949	6.9	4.4	1.2	.5	.2	.6	2.7	1.2	1.1	.9	.2
1950 to 1959	13.5	9.0	2.2	1.1	.3	.6	7.3	1.9	1.2	1.6	.5
1960 to 1969	16.1	9.6	2.2	2.7	.7	.8	8.5	3.0	.8	1.0	1.3
1970 to 1974	10.7	4.8	1.1	3.3	.7	.7	6.8	.9	.4	.1	1.2
1975 or later	11.7	4.1	.5	5.3	.6	1.0	6.5	.5	.2	.3	1.7
Heating (HDD) and cooling (CDD) degree day zones: [4]											
Less than 2,000 CDD and more than 7,000 HDD	8.8	4.1	1.9	.5	.4	1.6	4.3	1.9	.5	.4	.3
5,500–7,000 HDD	21.0	14.3	3.2	2.1	.5	.6	12.1	5.6	.6	.4	1.5
4,000–5,499 HDD	21.6	9.8	5.6	3.6	.6	1.5	9.6	6.4	.9	.6	1.9
Less than 4,000 HDD	19.5	12.2	.8	3.9	1.1	1.3	8.8	.5	2.2	4.1	1.4
More than 2,000 CDD and less than 4,000 HDD	12.2	5.8	.4	4.1	1.2	.3	5.6	.1	2.5	1.1	.4
Measured heated space of residence:											
Less than 600 sq. ft.	7.2	3.2	1.1	1.8	.4	.3	1.5	1.9	.9	.7	1.0
600–999 sq. ft.	21.8	10.8	3.4	4.7	1.1	1.4	7.6	4.4	2.4	3.0	2.2
1,000–1,599 sq. ft.	25.2	14.4	2.9	4.5	1.4	1.8	13.0	3.1	2.5	2.3	1.4
1,600–1,999 sq. ft.	10.6	6.7	1.4	1.3	.3	.6	6.6	1.6	.3	.5	.4
2,000–2,399 sq. ft.	7.4	4.5	1.2	.8	.2	.7	4.8	1.3	.1	.1	.2
2,400–2,999 sq. ft.	5.6	3.4	.9	.5	.2	.5	3.7	.9	.2	–	.2
3,000 sq. ft. or more	5.4	3.2	1.1	.6	.1	.2	3.3	1.5	–	–	.2

– Represents zero or rounds to zero. [1] Includes types of fuel and equipment not shown separately. [2] Liquid petroleum gas. [3] With or without flue. [4] See fig. 7.3, p. 227.

Source of tables 1349 and 1350: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristic, 1981*, August 1983.

No. 1351. Housing Units—Characteristics, by Square Footage of Floor Space: 1981

[See headnote, table 1350]

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					
Total	**1,734**	**1,452**	**1,482**	**1,247**	**83.1**	**29.0**	**25.2**	**18.0**	**11.0**
Northeast	1,957	1,728	1,615	1,390	17.9	6.1	4.2	4.4	3.2
North Central	1,953	1,848	1,646	1,440	21.2	6.8	5.0	5.4	4.2
South	1,538	1,296	1,357	1,160	27.7	10.0	10.2	5.1	2.4
West	1,538	1,316	1,332	1,173	16.3	5.9	5.9	3.2	1.2
Single family detached	2,093	1,904	1,742	1,540	54.6	10.4	18.4	15.4	10.4
Single family attached	1,946	1,819	1,596	1,489	3.0	.5	1.2	.9	.3
2-4 unit building	1,126	915	1,054	900	9.3	5.7	2.4	1.0	.3
5 or more unit building	826	769	816	766	12.0	9.3	2.2	.5	-
Mobile home	880	826	872	826	4.2	3.1	1.0	.1	-
Year house built:									
1939 or earlier	1,831	1,591	1,502	1,259	24.2	8.6	7.1	4.9	3.5
1940-1949	1,608	1,303	1,394	1,177	6.9	2.6	2.3	1.1	.8
1950-1959	1,729	1,500	1,481	1,248	13.5	4.2	4.2	3.5	1.5
1960-1964	1,725	1,512	1,523	1,316	7.6	2.3	2.4	1.9	1.0
1965-1969	1,592	1,275	1,391	1,150	8.5	3.5	2.3	1.9	.9
1970-1974	1,688	1,295	1,465	1,152	10.7	4.1	3.2	1.8	1.6
1975-1978	1,790	1,500	1,573	1,320	7.7	2.4	2.4	1.8	1.2
1979 or later	1,721	1,457	1,492	1,317	4.0	1.3	1.2	1.0	.5

- Represents zero or rounds to zero.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1981*, August 1983.

No. 1352. Low-Rent Public Housing Units, by Progress Stage: 1960 to 1982

[**In thousands.** As of **Dec. 31.** Housing for the elderly designed 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	New construction	1,215.0	1,105.8	60.5	48.7
Elderly	249.4	143.4	65.7	40.3	Conventional [3]	927.3	855.8	33.7	37.8
1975	1,316.7	1,180.4	52.9	83.4	Turnkey [4]	287.7	250.0	26.8	10.9
Elderly	336.3	288.3	24.3	23.7	Acquisition [5]	39.4	26.5	.9	12.0
1980	1,321.1	1,195.6	20.9	104.6	Leased housing [6]	177.8	99.1	5.3	73.4
Elderly	358.3	317.7	11.5	29.1	New	54.1	37.5	3.2	13.4
1981	**1,404.0**	**1,229.3**	**51.5**	**123.2**					
Elderly	385.4	327.7	21.8	35.9					

[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. 1353. New Apartments Completed and Rented in 3 Months: 1977 to 1982

[1982 data are preliminary. Structures with 5 or more units, *privately financed*, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For definition of median, see Guide to Tabular Presentation]

Characteristic	Number (1,000)						Percent rented in 3 months					
	1977	1978	1979	1980	1981	1982	1977	1978	1979	1980	1981	1982
Total	**196**	**229**	**241**	**196**	**135**	**116**	**80**	**82**	**82**	**75**	**80**	**72**
Rent: Under $150	6.4	3.6	2.5	6.9	2.5	1.4	85	89	94	82	78	92
$150-$174	14.5	13.1	6.1				75	82	96			
$175-$199	30.4	25.2	15.1				84	81	85			
$200-$249	72.5	71.6	66.0	32.9	9.9	5.1	83	84	84	83	85	88
$250-$299	47.6	64.8	69.0	51.1	27.8	12.5	79	81	82	76	87	73
$300-$349	24.2	50.4	82.5	44.5	29.0	21.6	72	79	79	73	80	75
$350-$399				30.9	23.8	24.7				75	79	71
$400 or more				29.8	42.3	50.7				65	75	68
Bedrooms: Less than 2	87.8	112.6	119.1	93.7	65.7	57.1	83	84	80	76	79	70
2	100.6	107.8	113.3	95.1	63.0	53.0	78	80	86	76	81	73
3 or more	7.3	8.3	8.7	7.3	6.7	5.9	77	77	84	63	85	78

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-130, and unpublished data.

No. 1354. Vacancy Rates for Housing Units—Characteristics: 1975 to 1982

[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	1979	1980	1981	1982
Total rental units	**6.0**	**5.4**	**5.4**	**5.0**	**5.3**
Inside SMSA's	6.1	5.4	5.2	4.8	5.0
Outside SMSA's	5.7	5.4	6.1	5.7	6.2
Northeast	4.1	4.5	4.2	3.7	3.7
North Central	5.7	5.7	6.0	5.9	6.3
South	7.7	6.1	6.0	5.4	5.8
West	6.2	5.3	5.2	5.1	5.4
Units in structure: 1 unit	3.6	3.2	3.4	3.3	3.6
2 or more	7.3	6.6	6.4	6.0	6.2
5 or more	8.3	7.6	7.1	6.4	6.5
Units with: 3 rooms or less	8.4	7.3	6.9	6.9	7.2
4 rooms	5.8	5.2	5.2	4.8	5.0
5 rooms	4.6	4.1	4.3	3.8	4.0
6 rooms or more	3.3	3.4	3.8	3.2	3.5
Monthly rent: Less than $60	5.5	3.1	2.5	3.0	3.4
$60-$79	5.7				
$80-$99	4.6	4.1	3.4		
$100 or more	6.7	6.0	6.0	5.2	5.4
Year built: 1960 or later	8.3	5.8	5.8	5.1	5.3
1965 or later	9.0	6.1	6.2	5.3	5.6
1940-1959	4.8	4.8	4.7	4.9	5.2
1939 or earlier	5.4	5.5	5.5	5.2	5.5
Plumbing: With all facilities	5.9	5.2	5.2	4.8	5.1
Lacking facilities	11.2	12.3	10.6	12.3	12.2

HOMEOWNER UNITS	1975	1979	1980	1981	1982
Total homeowner units	**1.2**	**1.2**	**1.4**	**1.4**	**1.5**
Inside SMSA's	1.3	1.1	1.3	1.4	1.5
Outside SMSA's	1.1	1.2	1.4	1.3	1.5
Northeast	1.0	1.0	1.1	1.1	1.0
North Central	1.0	1.2	1.6	1.4	1.6
South	1.5	1.1	1.3	1.3	1.6
West	1.5	1.3	1.6	1.7	1.9
Units in structure: 1 unit	1.0	1.0	1.2	1.1	1.2
2 or more	5.4	3.7	4.3	5.4	6.1
5 or more	14.4	6.6	8.7	10.8	12.2
Units with: 3 rooms or less	3.5	3.0	3.5	3.5	3.9
4 rooms	2.1	1.4	1.7	2.0	2.4
5 rooms	1.1	1.1	1.2	1.4	1.4
6 rooms or more	1.0	1.1	1.3	1.1	1.2
Value: Less than $10,000	1.4	1.1	1.5	1.8	2.3
$10,000-$19,999	1.0	1.5	.9		
$20,000-$24,999	.9	.7	.9	1.1	1.2
$25,000 or more	1.4	1.1	1.3		
Year built: 1960 or later	2.2	1.4	1.8	1.6	1.8
1965 or later	2.7	1.7	2.1	1.8	2.1
1940-1959	.5	.6	.8	.8	.9
1939 or earlier	1.1	1.4	1.5	1.6	1.6
Plumbing: With all facilities	1.3	1.1	1.3	1.4	1.5
Lacking facilities	2.0	3.7	4.2	3.3	3.9

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1355. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs: 1970 to 1982

[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: All properties [1]	**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: All properties [1]	**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
1978: All properties [1]	***37,461***	***24,189***	***13,272***	***16,458***	***12,156***	***4,302***	***8,094***	***12,909***
Average per property	$646	$562	$893	$284	$210	$74	$140	$222
1979: All properties [1]	**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: All properties [1]	**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: All properties [1]	**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
Heating and air-conditioning [2]	3,668	2,295	1,373	891	891	(NA)	2,028	750
Plumbing	4,418	2,323	2,095	710	710	(NA)	1,838	1,870
Roofing	4,926	3,339	1,587	(NA)	(NA)	(NA)	3,352	1,574
Painting	5,576	3,212	2,364	(NA)	(NA)	(NA)	(NA)	5,576
1982: All properties [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

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.

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No. 1356. Recent Home Buyers—General Characteristics and Downpayments: 1976 to 1982

[As of October. Based on a sample survey; subject to sampling variability]

ITEM	Unit	1976	1977	1978	1979	1980	1981	1982
Median price of house purchased	Dollars	43,340	49,320	54,750	58,100	68,714	78,220	82,500
First-time buyers	Dollars	37,670	43,160	46,700	50,800	61,450	63,180	58,900
Repeat buyers [1]	Dollars	50,090	58,730	59,180	64,600	75,750	82,220	98,300
Average monthly mortgage payment	Dollars	329	361	384	449	599	694	732
Percent of income	Percent	24.0	25.0	26.0	28.2	32.4	35.5	33.0
Percent buying—								
New houses	Percent	15.1	12.8	14.4	17.8	22.4	25.2	23.2
Existing houses	Percent	84.9	87.2	85.6	82.2	77.6	74.8	76.8
Single-family houses	Percent	88.8	90.2	86.6	87.5	82.4	78.3	76.6
Multiple-family houses	Percent	4.8	6.2	7.6	5.3	5.5	6.9	6.5
Condominiums	Percent	6.4	3.6	5.6	6.8	12.1	13.4	16.9
For the first time	Percent	44.8	48.1	36.7	36.6	32.9	39.4	40.6
Average age of first-time buyers	Years	28.1	28.2	28.3	28.4	28.3	28.4	28.6
Average age of repeat buyers [1]	Years	35.9	37.9	35.5	34.7	36.4	36.4	37.1
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
Help from relatives	Percent	20.4	14.3	8.7	32.6	32.6	17.0	11.3
Repeat buyers: [1]								
Entirely from savings and investments	Percent	21.2	25.8	19.2	14.8	27.7	22.6	27.5
Entirely from previous home sale	Percent	45.5	43.9	56.6	55.8	39.7	46.2	52.9
Downpayment to sales price	Percent	25.2	28.1	21.4	24.9	28.0	24.1	22.4
First-time buyers	Percent	18.0	19.2	12.4	17.6	20.5	19.4	15.1
Repeat buyers [1]	Percent	30.8	35.0	27.6	29.0	32.7	27.1	27.3

[1] Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, Illinois, *The Guarantor*, bimonthly. (Copyright.)

No. 1357. Mortgage Status of Nonfarm Dwelling Units: 1940 to 1981

[**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
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
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
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
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
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

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. 1358. Volume of Long-Term Mortgage Loans Originated, by Type of Property, 1970 to 1982, and by Lender, 1982

[**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, by lender					
							Total [1]	Savings and loan	Commercial banks	Mortgage cos.	Fed. credit agencies	Mutual savings.
Loans, total	**59.8**	**120.7**	**257.3**	**258.2**	**197.2**	**158.1**	**153.9**	**43.5**	**46.5**	**30.7**	**15.2**	**5.4**
1-4 unit family home	35.6	77.9	185.0	186.6	133.7	98.3	97.0	34.8	25.2	28.0	3.5	4.0
New units	12.6	24.6	58.0	60.5	49.1	37.3	30.6	10.7	6.2	10.4	2.2	.8
Existing units	23.0	53.3	127.0	126.1	84.6	61.0	66.4	24.1	19.0	17.6	1.3	3.2
Multifamily residential	8.8	10.7	16.5	15.8	12.5	12.0	11.4	3.2	1.6	.9	3.4	.6
New units	7.0	5.8	6.9	8.4	8.6	8.0	6.1	.7	.6	.1	3.3	.2
Existing units	1.8	4.9	9.6	7.4	3.9	4.0	5.3	2.5	1.0	.8	.1	.4
Non-residential	12.5	24.2	42.7	41.0	35.9	32.5	34.3	5.5	17.4	1.8	.3	.8
Farm properties	3.0	7.9	13.1	14.8	15.0	15.4	11.2	-	2.3	-	8.0	-

- 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. 1359. 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	1979	1980	1981	1982	1983, Aug.	1975	1979	1980	1981	1982	1983, Aug.
Contract interest rate	Percent	8.8	10.5	12.3	14.1	13.1	12.0	9.0	10.6	12.5	14.5	13.4	12.3
Initial fees, charges [1]	Percent	1.53	1.66	2.09	2.66	2.98	1.96	1.16	1.44	1.91	2.27	2.47	2.42
Term to maturity	Years	27.0	26.5	28.1	27.7	26.9	25.7	24.2	27.1	26.9	25.9	24.8	26.1
Loan to price ratio	Percent	76.2	73.8	73.2	74.8	75.2	73.3	73.5	74.0	73.5	72.9	72.3	73.4
Purchase price	$1,000	44.7	74.4	83.2	90.3	91.8	94.4	39.2	64.8	68.3	68.5	71.6	83.2

[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. 1360. Home Loans Guaranteed and Insured by VA: 1975 to 1982

[Based on complete count of primary loans closed for conventionally built homes. See also table 603]

Loan characteristics	New homes							Existing homes						
	1975	1977	1978	1979	1980	1981	1982	1975	1977	1978	1979	1980	1981	1982
Number of Primary Loans (1,000)	66.6	77.5	78.6	72.9	63.8	45.0	30.7	227.0	294.1	274.2	272.8	191.8	91.1	56.4
Average loan ($1,000)	32.9	39.6	44.0	51.5	58.7	63.6	67.3	28.6	34.6	38.3	44.8	49.6	51.4	53.0
	Percent of home loans													
Loan amount:														
Less than $25,000	12.2	3.7	1.9	.9	.7	.6	.4	40.5	23.2	17.3	10.5	8.2	8.2	7.6
$25,000–$29,999	23.8	11.0	5.6	1.9	.9	.6	.5	20.5	16.8	15.1	10.8	8.5	8.4	7.6
$30,000–$34,999	31.2	19.5	13.0	6.0	2.5	1.3	1.4	15.7	16.6	15.3	12.4	10.3	9.8	9.0
$35,000–$39,999	19.5	23.1	19.6	11.7	5.7	4.2	3.1	10.2	15.0	14.3	13.1	11.4	11.1	10.5
$40,000–$49,999	13.3	42.7	34.4	30.8	23.5	18.9	15.2	13.1	28.4	18.3	20.2	19.9	19.3	19.3
$50,000–$59,999			16.2	24.6	26.5	24.1	22.0			9.8	13.3	14.9	14.1	14.6
$60,000–$69,999			6.6	13.7	18.7	20.7	20.5			6.4	9.3	10.3	9.7	10.0
$70,000 and over			2.7	10.4	21.5	29.6	36.9			3.5	10.4	16.5	19.4	21.4
Mortgage maturity:														
Less than 25 yr	.3	.3	.3	.3	.3	.5	1.2	2.9	2.1	1.7	1.4	1.2	1.6	4.6
25 yr	.5	.5	.3	.2	.2	.6	.6	6.1	4.5	4.0	2.9	2.4	2.6	2.5
26–29 yr	4.9	1.8	3.9	2.6	1.3	1.1	.6	1.2	.5	1.4	.9	.3	.3	.1
30 yr	94.3	97.4	95.5	96.9	98.2	97.8	97.6	89.8	92.9	92.9	94.8	96.1	95.5	92.8
Downpayment status:														
With downpaymt	42.9	44.5	46.3	47.4	45.2	45.7	55.4	26.5	26.4	26.2	28.0	29.7	28.2	35.1
With no downpaymt	57.1	55.5	53.7	52.6	54.8	54.3	44.6	73.5	73.6	73.8	72.0	70.3	71.8	64.9

Source: U.S. Veterans Administration, unpublished data.

No. 1361. One-Family Homes, FHA-Insured Mortgages: 1975 to 1982

[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	1977	1978	1979	1980	1981	1982	1975	1977	1978	1979	1980	1981	1982
Number of mortgages	1,000	35.7	42.5	36.6	37.0	30.7	23.2	17.5	178.9	229.9	218.9	241.8	198.0	109.6	85.5
Average monthly occupant expenses:															
Real estate taxes	Dollars	49	56	56	57	58	67	57	40	41	44	43	49	51	56
Maintenance and repair	Dollars	22	24	23	29	30	34	40	20	22	24	28	31	34	38
Heating and utilities	Dollars	42	54	61	68	74	87	91	43	53	60	68	79	89	104
Average purchase transactions:															
Total acquisition cost [1]	$1,000	33.0	37.2	41.5	50.3	56.0	60.9	62.2	26.9	29.2	34.0	39.4	45.0	47.7	51.1
Closing costs	Dollars	672	701	772	856	981	1,049	1,144	606	660	761	846	960	1,054	1,104
Market price of site [2]	$1,000	6.4	7.3	7.7	9.8	11.8	12.4	12.8	5.5	5.8	6.9	8.1	10.1	11.4	11.7
Median value and cost:															
Amount of mortgage	$1,000	29.7	34.0	37.3	45.0	50.1	53.8	54.8	24.6	27.1	30.9	35.4	39.6	41.5	42.4
Estimated value	$1,000	32.5	37.2	41.1	50.4	56.0	60.9	62.5	26.2	28.9	33.0	38.4	44.0	47.0	50.6
Annual loan/value ratio	Percent	92.8	92.0	93.0	93.5	92.6	91.5	91.5	94.9	94.8	95.5	95.1	93.9	93.2	89.4
Income of occupant	$1,000	17.1	18.8	20.4	24.3	27.1	32.2	34.4	15.5	16.6	18.3	21.2	24.7	28.4	32.1
Monthly mortgage payment	Dollars	284	329	969	469	568	697	766	245	260	300	368	466	545	630
Average term of mortgage	Years	30.0	29.9	29.9	29.9	29.9	29.8	29.7	29.3	29.4	29.5	29.5	29.5	29.5	29.1
Interest rates [3]	Percent	8.5	8.5	9.5	10.0	11.5	15.5	15.5	8.5	8.5	9.5	10.0	11.5	15.5	15.5

[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.

Source: U.S. Dept. of Housing and Urban Development, 1975–1979, *HUD Statistical Yearbook;* thereafter, unpublished data.

No. 1362. Residential Loans Underwritten by FHA: 1960 to 1982

[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	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
FHA-insured loans	**6,293**	**8,689**	**11,982**	**7,941**	**9,746**	**13,000**	**16,098**	**22,848**	**22,301**	**14,976**	**14,125**
Home mortgages: New properties	2,197	1,705	2,667	1,148	1,087	1,664	1,881	3,409	4,071	3,177	2,444
Existing properties	2,403	5,760	5,447	5,017	5,275	7,177	9,259	14,758	12,387	7,102	5,643
Project type mortgages	711	591	3,251	976	2,315	2,818	3,270	2,719	4,197	3,024	4,484
Property improvement loans [1]	982	634	617	799	1,071	1,341	1,688	1,962	1,646	1,674	1,554

[1] Not ordinarily secured by mortgages. Beginning 1970, includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1960-1979 *HUD Statistical Yearbook;* thereafter, unpublished data.

No. 1363. Nonresidential Buildings—Type, by Region and Heating (HDD) and Cooling (CDD) Degree Days Weather Zone: 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. Excludes Alaska and Hawaii. For composition of weather zones, see fig. 7.3, p. 227]

TYPE	Total	Northeast	North Central	South	West	Less than 2,000 CDD and: More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	2,000 to 3,999 HDD	More than 2,000 CDD, less than 4,000 HDD
Nonresidential buildings, number	**4,238**	**735**	**1,326**	**1,566**	**612**	**470**	**1,242**	**1,132**	**704**	**689**
Assembly	448	57	146	199	46	38	143	154	60	53
Auto. sales, service	401	77	145	122	57	55	130	115	53	48
Education	161	23	35	75	28	17	36	43	28	38
Food sales	366	56	118	139	53	47	99	83	69	68
Health care	44	7	18	15	5	1	20	12	5	5
Industrial	243	36	80	86	41	25	75	57	47	38
Lodging	101	13	12	54	23	8	21	18	28	26
Office	600	104	192	199	105	59	199	136	94	113
Residential	347	131	109	78	29	68	117	119	18	25
Retail/services	714	114	227	277	96	78	180	184	136	136
Warehouse and storage	430	59	137	157	77	44	107	112	90	77
Other	237	34	68	94	40	19	69	68	43	38
Vacant	146	23	39	70	13	11	45	32	33	26

Source: U.S. Energy Information Administration, Nonresidential Buildings Energy Consumption Survey: Building Characteristics, March 1981.

No. 1364. Nonresidential Buildings—Type, by Square Footage and Year Constructed: 1979-1980

[In thousands. See headnote, table 1363]

TYPE	Total	Year constructed: Prior to 1946	1946 to 1960	1961 to 1970	1971 to 1973	1974 to present	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**	**1,590**	**1,064**	**789**	**235**	**561**	**677**	**1,729**	**801**	**596**	**436**	**12.9**	**4.1**
Assembly	448	198	101	80	17	51	44	156	131	79	38	11.2	6.0
Auto. sales, service	401	112	127	97	23	42	92	197	78	28	7	4.5	2.4
Education	161	37	53	47	6	18	10	33	21	31	67	36.2	18.3
Food sales	366	122	95	69	17	63	70	207	51	31	8	5.1	2.5
Health care	44	9	11	11	3	11	4	15	9	6	10	38.5	5.4
Industrial	243	77	55	44	30	35	22	58	55	45	63	29.4	9.1
Lodging	101	21	33	28	12	6	10	33	22	16	20	19.9	6.1
Office	600	216	118	121	41	104	89	259	115	86	52	13.6	4.1
Residential	347	237	63	30	7	10	41	177	45	64	19	9.0	3.7
Retail/services	714	260	219	105	28	103	123	292	152	95	52	10.7	4.0
Warehouse and storage	430	159	99	77	25	70	79	169	59	64	60	14.1	3.9
Other	237	82	50	48	18	39	58	76	38	39	26	13.2	3.6
Vacant	146	61	40	31	6	8	37	59	24	12	13	8.7	2.7

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics,* March 1981.

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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 Economics and Statistics 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, D.C.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Federal Trade Commission (FTC). 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. The FTC has made several comprehensive studies of individual industries. 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. 402). 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 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 1977 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 more than 450 manufacturing industries as defined by the *SIC Manual* in 1972 and 1977, as compared to 400 industries in the 1967 census. 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 1977 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.

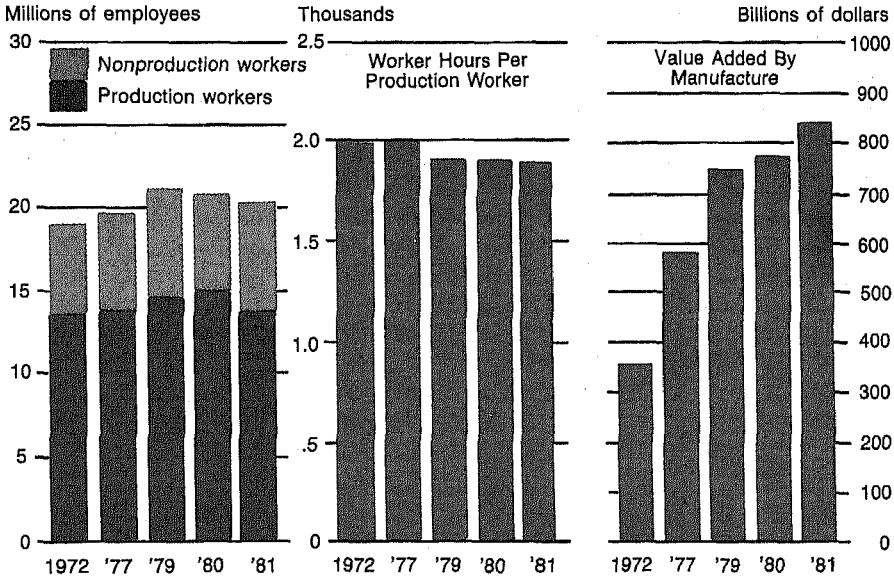
NO. 1365. NATIONAL INCOME ORIGINATING IN MANUFACTURING: 1954 TO 1982

[**In billions of dollars, except percent.** Prior to 1963, excludes Alaska and Hawaii. For definition of national income, see text, p. 445. 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	1954	1958	1963	1967	1972	1975	1976	1977	1978	1979	1980	1981	1982
Total manufacturing	95	108	144	194	252	318	367	413	465	509	527	580	549
Percent of national income	31	29	29	29	26	25	26	26	26	25	24	24	22
Durable goods	55	62	86	119	154	186	217	250	286	311	312	345	317
Percent of total	58	58	60	61	61	58	59	60	61	61	59	60	58
Machinery, except electrical	9	10	14	22	28	37	42	49	56	64	68	77	70
Electric and electronic equipment	7	8	12	18	23	27	31	36	41	45	50	55	55
Fabricated metal products	7	8	10	15	19	24	28	32	36	40	41	44	41
Other transportation equipment	6	8	10	14	13	16	18	20	23	26	29	32	34
Primary metal industries	8	9	11	14	18	24	26	28	34	38	38	42	27
Motor vehicles and equipment	6	5	11	13	20	19	27	33	35	32	22	26	24
Instruments and related products	2	3	4	6	7	9	11	12	14	15	17	20	21
Stone, clay, and glass products	3	4	5	6	9	10	12	13	16	17	16	17	15
Lumber and wood products	3	3	4	5	8	8	11	13	16	17	15	14	13
Miscellaneous manufacturing industries	2	2	3	3	5	5	6	7	7	8	8	10	9
Furniture and fixtures	2	2	2	3	4	5	5	6	7	8	8	9	8
Nondurable goods	40	46	57	75	98	132	150	163	179	198	215	235	232
Food and kindred products	9	11	14	16	20	31	31	34	35	38	41	47	47
Chemicals and allied products	6	8	10	13	18	25	29	31	33	35	37	42	41
Petroleum and coal products	4	4	4	6	7	15	19	19	21	28	36	36	34
Printing and publishing	5	6	7	10	14	17	19	21	24	26	28	31	33
Paper and allied products	3	4	5	7	9	12	14	15	17	19	20	21	20
Rubber and miscellaneous plastic products	2	3	4	5	8	9	10	12	14	15	15	18	17
Apparel and other textile products	4	4	6	7	10	11	12	14	15	15	16	17	17
Textile mill products	4	4	5	6	8	9	11	12	13	14	13	14	13
Tobacco manufactures	1	1	1	1	2	2	3	3	3	4	4	5	5
Leather and leather products	1	1	2	2	2	2	3	3	3	3	4	4	4

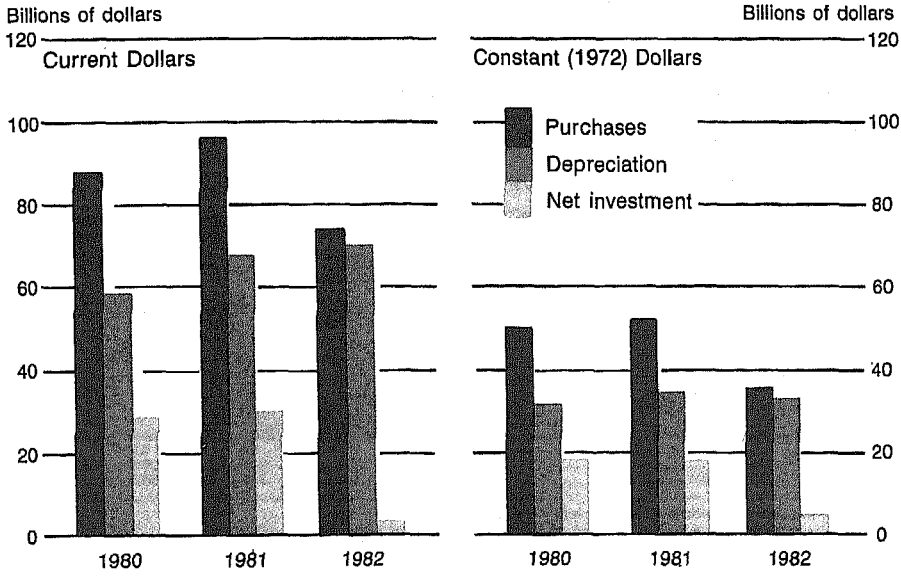
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76,* and *Survey of Current Business,* July 1982 and July 1983.

Figure 29.1
Manufactures—Summary: 1972 to 1981



Source: Chart prepared by U.S Bureau of the Census. For data, see table 1366.

Figure 29.2
Capital in Manufacturing Establishments: 1980 to 1982



Source: Chart prepared by U.S Bureau of the Census. For data, see table 1378.

No. 1366. Manufactures—Summary: 1947 to 1981

[Prior to 1958, excludes Alaska and Hawaii. Census data, except as noted. For establishment coverage, see text, p. 762. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12]

ITEM	Unit	1947	1954	1958	1963	1967	1972	1977	1979 [1]	1980 [1]	1981 [1]
Number of establishments [2]	1,000	[3] 241	[3] 287	303	312	311	321	360	(NA)	(NA)	(NA)
With 20 or more employees	1,000	(NA)	[3] 90	95	102	107	114	119	(NA)	(NA)	(NA)
All employees, [4] annual average [5]	Million	[3] 14.3	16.1	16.0	17.0	19.3	19.0	19.6	21.0	20.6	20.3
Payroll, all employees	Bil. dol.	[3] 40	66	78	100	132	174	264	329	350	379
Payroll per employee	$1,000	[3] 2.8	4.1	4.9	5.9	6.8	9.2	13.5	15.6	17.0	18.7
Production workers, annual average	Million	11.9	12.4	11.7	12.2	14.0	13.5	13.7	14.5	13.9	13.5
Percent of all employees	Percent	83.2	77.0	73.1	71.8	72.5	71.1	69.9	69.1	67.3	66.8
Hours, production workers	Billion	24.3	24.3	22.7	24.5	27.8	26.7	26.7	28.3	26.7	26.3
Hours per worker	1,000	2.0	2.0	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9
Wages, production workers	Bil. dol.	30	45	50	62	81	106	157	193	198	212
Percent of payroll for all employees	Percent	75.0	68.2	64.1	62.0	61.4	60.9	59.5	58.6	56.6	56.0
Wages per worker	$1,000	2.5	3.6	4.3	5.1	5.8	7.8	11.5	13.3	14.3	15.7
Wages per worker hour	Dollar	1.24	1.83	2.19	2.53	2.92	3.95	5.89	6.81	7.41	8.09
Value added by manufacture [6]	Bil. dol.	74	117	142	192	262	354	585	748	774	838
Per production worker	$1,000	6.2	9.5	12.1	15.7	18.8	26.2	42.7	51.4	55.6	61.8
Per production worker hour	Dollar	3.04	4.81	6.25	7.83	9.42	13.25	21.91	26.39	28.93	31.93
Per dollar of workers' wages	Dollar	2.47	2.60	2.84	2.90	3.23	3.34	3.73	3.88	3.91	3.95
Cost of materials	Bil. dol.	(NA)	(NA)	(NA)	230	299	407	782	999	1,094	1,194
Value of shipments [7]	Bil. dol.	(NA)	(NA)	(NA)	421	557	757	1,359	1,727	1,851	2,018
Per production worker	$1,000	(NA)	(NA)	(NA)	34.4	39.9	55.9	99.9	118.8	133.3	149.0
End-of-year inventories	Bil. dol.	26	40	49	60	84	108	188	239	262	279
Capital expenditures, new [8]	Bil. dol.	6.0	8.2	9.5	11.4	21.5	24.1	47.5	61.5	70.1	78.6
Indexes:											
Employment	1967=100	74	83	83	88	100	98	101	109	107	105
Value added	1967=100	29	45	54	73	100	135	222	285	295	320
Shipments	1967=100	(NA)	(NA)	(NA)	76	100	136	242	307	332	362
Ratios:											
Value added to shipments	Ratio	(NA)	(NA)	(NA)	45.6	47.0	46.7	42.9	43.3	41.8	41.5
Inventories to shipments	Ratio	(NA)	(NA)	(NA)	14.2	15.0	14.2	13.8	13.8	14.1	13.8
Payroll to value added	Ratio	54.0	56.4	54.9	52.0	50.3	49.1	45.2	44.0	45.3	45.2
Gross book value of depreciable assets	Bil. dol.	(NA)	(NA)	(NA)	158	218	301	439	523	574	630
Machinery and equipment	Bil. dol.	(NA)	(NA)	(NA)	(NA)	157	218	328	394	434	479
Assets per employee	$1,000	(NA)	(NA)	(NA)	9.3	11.3	16.4	22.4	24.8	27.8	31.1

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures;* see text, p. 761. [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 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures. [6] Unadjusted for 1947; thereafter, adjusted. Unadjusted value added is obtained by subtracting cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also 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] Beginning 1954, includes plants under construction and not yet in operation.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1947, 1954, 1958, 1963, 1967, 1972,* and *1977* final reports; and *Annual Survey of Manufactures.*

No. 1367. Manufactures—Summary, by Type of Operation: 1947 to 1977

[A multiunit company operates establishments at more than one location. See text, p. 762]

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	465.0
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. 1368. Industrial Production Indexes, by Industry: 1960 to 1983

[1967=100. Based on 1967 *Standard Industrial Classification Manual* (see text, pp. 761 and 762). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

MAJOR INDUSTRY GROUP	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, Jan.-May
Industrial production	66	90	108	130	129	118	131	138	146	153	147	151	139	141
Manufacturing	65	90	106	130	129	116	130	138	147	154	147	150	138	141
Durable goods	63	89	102	127	126	109	122	130	140	146	137	141	125	127
Primary metals	72	102	107	127	123	96	110	111	120	121	102	108	75	79
Fabricated metal products	71	91	102	125	124	110	124	131	142	149	134	136	115	113
Electrical machinery	52	82	108	143	144	117	135	145	159	175	173	178	169	174
Nonelectrical machinery	57	85	104	134	140	125	135	144	154	164	163	171	149	141
Transportation equipment	65	95	90	118	109	97	111	122	133	135	117	116	105	110
Instruments	58	83	112	138	144	132	147	156	167	175	171	170	162	155
Clay, glass, stone products	79	98	106	134	133	118	136	146	157	164	148	148	128	135
Lumber and products	75	96	106	126	116	108	123	131	136	137	119	119	113	131
Furniture and fixtures	72	95	108	144	138	118	137	145	156	162	150	157	152	161
Miscellaneous	71	94	111	138	138	128	145	149	151	154	148	155	137	136
Nondurable goods	69	91	112	134	135	126	142	151	157	164	161	165	156	161
Textile mill products	69	93	112	143	133	122	135	134	138	145	139	136	125	132
Leather and products	90	98	90	83	78	77	77	74	74	72	70	69	61	60
Paper and products	68	92	115	137	135	116	133	138	145	151	151	155	151	158
Printing and publishing	71	88	107	118	118	113	123	128	132	137	140	144	144	145
Chemicals and products	56	88	120	155	159	147	171	186	197	212	207	216	196	205
Petroleum products	77	92	113	129	125	124	134	143	145	144	133	130	122	117
Rubber and plastics products	52	86	132	184	195	167	200	232	254	272	256	274	255	273
Food	79	92	109	121	124	123	133	139	143	148	150	152	151	152
Tobacco products	91	100	102	112	110	112	117	113	118	118	120	122	118	112
Mining	80	93	112	115	115	113	114	118	124	126	133	142	126	115
Utilities	63	89	125	145	144	146	152	157	161	166	168	169	169	165
Energy [1]	70	89	117	128	126	126	129	133	135	138	138	137	136	132

[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. 1369. Capacity Utilization Rates in Manufacturing: 1965 to 1982

[**In percent.** Annual figures are averages of quarterly data, except yearend 1965. Capacity represents maximum practical amount of output that can be produced with current stock of plant and equipment]

INDUSTRY	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
All manufacturers	86	81	83	86	83	77	81	83	84	82	78	76	70
Firms with assets of—													
$100 million and over	89	83	86	88	85	78	84	85	86	85	79	77	70
$10 million-$99.9 million	85	79	81	83	81	75	78	80	81	81	78	77	72
Under $10 million	80	73	77	79	77	72	76	78	78	76	72	74	68
Durable goods [1]	88	78	82	85	82	76	81	84	84	83	77	74	66
Electrical machinery	83	76	81	82	83	73	80	82	83	82	80	76	72
Machinery, except electrical	95	86	84	87	88	83	86	89	91	91	90	89	80
Transportation equipment [1]	89	75	85	87	78	76	82	86	85	80	72	68	63
Motor vehicles	96	81	97	100	83	83	93	99	95	84	67	63	60
Aircraft	79	68	69	69	71	65	65	68	70	76	79	75	69
Primary metals	(NA)	82	86	88	88	73	78	80	84	84	74	73	52
Stone, clay, and glass	84	76	83	83	79	70	77	79	80	80	73	70	64
Nondurable goods [1]	85	83	85	86	84	79	82	82	82	82	79	78	74
Food, including beverages	75	82	81	81	80	77	77	78	79	79	76	78	76
Textiles	83	82	89	90	81	78	85	86	85	83	80	80	74
Paper	95	88	90	94	91	79	87	86	88	91	88	86	81
Chemicals	85	82	84	88	85	74	80	78	80	83	78	75	69
Petroleum	95	95	94	97	89	89	93	92	90	86	81	74	72
Rubber	93	82	89	89	85	74	80	85	83	77	70	72	73

NA Not available. [1] Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis. Quarterly data in *Survey of Current Business*, monthly.

No. 1370. 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**	**8,881**	**1,390**
3	Maine	2,385	111	577	1,070	2,076	100	699	1,383	2,157	595	103
4	N.H	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	Mass	10,963	714	4,646	8,715	10,770	619	5,486	10,678	11,133	4,054	613
7	R.I	2,703	122	700	1,351	2,756	118	888	1,764	3,107	945	125
8	Conn	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**	**57,262**	**71,808**	**3,933**	**37,123**	**70,331**	**71,009**	**24,904**	**3,617**
10	N.Y	42,911	1,929	13,852	25,247	38,341	1,679	16,220	30,404	36,578	11,425	1,510
11	N.J	14,740	881	6,325	12,738	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	Ohio	15,428	1,397	10,523	20,435	16,390	1,346	13,810	27,171	17,354	6,728	1,331
15	Ind	6,920	710	5,023	10,308	7,354	704	6,882	14,112	8,061	3,229	706
16	Ill	18,536	1,397	10,014	20,017	18,618	1,306	12,801	25,849	19,517	7,441	1,286
17	Mich	14,340	1,134	9,357	17,242	14,467	1,076	12,745	23,376	15,627	5,380	1,116
18	Wis	7,836	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**	**7,804**	**1,297**
20	Minn	5,409	300	2,107	4,080	5,698	302	2,869	5,524	6,637	2,126	332
21	Iowa	3,388	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	N. Dak	454	8	42	113	482	10	79	201	571	145	14
24	S. Dak	604	16	93	171	606	17	135	285	740	195	23
25	Nebr	1,672	77	476	1,150	1,723	65	704	1,733	1,965	626	86
26	Kans	2,551	144	965	2,112	2,839	137	1,181	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	Del	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	1,351	244
30	D.C	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	W. Va	1,844	124	832	2,170	1,734	121	1,098	2,647	1,857	583	117
33	N.C	8,266	643	3,066	6,607	8,632	744	4,929	11,015	9,954	4,005	765
34	S.C	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	Fla	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**	**5,797**	**1,328**
38	Ky	2,994	225	1,352	3,636	3,167	259	2,160	5,682	3,548	1,318	278
39	Tenn	5,040	418	2,190	4,921	5,647	467	3,352	7,662	6,487	2,477	490
40	Ala	4,951	289	1,603	3,526	4,984	323	2,397	5,065	5,863	1,855	341
41	Miss	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**	**9,049**	**1,442**
43	Ark	2,911	144	666	1,558	2,897	181	1,152	2,800	3,595	1,101	197
44	La	3,639	165	1,084	2,790	3,657	179	1,601	4,273	4,276	1,236	195
45	Okla	2,611	118	764	1,346	3,042	143	1,188	2,270	3,818	1,067	164
46	Tex	12,722	658	4,340	10,922	14,424	736	6,345	15,259	18,107	5,644	886
47	**Mt**	**8,679**	**315**	**2,123**	**4,522**	**10,119**	**388**	**3,469**	**7,446**	**13,808**	**3,220**	**461**
48	Mont	923	20	130	312	943	21	185	463	1,168	203	24
49	Idaho	1,131	37	220	503	1,190	43	340	821	1,495	379	52
50	Wyo	331	6	37	88	377	7	57	144	505	102	9
51	Colo	2,461	104	731	1,509	2,841	133	1,298	2,504	3,948	961	153
52	N. Mex	749	17	99	205	926	24	157	358	1,323	258	29
53	Ariz	1,630	77	543	995	2,037	94	855	1,880	2,892	677	111
54	Utah	1,124	47	315	778	1,358	57	486	1,069	1,748	494	70
55	Nev	330	7	50	134	447	10	92	208	729	147	15
56	**Pac**	**42,433**	**2,050**	**15,911**	**29,675**	**46,829**	**1,963**	**19,685**	**39,986**	**59,106**	**16,534**	**2,255**
57	Wash	5,014	271	2,119	3,764	5,345	226	2,308	4,721	6,723	1,712	265
58	Oreg	4,437	163	1,083	2,061	4,670	179	1,627	3,490	5,716	1,580	202
59	Calif	31,962	1,584	12,515	23,394	35,699	1,546	15,403	31,195	45,289	12,883	1,752
60	Alaska	323	8	56	130	342	8	75	170	429	128	11
61	Hawaii	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**	**1,850,899**	**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; petroleum.	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	602	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. electrical; primary 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	192,365	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 1366. [5] See footnote 7, table 1366.

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. 1371. MANUFACTURES SUMMARY

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of

Industry code [1]	INDUSTRY GROUP	1967 Establishments (number)	1967 All employees Number [2] (1,000)	1967 All employees Payroll (mil. dol.)	1967 Value added by manufacture [3] (mil. dol.)	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)
(x)	**All manufacturing establishments, incl. central administrative offices**	**311,140**	**19,323**	**132,208**	**261,984**	**320,701**	**19,027**	**174,187**	**353,973**
20	**Food and kindred products**	[5] **32,518**	**1,650**	**10,077**	**26,621**	**28,183**	**1,569**	**12,920**	**35,615**
201	Meat products	4,914	310	1,954	3,551	4,437	308	2,544	4,961
202	Dairy products	6,188	232	1,449	3,466	4,590	189	1,596	4,054
203	Preserved fruits and vegetables	3,528	223	1,084	[6] 3,238	2,557	233	1,534	4,514
204	Grain mill products	3,202	112	758	2,882	3,080	111	1,013	3,699
205	Bakery products	4,300	264	1,665	3,495	3,633	235	2,029	4,537
206	Sugar and confectionery products	182	114	644	1,900	1,249	107	832	2,473
207	Fats and oils	(NA)	44	297	919	860	40	366	1,291
208	Beverages	4,376	221	1,525	4,790	3,624	212	2,033	6,689
209	Misc. foods and kindred products	4,498	130	700	2,375	4,153	134	974	3,397
21	**Tobacco products**	**329**	**75**	**377**	[6] **2,032**	**272**	**66**	**502**	**2,637**
211	Cigarettes	16	37	221	[6] 1,640	20	38	345	2,188
212	Cigars	148	19	71	[6] 196	124	14	68	192
213	Chewing and smoking tobacco	46	4	18	[6] 64	37	3	23	103
214	Tobacco stemming and redrying	119	16	66	[6] 133	91	11	66	154
22	**Textile mill products**	**7,080**	**929**	**4,391**	**8,153**	**7,201**	**953**	**6,051**	**11,716**
221	Weaving mills, cotton	393	203	938	1,624	307	121	745	1,256
222	Weaving mills, manmade fiber	396	109	529	922	412	150	979	1,832
223	Weaving, finishing mills, wool	310	42	216	429	198	19	132	239
224	Narrow fabric mills	384	26	121	214	376	27	162	289
225	Knitting mills	2,698	241	1,036	1,914	2,723	277	1,647	3,161
226	Textile finishing, except wool	641	74	416	710	655	80	564	1,114
227	Floor covering mills	385	44	228	599	527	60	415	1,076
228	Yarn and thread mills	768	119	505	946	807	148	866	1,580
229	Misc. textile goods	1,105	72	401	795	1,196	72	540	1,149
23	**Apparel, other textile products**	**26,393**	**1,357**	**5,582**	**10,064**	**24,438**	**1,368**	**7,212**	**13,486**
231	Men's and boys' suits and coats	1,003	136	642	1,048	856	125	770	1,342
232	Men's and boys' furnishings	2,853	345	1,212	2,181	2,787	363	1,692	3,242
233	Women's and misses' outerwear	9,416	409	1,756	3,183	9,526	433	2,270	4,102
234	Women's, children's undergarments	1,213	114	444	867	1,002	105	525	1,049
235	Hats, caps, and millinery	843	24	102	164	496	15	73	133
236	Children's outerwear	1,334	78	298	538	1,061	75	368	709
237	Fur goods	1,304	9	59	117	797	5	41	86
238	Misc. apparel and accessories	1,397	71	285	510	1,302	62	336	636
239	Misc. fabricated textile products	7,030	173	785	1,457	6,611	186	1,139	2,188
24	**Lumber and wood products [7]**	**36,795**	**554**	**2,799**	**4,973**	**33,949**	**691**	**4,986**	**10,310**
241	Logging camps, log contractors	16,334	71	339	695	13,238	80	524	1,163
242	Sawmills and planing mills	11,461	216	1,028	1,784	9,452	204	1,488	3,259
243	Millwork, plywood, and structural members [7]	4,558	154	896	1,505	5,506	191	1,474	2,908
244	Wood containers [7]	905	31	135	239	1,160	37	204	359
245	*Wood buildings and mobile homes*	*(NA)*	*(NA)*	*(NA)*	*(NA)*	*993*	*97*	*745*	*1,491*
249	Misc. wood products [7]	3,537	83	401	750	3,600	82	550	1,129
25	**Furniture and fixtures**	**10,008**	**425**	**2,258**	**4,170**	**9,233**	**462**	**3,205**	**6,097**
251	Household furniture [7]	6,306	298	1,456	2,650	5,369	317	2,024	3,861
252	Office furniture	365	35	225	478	433	39	330	660
253	Public building, related furniture	438	23	132	234	422	21	158	296
254	Partitions and fixtures	1,970	48	324	587	2,010	57	484	871
259	Misc. furniture and fixtures	929	22	121	221	999	27	210	410
26	**Paper and allied products**	**5,890**	**639**	**4,436**	**9,756**	**6,038**	**633**	**5,992**	**13,064**
261	Pulpmills	61	15	126	334	60	11	126	307
262	Papermills, except building paper	354	140	1,121	2,356	349	130	1,440	2,909
263	Paperboard mills	283	67	534	1,509	273	69	778	1,994
264	Misc. converted paper products	2,492	187	1,187	2,833	2,525	189	1,630	4,008
265	Paperboard containers and boxes	2,606	219	1,387	2,541	2,739	224	1,907	3,599
266	Building paper and board mills	94	12	83	184	92	12	112	247

For footnotes, see pp. 772 and 773.

FOR INDUSTRY GROUPS: 1967 TO 1981

Management and Budget; see text, p. 762. See also *Historical Statistics, Colonial Times to 1970*, series P 58-67]

1977								1981			
Establishments		*All employees*		*Production workers*		*Value added by manufacture* [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	*All employees*		*Value added by manufacture* [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Wages (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)		
359,928	**118,669**	**19,590**	**264,013**	**13,691**	**157,164**	**585,166**	**47,459**	**20,264**	**379,214**	**837,507**	**78,632**
26,656	**11,038**	**1,520**	**18,544**	**1,072**	**11,731**	**56,062**	**4,215**	**1,511**	**24,696**	**80,795**	**6,012**
4,534	1,715	309	3,702	254	2,817	7,478	533	317	4,861	10,159	698
3,731	1,617	154	1,939	85	988	5,648	389	147	2,463	7,908	533
2,379	1,263	235	2,336	199	1,793	7,685	471	228	3,088	10,598	692
3,043	1,076	113	1,576	79	1,034	6,626	620	109	2,095	9,852	964
3,386	1,289	222	2,866	131	1,525	7,073	365	223	3,829	9,763	379
1,198	518	105	1,205	84	868	4,151	313	99	1,586	5,659	387
869	458	41	561	30	365	1,905	208	41	744	2,946	380
3,104	1,689	195	2,849	100	1,369	9,901	994	199	3,940	14,855	1,507
4,412	1,413	146	1,509	111	972	5,596	322	150	2,090	9,054	474
228	*123*	*61*	*751*	*50*	*571*	*4,334*	*182*	*61*	*1,219*	*6,430*	*726*
14	13	39	568	33	442	3,803	118	42	994	5,664	579
101	34	8	55	7	44	126	3	6	57	150	5
35	19	3	32	3	22	189	7	4	51	407	58
78	57	11	96	8	63	217	53	10	117	209	84
7,202	**4,131**	**876**	**7,881**	**765**	**6,203**	**16,105**	**1,224**	**785**	**9,574**	**19,463**	**1,725**
314	192	117	1,047	107	902	1,945	187	100	1,220	2,249	289
449	351	151	1,429	135	1,169	2,791	260	142	1,878	3,608	409
165	84	15	137	13	106	313	15	14	190	438	18
335	182	21	172	18	131	351	16	21	245	478	26
2,617	*1,511*	*236*	*1,911*	*206*	*1,470*	*3,863*	*245*	*216*	*2,339*	*4,709*	*298*
678	395	72	740	60	554	1,417	125	59	794	1,624	102
592	285	56	557	44	380	1,530	83	47	643	1,693	119
798	608	141	1,184	127	994	2,255	180	127	1,434	2,702	291
1,254	523	68	706	55	498	1,641	112	60	831	1,963	173
26,505	**11,932**	**1,334**	**9,659**	**1,157**	**7,253**	**19,671**	**457**	**1,251**	**11,805**	**25,640**	**646**
737	467	99	822	86	646	1,574	26	80	879	1,831	36
3,013	2,129	365	2,340	323	1,863	4,935	118	327	2,928	6,624	146
11,834	5,556	448	3,153	387	2,304	6,430	134	444	3,921	8,564	220
878	595	92	613	79	449	1,250	23	92	794	1,743	34
409	*169*	*15*	*105*	*13*	*79*	*186*	*4*	*20*	*175*	*348*	*20*
1,002	686	71	459	61	349	879	14	69	568	1,205	17
620	48	4	52	3	36	113	1	4	68	160	(z)
1,284	593	56	408	48	288	845	21	54	526	1,133	24
6,728	1,689	185	1,707	156	1,238	3,459	116	160	1,946	4,231	150
37,302	**7,056**	**692**	**7,425**	**595**	**5,795**	**16,223**	**1,563**	**649**	**8,991**	**17,321**	**1,781**
15,469	708	83	1,009	75	840	2,419	387	86	1,200	2,606	381
9,000	2,273	211	2,228	186	1,849	4,975	585	190	2,612	4,675	650
6,149	1,878	197	2,216	167	1,715	4,701	273	190	2,767	5,103	398
1,949	540	38	300	33	234	540	30	38	392	698	48
1,165	752	80	858	63	576	1,789	110	66	974	1,931	65
3,570	905	83	813	69	581	1,800	180	79	1,046	2,309	239
10,235	**3,588**	**464**	**4,448**	**384**	**3,192**	**8,922**	**389**	**460**	**5,983**	**12,669**	**573**
6,161	2,224	310	2,669	265	1,999	5,213	211	292	3,370	6,971	296
523	233	45	543	35	376	1,236	68	54	910	2,152	128
420	185	20	214	15	133	415	22	21	293	580	28
2,134	666	57	675	44	454	1,311	59	62	954	1,909	73
997	280	32	347	24	230	747	29	31	455	1,057	48
6,545	**3,999**	**629**	**8,943**	**486**	**6,323**	**22,171**	**3,295**	**636**	**12,644**	**32,367**	**4,656**
45	42	16	293	13	221	906	301	16	408	1,222	301
339	287	127	2,167	100	1,632	5,407	1,115	130	3,236	8,534	2,109
249	232	68	1,176	53	868	3,081	934	62	1,570	4,305	974
2,994	1,435	207	2,608	158	1,771	7,263	507	221	3,839	10,932	746
2,860	1,950	204	2,602	157	1,733	5,296	421	200	3,479	7,163	499
58	53	7	97	6	78	218	17	7	111	211	27

No. 1371. Manufactures Summary

[See headnote,

Industry code [1]	INDUSTRY GROUP	1967 Establishments (number)	1967 All employees Number [2] (1,000)	1967 All employees Payroll (mil. dol.)	1967 Value added by manufacture [3] (mil. dol.)	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)
27	**Printing and publishing**	37,989	1,031	7,152	14,355	42,103	1,057	9,831	20,210
271	Newspapers	8,094	336	2,224	4,185	8,116	349	3,168	6,220
272	Periodicals	2,510	79	634	1,869	2,534	67	709	2,110
273	Books	1,766	97	688	1,967	1,905	98	919	2,540
274	Misc. publishing	1,493	31	197	418	2,041	39	331	776
275	Commercial printing [7]	19,487	331	2,358	3,944	22,282	344	3,277	5,695
276	Manifold business forms	542	34	240	551	667	39	344	824
277	Greeting card publishing [7]	222	28	151	372	199	24	192	527
278	Blankbooks and bookbinding	1,462	54	294	506	1,465	52	372	687
279	Printing trades services [7]	2,403	42	366	544	2,894	47	521	831
28	**Chemicals and allied products** [7]	11,799	841	6,443	23,550	11,425	837	8,731	32,414
281	Industrial inorganic chemicals [7]	2,032	248	2,090	7,737	1,049	100	1,079	3,343
282	Plastics materials, synthetics [7]	771	172	1,292	3,799	461	162	1,666	4,935
283	Drugs	1,129	118	942	4,073	1,078	130	1,413	6,131
284	Soap, cleaners, toilet goods [7]	2,508	97	684	3,930	2,573	112	1,058	6,201
285	Paints and allied products	1,701	66	492	1,319	1,599	66	647	1,792
286	Industrial organic chemicals	184	6	34	101	827	137	1,614	6,073
287	Agricultural chemicals [7]	1,278	46	281	1,006	1,233	48	436	1,737
289	Misc. chemical products [7]	2,196	88	628	1,587	2,605	83	814	2,203
29	**Petroleum and coal products**	1,880	142	1,216	5,426	2,016	140	1,638	5,793
291	Petroleum refining	437	107	965	4,745	323	101	1,247	4,595
295	Paving and roofing materials	1,098	27	186	456	1,199	30	297	846
299	Misc. petroleum and coal products	345	8	65	225	494	9	94	352
30	**Rubber and miscellaneous plastics products** [7]	6,456	517	3,287	6,800	9,237	618	5,165	11,653
301	Tires and inner tubes	182	93	775	1,823	206	108	1,214	3,071
302	Rubber, plastics footwear [7]	65	29	141	245	107	32	183	370
303	Reclaimed rubber	24	2	12	23	20	1	9	16
304	Rubber and plastics hose, belting	(NA)	(NA)	(NA)	(NA)	90	32	309	619
306	Fabricated rubber products, n.e.c. [7]	1,189	142	923	1,741	1,116	99	809	1,573
307	Misc. plastics products [7]	4,996	252	1,436	2,968	7,698	347	2,842	6,005
31	**Leather and leather products**	[5] 3,685	[5] 329	[5] 1,459	[5] 2,627	3,201	273	1,589	2,917
311	Leather tanning and finishing	519	31	186	319	517	26	200	368
313	Boot, shoe cut stock, findings	379	14	60	109	248	9	50	86
314	Footwear, except rubber	1,083	211	869	1,620	917	176	973	1,796
315	Leather gloves and mittens	147	6	22	36	106	5	22	43
316	Luggage	333	21	97	186	277	17	107	194
317	Women's handbags and purses	792	37	163	279	688	34	195	345
319	Leather goods, n.e.c. [7]	365	6	26	46	448	7	43	84
32	**Stone, clay, and glass products**	15,580	590	3,826	8,333	16,015	623	5,547	12,587
321	Flat glass	64	24	197	423	32	21	242	662
322	Glass, pressed or blown	305	109	688	1,501	369	119	1,058	2,341
323	Products of purchased glass	887	29	182	394	913	34	296	669
324	Cement, hydraulic	197	33	248	812	198	30	349	1,154
325	Structural clay products	851	60	344	612	775	52	391	771
326	Pottery and related products	619	43	247	419	620	45	335	601
327	Concrete, gypsum, plaster products	10,004	169	1,103	2,478	10,115	193	1,741	3,640
328	Cut stone and stone products	811	17	91	148	908	15	109	191
329	Misc. nonmetallic mineral products [7]	1,842	106	726	1,547	2,085	115	1,025	2,359
33	**Primary metal industries** [7]	6,837	1,281	9,851	19,978	6,792	1,143	12,167	23,258
331	Blast furnace and basic steel products	861	617	5,022	10,170	970	553	6,389	12,116
332	Iron and steel foundries	1,438	233	1,641	2,631	1,400	219	2,155	3,481
333	Primary nonferrous metals	144	53	405	1,382	177	59	627	1,706
334	Secondary nonferrous metals	403	17	123	271	381	18	170	411
335	Nonferrous rolling and drawing	833	195	1,438	3,325	903	188	1,871	3,800
336	Nonferrous foundries	1,886	90	609	1,068	1,841	81	722	1,269
339	Misc. primary metal products [7]	1,272	76	613	1,132	1,120	25	233	476

For footnotes, see pp. 772 and 773.

FOR INDUSTRY GROUPS: 1967 TO 1981—Continued

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1977								1981			
Establishments		All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	All employees		Value added by manufacture [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Wages (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)		
49,767	**9,132**	**1,092**	**14,025**	**626**	**7,322**	**31,980**	**1,598**	**1,270**	**20,609**	**49,352**	**3,076**
8,867	2,147	350	4,306	147	1,805	9,519	478	419	6,289	14,258	1,023
2,994	525	70	1,020	11	116	3,763	79	80	1,564	6,075	171
2,694	716	106	1,379	51	544	4,291	134	114	1,923	6,150	257
2,352	335	42	503	15	150	1,291	39	42	666	1,892	60
26,815	3,637	356	4,702	275	3,275	8,551	640	422	7,021	13,485	1,157
795	477	45	575	33	391	1,492	82	48	860	2,394	140
166	52	18	227	11	106	656	19	21	349	1,265	71
1,492	576	56	579	46	419	1,149	55	66	876	1,875	72
3,592	667	48	735	36	516	1,268	72	59	1,061	1,958	125
12,173	**4,602**	**880**	**13,839**	**544**	**7,446**	**56,721**	**8,199**	**892**	**19,723**	**80,032**	**9,471**
1,282	490	110	1,847	68	1,033	6,467	1,056	114	2,707	9,274	1,112
551	408	157	2,471	111	1,558	7,843	1,316	147	3,354	10,211	1,606
1,243	482	156	2,460	80	997	9,940	579	170	3,715	14,879	1,047
2,528	739	112	1,526	71	823	9,407	334	122	2,320	13,881	562
1,579	653	61	883	33	394	2,821	167	60	1,167	3,867	231
879	510	153	2,794	98	1,625	12,875	3,353	148	3,837	16,229	3,275
1,325	482	54	784	35	455	3,808	1,107	56	1,156	6,217	1,141
2,786	838	77	1,075	47	561	3,539	287	77	1,468	5,474	497
2,206	**773**	**147**	**2,716**	**101**	**1,765**	**16,378**	**2,261**	**152**	**4,076**	**26,740**	**5,158**
349	279	103	2,055	71	1,366	14,424	2,109	109	3,188	24,149	4,943
1,297	328	32	481	24	319	1,272	113	29	582	1,509	126
560	166	12	180	6	80	682	40	14	306	1,083	89
11,943	**5,294**	**721**	**8,536**	**564**	**5,842**	**19,740**	**1,645**	**691**	**11,047**	**26,006**	**2,217**
200	126	114	1,832	88	1,366	4,347	289	79	1,859	4,854	302
84	50	20	159	16	116	272	11	19	191	360	15
21	9	1	12	1	8	25	1	1	10	26	(z)
146	103	34	457	23	275	974	55	27	526	1,075	96
1,280	621	99	1,164	77	795	2,352	135	96	1,580	3,317	246
10,212	4,385	454	4,912	358	3,281	11,770	1,154	470	6,881	16,375	1,558
3,075	**1,486**	**243**	**1,860**	**212**	**1,408**	**3,719**	**96**	**228**	**2,363**	**5,230**	**200**
465	191	23	255	20	192	535	31	20	304	648	48
190	96	9	65	7	49	109	3	10	106	220	8
811	603	146	1,032	129	822	2,070	37	133	1,315	2,988	104
101	66	6	34	5	26	68	2	6	42	74	1
298	130	19	164	16	106	328	8	19	216	500	18
678	283	32	242	28	170	472	11	32	299	590	9
532	117	9	68	7	44	137	4	8	83	211	11
17,744	**5,201**	**614**	**7,943**	**484**	**5,767**	**19,130**	**1,881**	**590**	**10,575**	**24,854**	**2,581**
62	32	22	401	19	328	931	81	17	416	915	105
508	249	117	1,548	101	1,269	3,592	365	107	2,085	4,842	449
1,101	325	36	429	29	306	960	73	41	664	1,361	104
201	160	28	485	22	380	1,672	297	28	688	1,972	411
711	471	45	486	37	360	1,056	82	39	593	1,255	120
934	241	43	460	36	342	894	45	40	607	1,196	68
10,844	2,711	184	2,367	134	1,559	5,391	605	182	3,160	7,112	847
993	164	13	132	11	99	238	10	12	157	293	17
2,390	848	126	1,635	97	1,124	4,395	323	123	2,205	5,909	461
7,375	**3,980**	**1,114**	**18,745**	**885**	**14,065**	**37,568**	**4,497**	**1,063**	**25,322**	**49,551**	**6,339**
1,216	740	530	10,086	418	7,631	18,318	2,443	477	13,364	24,663	3,209
1,465	1,033	222	3,329	184	2,583	6,237	659	208	4,031	6,901	923
160	99	57	1,032	45	768	3,619	587	58	1,554	3,944	685
460	200	19	270	14	170	769	114	22	435	916	190
1,002	711	177	2,640	136	1,902	5,902	461	181	3,813	8,898	1,004
1,892	805	82	1,044	69	783	1,960	164	84	1,482	2,742	227
1,180	392	26	345	20	229	763	70	34	643	1,487	122

No. 1371. Manufactures Summary

[See headnote,

Industry code [1]	Industry group	1967 Establishments (number)	1967 All employees Number [2] (1,000)	1967 All employees Payroll (mil. dol.)	1967 Value added by manufacture [3] (mil. dol.)	1972 Establishments (number)	1972 All employees Number [2] (1,000)	1972 All employees Payroll (mil. dol.)	1972 Value added by manufacture [3] (mil. dol.)
34	**Fabricated metal products [7]**	[5] 27,418	[5] 1,342	[5] 9,320	[5] 18,043	29,525	1,493	13,821	26,946
341	Metal cans, shipping containers [7]	299	60	474	1,142	553	79	840	2,005
342	Cutlery, handtools, hardware	1,939	156	1,043	2,318	1,904	159	1,405	3,253
343	Plumbing and heating, exc. electric [7]	838	65	428	872	757	61	524	1,132
344	Fabricated structural metal products	10,151	388	2,687	4,934	10,351	395	3,532	6,743
345	Screw machine products, bolts, etc	2,536	116	847	1,621	2,482	101	948	1,845
346	Metal forgings, stampings [7]	2,710	226	1,686	3,031	3,188	264	2,791	5,057
347	Metal services, n.e.c.	4,684	81	481	864	4,761	82	624	1,120
348	Ordnance and accessories, n.e.c. [7]	(NA)	(NA)	(NA)	(NA)	315	110	1,015	1,507
349	Misc. fabricated metal products [7]	2,711	189	1,309	2,591	5,214	244	2,142	4,283
35	**Machinery, exc. electrical**	37,892	1,865	14,226	27,836	40,792	1,828	18,523	37,563
351	Engines and turbines	182	100	820	1,598	253	116	1,320	2,900
352	Farm and garden machinery	1,618	136	947	2,042	1,658	125	1,211	2,701
353	Construction and related machinery	2,305	273	2,041	4,130	2,517	275	2,856	5,962
354	Metalworking machinery	9,439	337	2,860	5,091	9,652	268	2,859	4,902
355	Special industry machinery	3,312	207	1,570	2,880	3,685	190	1,854	3,732
356	General industrial machinery	3,760	279	2,137	4,107	3,863	262	2,585	5,020
357	Office and computing machines	594	190	1,462	3,332	995	208	2,277	4,905
358	Refrigeration, service machinery	1,573	140	947	2,125	1,769	198	1,864	4,427
359	Misc. machinery, except electrical [7]	15,109	203	1,443	2,531	16,400	184	1,697	3,016
36	**Electric and electronic equipment [7]**	10,706	1,875	12,968	24,487	12,270	1,662	15,189	30,558
361	Electric distributing equipment [7]	1,218	176	1,230	2,509	784	116	1,040	2,060
362	Electrical industrial apparatus	1,316	207	1,420	2,792	1,510	188	1,665	3,218
363	Household appliances	637	169	1,101	2,540	645	163	1,369	3,563
364	Electric lighting and wiring equipment	1,868	157	950	2,214	1,897	177	1,414	3,277
365	Radio and TV receiving equipment	661	130	720	1,587	939	107	798	2,183
366	Communication equipment	1,402	525	4,397	6,993	1,976	454	4,912	8,453
367	Electronic components, accessories	2,439	403	2,435	4,359	2,867	336	2,869	5,306
369	Misc. electrical equipment, supplies	1,165	107	715	1,494	1,652	120	1,121	2,498
37	**Transportation equipment [7]**	7,483	1,834	15,174	28,174	8,802	1,719	19,880	39,799
371	Motor vehicles and equipment [7]	2,675	739	5,930	13,666	3,391	608	9,461	22,056
372	Aircraft and parts [6]	1,273	802	7,209	11,327	1,094	439	5,282	9,124
373	Ship and boat building and repairing	2,011	169	1,239	1,705	2,232	185	1,704	2,396
374	Railroad equipment	123	57	427	788	163	51	529	1,113
375	Motorcycles, bicycles, parts	91	12	70	136	222	18	140	315
376	Guided missiles, space vehicles	(NA)	(NA)	(NA)	(NA)	147	160	2,317	3,969
379	Misc. transportation equipment [7]	1,310	55	298	551	1,553	59	448	824
38	**Instruments and related products [7]**	4,453	394	2,822	6,418	5,983	453	4,286	10,580
381	Engineering, scientific instruments	677	46	327	617	743	37	365	681
382	Measuring and control devices [7]	766	104	732	1,392	1,611	153	1,437	2,724
383	Optical instruments and lenses [7]	303	21	163	284	494	19	193	384
384	Medical instruments and supplies	1,466	67	427	966	1,807	91	758	1,821
385	Ophthalmic goods	461	26	143	284	499	27	183	416
386	Photographic equip. and supplies	557	95	820	2,481	627	96	1,120	4,088
387	Watches, clocks, and watchcases	223	35	209	393	202	31	230	466
39	**Misc. manufacturing [7] [8]**	14,489	824	5,819	10,189	15,187	446	3,180	6,769
391	Jewelry, silverware, and plated ware	2,212	52	320	641	2,296	53	425	851
393	Musical instruments	343	25	144	238	344	25	173	339
394	Toys and sporting goods	2,435	116	559	1,205	2,460	133	881	1,999
395	Pens, office and art goods	959	35	200	412	966	32	244	557
396	Costume jewelry and notions	1,608	52	252	528	1,482	50	323	720
399	Misc. manufactures [7] [8]	6,932	544	4,345	7,163	7,639	153	1,134	2,303
(X)	**Administrative and auxiliary [9]**	5,460	831	8,728	(X)	8,039	994	13,772	(X)

NA Not available. X Not applicable. Z Less than $500.000. [1] Standard Industrial Classification Code; see text, pp. 761 and 762. [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 1366. [4] Includes expenditures for plants in operation and plants under construction but not yet in operation. [5] Includes industries not shown separately. [6] Value of production. The formula for computing value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

FOR INDUSTRY GROUPS: 1967 TO 1981—Continued

pp. 768 and 769]

1977								1981			
Establishments		All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	All employees		Value added by manufacture [3] (mil. dol.)	Capital expenditures, new [4] (mil. dol.)
Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Wages (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)		
33,712	**12,739**	**1,556**	**21,036**	**1,192**	**14,429**	**45,512**	**2,606**	**1,568**	**28,531**	**61,558**	**4,573**
587	413	72	1,247	60	1,000	3,644	209	62	1,530	4,290	407
2,137	877	169	2,179	133	1,553	5,177	299	165	2,861	6,620	450
1,015	341	53	637	41	423	1,574	74	51	819	1,908	116
11,817	4,279	426	5,492	309	3,467	11,785	580	451	7,825	16,223	907
2,627	1,102	105	1,414	82	983	2,864	184	111	1,963	4,045	228
3,715	1,875	288	4,511	236	3,419	8,913	604	262	5,383	10,794	1,315
5,095	1,373	94	1,009	77	706	1,963	121	102	1,479	3,013	239
346	151	70	992	47	559	1,737	83	80	1,617	3,083	129
6,373	2,328	279	3,556	208	2,318	7,855	452	283	5,055	11,582	782
48,200	**12,446**	**2,083**	**30,558**	**1,414**	**18,298**	**67,223**	**4,402**	**2,380**	**48,643**	**111,394**	**8,822**
315	168	130	2,238	90	1,405	4,960	330	126	3,087	7,382	716
2,159	756	151	2,197	111	1,456	5,490	371	143	2,932	7,053	558
3,229	1,518	333	5,097	226	3,185	11,836	932	361	8,116	20,749	1,557
10,630	2,680	298	4,514	218	2,963	8,747	439	342	7,006	14,466	919
4,090	1,487	185	2,616	118	1,450	5,271	244	195	3,748	7,460	400
4,947	1,806	314	4,451	212	2,712	9,673	553	334	6,707	14,643	938
1,317	610	259	3,949	124	1,384	9,921	826	388	8,235	21,174	2,350
2,114	837	192	2,516	138	1,637	5,963	288	192	3,466	8,291	491
19,399	2,584	223	2,980	177	2,106	5,362	421	300	5,346	10,177	893
14,973	**6,338**	**1,723**	**22,544**	**1,191**	**12,952**	**50,366**	**2,867**	**1,959**	**35,989**	**79,720**	**6,645**
947	459	115	1,431	85	910	3,336	141	117	2,031	4,827	219
1,646	819	198	2,543	142	1,572	5,614	311	210	3,819	8,559	653
666	342	162	1,898	129	1,352	5,276	207	148	2,344	5,926	305
2,009	913	165	1,925	127	1,292	4,741	217	175	2,770	6,649	380
1,290	325	98	1,097	75	740	3,078	136	79	1,323	3,728	227
2,385	1,126	459	6,995	260	3,226	14,130	689	574	12,223	24,984	1,900
4,455	1,671	374	4,557	258	2,457	9,260	783	504	8,664	18,537	2,459
1,575	683	152	2,098	116	1,402	4,930	383	153	2,815	6,511	504
10,176	**3,653**	**1,768**	**30,673**	**1,284**	**20,314**	**64,291**	**4,671**	**1,749**	**42,336**	**82,938**	**10,795**
4,234	1,708	876	16,038	728	12,682	37,023	3,636	696	17,028	34,841	8,115
1,173	549	431	7,621	240	3,564	14,732	508	581	14,770	28,144	1,637
2,795	736	220	2,940	176	2,132	4,681	204	220	4,329	7,361	446
201	118	56	889	43	620	1,883	80	49	1,094	2,302	140
350	63	16	169	13	130	370	24	14	223	427	27
109	86	120	2,427	46	771	4,422	164	152	4,228	8,211	368
1,314	393	49	591	39	416	1,181	54	38	664	1,653	63
7,481	**2,538**	**559**	**7,520**	**347**	**3,743**	**18,762**	**939**	**612**	**11,565**	**31,494**	**2,024**
786	279	42	584	25	281	1,287	57	44	817	1,943	115
2,079	849	200	2,666	121	1,288	5,242	268	227	4,210	9,180	571
545	199	30	421	17	188	897	51	43	783	1,982	127
2,355	679	114	1,319	77	712	3,262	172	137	2,183	5,699	393
634	155	30	314	22	188	656	44	26	387	863	28
780	265	112	1,900	62	887	6,732	323	114	2,888	11,199	772
302	112	32	317	24	199	685	23	21	297	628	17
17,259	**3,794**	**441**	**4,406**	**339**	**2,745**	**10,291**	**474**	**413**	**5,630**	**13,954**	**613**
3,118	564	61	638	44	373	1,449	40	54	761	1,832	56
450	127	25	253	21	178	488	14	24	335	620	20
2,910	835	119	1,112	93	697	3,000	148	109	1,409	4,440	182
987	261	32	331	23	203	868	55	33	466	1,284	56
1,514	467	51	451	42	293	1,002	44	45	509	1,147	50
8,280	1,540	152	1,623	116	1,001	3,485	173	149	2,150	4,631	249
9,171	**4,856**	**1,074**	**21,981**	**(x)**	**(x)**	**(x)**	**(x)**	**1,344**	**37,895**	**(x)**	**(x)**

[7] Due to changes in industry classification, 1967 data not comparable with later data. [8] For 1967, includes ordnance from privately owned and/or operated establishments classified in "Ordnance and accessories." Excludes government-owned and -operated equipment. [9] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments 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, 1967, 1972,* and *1977, General Summary,* MC67(1), MC72(1)-1, and MC77(1)-1, and *Annual Survey of Manufactures.*

No. 1372. Index of Manufacturing Capacity and Relation of Output to Capacity: 1950 to 1982

[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): All manufacturing	Primary processing	Advanced processing	Year	Index of capacity	Relation of output to capacity (percent): 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	78	81	79
1971	138	79	82	76	1982	193	71	69	72
1972	142	84	88	81	1983: 1st qtr	196	71	71	71
1973	148	88	92	85	2nd qtr	197	74	74	73

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization in Manufacturing, Mining, Utilities, and Industrial Materials*, G.3., July 1983. (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, N.Y.; and other sources.)

No. 1373. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1982

[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	915.1	160.3
1957	344.8	51.9	1.90	330.7	53.3						
						1974	1,017.5	157.6	1.86	1,047.2	190.0
1958	327.0	50.0	1.75	324.1	46.8	1975	1,039.1	159.8	1.77	1,021.8	172.7
1959	363.4	52.7	1.68	368.8	52.1	1976	1,185.6	174.9	1.66	1,194.5	181.6
1960	370.5	53.6	1.79	362.9	44.5	1977	1,358.4	188.4	1.58	1,380.7	203.9
1961	371.1	54.7	1.67	373.3	46.7	1978	1,522.9	209.1	1.55	1,579.4	260.5
1962	400.3	58.1	1.76	401.2	47.6	1979	1,727.2	239.1	1.61	1,770.0	302.8
1963	420.7	59.9	1.66	426.4	53.3	1980	1,852.7	261.7	1.61	1,873.7	323.9
1964	448.0	63.3	1.62	460.1	65.4	1981	2,017.5	279.5	1.74	2,015.1	321.4
1965	491.9	68.0	1.58	505.3	78.8	1982	1,910.1	262.0	1.71	1,888.4	299.7
1966	538.4	77.7	1.70	556.8	97.2						

[1] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1977-1982*, series M3-1.12, and unpublished data.

No. 1374. Finances of Manufacturing Corporations: 1960 to 1982

[In billions of dollars. See tables 928 and 929 for individual industry data]

Item	1960	1965	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981	1982
Net sales	346	492	709	850	1,061	1,065	1,203	1,328	1,496	1,742	1,897	2,145	2,039
Net operating profit	26	46	50	66	84	77	97	107	122	135	129	144	105
Net profit:													
Before taxes	28	47	48	63	97	80	105	115	133	154	145	158	108
After taxes	15	28	29	36	59	49	65	70	81	99	92	101	71
Cash dividends	8	12	15	16	19	20	23	27	29	32	36	40	41
Net income retained in business	7	16	14	20	39	29	42	44	52	66	58	61	30

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. 1375. Operating Manufacturing Establishments—Selected Data, by Legal Form of Organization: 1977

[For establishment coverage, see text, p. 762. 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	52.3	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. 761. [3] For definition, see footnote 6, table 1366. [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. 1376. 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	220,485	404,763	456,596	2.2	15.6	16.2	29.8	33.6

[1] Excludes administrative offices and auxiliary units. [2] For definition, see footnote 6, table 1366. [3] Individual size-class data do not add to total because they were derived from separate tabulations. See footnote 7, table 1366.

No. 1377. 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 1366]

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
North Central	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 1376 and 1377: 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. 1378. Capital in Manufacturing Establishments: 1960 to 1982

[**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: 1960	1970	1975	1980	1981	1982	Constant (1972) dollars: 1960	1970	1975	1980	1981	1982
Purchases of equipment and structures	10.8	23.8	39.8	77.2	82.3	74.6	15.6	25.9	30.4	42.7	42.8	38.1
Percent equipment	72.3	73.3	79.4	78.3	78.0	76.3	66.0	71.6	80.6	81.3	80.9	79.5
Depreciation (straight line) [1]	10.0	18.9	31.6	58.0	65.6	71.5	14.1	20.4	24.0	31.3	33.0	34.6
Percent equipment	73.3	73.8	73.6	77.0	78.2	79.1	68.6	72.4	75.1	79.7	80.5	81.0
Net investment [2]	.9	4.9	8.2	19.2	16.7	3.1	1.5	5.5	6.4	11.4	9.8	3.5
Net stock, end of year [1]	152.2	299.6	509.1	986.2	1,069.7	1,074.9	210.3	315.1	359.8	500.4	513.2	508.9
Equipment and structures	95.6	191.2	319.3	579.7	640.4	666.9	140.4	202.2	232.7	287.0	297.3	301.3
Percent equipment	57.2	58.7	62.1	65.1	66.1	66.5	51.2	57.3	62.0	67.5	68.0	68.0
Inventories	56.6	108.4	189.8	341.4	363.2	341.5	69.9	112.9	127.1	145.9	147.9	139.6

[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 unpublished data.

No. 1379. Large Manufacturing Companies—Adequacy of Capital Facilities to Meet Current Demand: 1965 to 1982

[**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	1974	57	40	3
1966	47	51	2	1975	19	43	38
1967	33	62	5	1976	18	65	17
1968	26	72	2	1977	20	66	14
1969	37	59	4	1978	20	62	18
1970	28	60	12	1979	20	69	11
1971	18	59	23	1980	12	57	31
1972	16	71	13	1981	9	51	40
1973	45	53	2	1982	8	45	47

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing.* (Copyright.)

No. 1380. Large Manufacturing Companies—Capital Appropriations and Expenditures, by Industry: 1970 to 1982

[**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]

YEAR AND ITEM	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	1,976	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
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	3,666	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

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Appropriations.* (Copyright.)

No. 1381. U.S. Share of World Exports of Manufactures: 1960 to 1982

[World exports = exports from 15 major trading countries: U.S., Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and U.K. 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				
				1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
			Total	**94.5**	**116.7**	**144.0**	**154.3**	**139.7**	**17.0**	**17.3**	**18.3**	**20.6**	**19.8**
1960	12.7	25.3	Nonelectrical machinery	27.4	33.2	41.9	47.6	44.2	23.0	23.9	25.1	28.9	28.4
1965	17.3	22.5	Transport equipment	22.2	25.8	28.8	32.8	27.8	22.6	22.7	23.2	24.7	22.1
1970	29.4	21.1	Chemicals	12.6	17.3	20.7	21.2	19.9	17.3	17.9	18.8	20.6	20.2
1975	71.0	19.1	Electrical machinery	9.7	11.6	13.9	15.4	15.2	17.8	18.5	19.2	21.6	22.2
1976	77.2	18.8	Basic manufactures [2]	12.5	16.2	22.3	20.6	16.7	8.7	9.1	10.6	11.5	10.1
1977	80.2	17.3	Misc. articles [3]	10.2	12.6	16.3	16.7	16.0	15.0	15.1	16.3	17.4	17.2

[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. 1382. 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**	**4,800**	**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 1385. [2] Includes communications and utilities.

No. 1383. Exports and Export-Related Employment of Manufacturing Establishments, 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 group	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)	**Manufacturing, total**	**2,017.5**	**271.7**	**164.3**	**107.4**	**13.4**	**20,264**	**2,604**	**1,486**	**1,118**	**12.8**
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	2,360	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

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 1382 and 1383: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

No. 1384. Exports and Export-Related Employment of Manufacturing Establishments: 1963 to 1981

[Includes only direct exports and products shipped to exporters or others for export. Excludes output of the supplying establishments that furnish parts or materials to the manufacturer producing the product exported. Therefore, estimates tend to understate the importance of the export trade for the domestic economy when compared to the total value of shipments of all manufacturers]

ITEM	Unit	1963	1971	1972	1976	1977	1980	1981
Value of shipments, total	Bil. dol.	420.5	671.0	756.5	1,185.7	1,358.4	1,852.7	2,017.5
For export (direct)	Bil. dol.	16.5	33.1	36.7	83.1	85.8	151.2	164.3
Percent of total	Percent	3.9	4.9	4.8	7.0	6.3	8.2	8.1
Manufacturing employment, total [1]	1,000	16,958	18,363	19,027	18,753	19,590	20,647	20,264
Export related (direct)	1,000	(NA)	746	770	1,173	1,106	1,486	1,486
Percent of total	Percent	(NA)	4.1	4.0	6.3	5.6	7.2	7.3

NA Not available. [1] Includes employees of central administrative and auxiliary offices.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972,* and *1977;* and *Annual Survey of Manufactures.*

No. 1385. Exports and Export-Related Employment of Manufacturing Establishments, by State: 1981

[See headnote, table 1384. Includes employees of central administrative and auxiliary offices]

REGION, DIVISION, AND STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)	
	Total	For direct exports	Total	Direct export related
U.S.	**2,017,543**	**164,283**	**[1] 20,264**	**1,486**
Regions:				
Northeast	413,054	32,882	5,136	358
No. Central	636,568	51,287	5,941	432
South	657,595	45,761	6,032	355
West	310,326	34,350	3,159	336
N. Eng.	**105,536**	**10,129**	**1,550**	**124**
Maine	9,127	498	115	6
N.H.	7,259	637	111	10
Vt.	3,645	229	50	5
Mass.	47,905	5,096	692	59
R.I.	7,574	586	127	9
Conn.	30,026	3,083	455	37
Mid. Atl.	**307,518**	**22,753**	**3,586**	**234**
N.Y.	119,301	10,155	1,502	98
N.J.	73,035	4,469	793	46
Pa.	115,182	8,129	1,291	90
E. No. Cent.	**479,463**	**40,036**	**4,577**	**338**
Ohio	122,287	10,353	1,219	96
Ind.	70,292	5,008	643	45
Ill.	126,986	10,369	1,210	84
Mich.	105,175	10,275	977	74
Wis.	54,723	4,031	528	39
W. No. Cent.	**157,105**	**11,251**	**1,364**	**94**
Minn.	35,504	2,730	373	26
Iowa	33,221	2,705	236	19
Mo.	41,206	3,013	430	27
N. Dak.	2,362	156	15	1
S. Dak.	2,926	185	27	1
Nebr.	15,412	945	95	6
Kans.	26,474	1,517	188	14

DIVISION AND STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)	
	Total	For direct exports	Total	Direct export related
So. Atl.	**253,669**	**18,915**	**3,045**	**167**
Del.	9,050	375	67	2
Md.	21,321	1,219	243	13
D.C.	1,346	8	16	(z)
Va.	35,910	3,344	411	27
W. Va.	11,928	1,199	109	7
N.C.	62,193	4,682	822	41
S.C.	27,877	2,230	388	22
Ga.	47,246	2,505	527	25
Fla.	36,798	3,353	462	30
E. So. Cent.	**121,981**	**8,315**	**1,309**	**70**
Ky.	30,403	1,935	267	14
Tenn.	41,258	3,285	492	28
Ala.	30,509	1,936	346	19
Miss.	19,811	1,159	204	9
W. So. Cent.	**281,945**	**18,531**	**1,678**	**118**
Ark.	18,510	1,604	197	12
La.	57,796	3,725	208	14
Okla.	25,311	1,515	205	15
Tex.	180,328	11,687	1,068	77
Mt.	**56,757**	**4,079**	**572**	**49**
Mont.	4,290	61	23	(z)
Idaho	5,004	460	50	3
Wyo.	3,163	18	11	–
Colo.	17,213	1,283	188	16
N. Mex.	3,230	64	34	(z)
Ariz.	12,484	1,639	156	24
Utah	9,815	449	92	5
Nev.	1,558	105	18	1
Pac.	**253,569**	**30,271**	**2,587**	**287**
Wash.	36,789	9,023	304	67
Oreg.	18,835	1,724	204	18
Calif.	192,365	18,775	2,040	197
Alaska	1,954	653	13	4
Hawaii	3,626	96	26	1

– Represents zero. Z Fewer than 500. [1] Includes revisions not reflected in table 1382.

Source: U.S. Bureau of Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

No. 1386. Manufacturing Commodity Groups—Import Penetration as Percent of New Supply: 1972 to 1981

[Represents manufacturing commodity groups with average levels of import penetration of 15 percent or more in 1981. For more detail regarding methodology and limitations of data, see source. N.e.c. = Not elsewhere classified]

Industry code[1]	INDUSTRY GROUP	1972	1979	1980	1981
2061-3	Sugar	23	20	24	26
2084	Wines, brandy, and brandy spirits	21	31	28	29
2085	Distilled liquors, except brandy	25	23	25	26
2091	Canned and cured seafood	27	21	22	24
2131	Chewing and smoking tobacco and snuff	6	4	8	20
2231	Women's, misses', and juniors' blouses, waists, and shirts	(x)	30	27	29
2271	Woven carpets and rugs	8	27	29	26
2279	Carpets and rugs, n.e.c	24	60	62	62
2292	Lace and net goods	22	27	35	34
2294, 9	Textile goods, n.e.c	(x)	50	54	52
2298	Cordage and twine	21	26	29	24
2342	Brassieres and allied garments	5	21	22	22
2371	Fur goods	4	16	15	18
2381	Gloves, n.e.c	19	31	32	34
2385	Raincoats and other waterproof outer garments	18	43	32	30
2421	Sawmill and planing mill products, n.e.c	16	20	17	17
2429	Shingles, shakes, and cooperage stock, n.e.c	27	35	30	33
2435	Hardwood veneer and plywood	(x)	34	29	32
2611	Pulp mill products	30	33	31	31
2833	Medicinals and botanicals	22	21	21	23
3021	Rubber and plastics footwear	(x)	48	50	44
3111	Leather	13	19	13	18
3131	Footwear cut stock	2	14	19	22
3143; 31491	Men's footwear, except athletic	15	21	18	18
3144; 31493-6	Women's footwear, except athletic	19	38	29	35
3151	Leather gloves and mittens	22	32	28	24
3161	Luggage	15	27	26	31
3171	Women's handbags and purses	21	40	43	39
3172	Personal leather goods, n.e.c	14	15	17	31
3253	Ceramic wall and floor tile	23	37	37	35
3262	Vitreous china, food utensils, and other kitchen articles	47	43	48	45
3263	Fine earthenware food utensils	51	73	74	75
3269	Pottery products, n.e.c	41	43	48	43
3281	Cut stone and stone products	11	15	17	22
3313	Electrometallurgical products	21	35	36	43
3333; 33414	Zinc smelting and refining products	29	39	37	47
3339; 33415, 6	Nonferrous smelting and refining products, n.e.c	42	63	63	62
3541	Machine tools, metal cutting types	8	20	21	22
3551	Food product machinery	(x)	20	21	26
3552	Textile machinery	37	34	36	36
3554	Paper industries machinery	13	20	18	19
3636	Sewing machines and parts	50	42	39	51
3651	Radio and TV receiving sets	35	42	42	50
3674	Solid state semiconductor devices	12	26	26	25
3675; 36291	Electronic capacitors	10	18	17	17
3676	Electronic resistors	(x)	18	17	19
3711	Motor vehicles and bodies	16	20	26	27
3751	Motorcycles, bicycles, and parts	65	19	32	32
3851	Opthalmic goods	12	21	22	22
3873	Watches, clocks, and watch cases	21	40	45	49
3911; 39151	Jewelry, precious metals, and jewelers' findings	5	21	15	18
3931	Musical instruments and parts	15	17	14	18
3942	Dolls and stuffed toy animals	22	42	47	48
3944	Games, toys, and children's vehicles	11	22	23	24
3949	Sporting and athletic goods, n.e.c	13	20	19	18
3961	Costume jewelry	10	19	20	20
3962	Artificial flowers	42	35	46	45

X Not applicable. [1] Standard Industrial Classification Code; see text, p. 761.

Source: U.S. Bureau of the Census, *U.S. Commodity Exports and Imports as Related to Output 1981 and 1980;* and earlier report.

No. 1387. Fuels and Electric Energy Used in Manufacturing Industries: 1958 to 1981

[Btu = British thermal unit. For definition of Btu, see headnote, table 976]

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	2,263	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. 1388. 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	282.4	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. Bureau of Industrial Economics, *Industrial Economics Review*, Summer 1980.

No. 1389. 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 1366. [2] Includes central administrative offices and auxiliaries. [3] See footnote 7, table 1366.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing*, MC77-SR-9.

No. 1390. 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 added by manufacture in 1972 of $2 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification Manual* (SIC), see text, p. 762. 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
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
2711	Newspapers	1972	7,461	6,220	8,263	17	28	43	60
		1977	7,821	9,519	13,056	19	31	45	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
2834	Pharmaceutical preparations	1972	680	5,640	7,150	26	44	75	91
		1977	655	8,214	11,459	24	43	73	91
3721	Aircraft	1972	141	5,083	8,779	66	86	99	99+
		1977	151	8,134	14,834	59	81	99	99+
2911	Petroleum refining	1972	152	4,595	25,921	31	56	84	95
		1977	192	14,424	91,689	30	53	81	94
3861	Photographic equipment and supplies	1972	555	4,088	5,624	74	85	92	95
		1977	702	6,732	9,945	72	86	90	94
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
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
3573	Electronic computing equipment	1972	518	3,419	6,471	51	63	78	90
		1977	808	7,624	12,924	44	55	71	85
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
3531	Construction machinery	1972	644	3,131	6,091	43	54	72	86
		1977	807	5,744	12,629	47	59	75	86
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+
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
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)
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
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
2844	Toilet preparations	1972	593	2,834	4,053	38	53	74	91
		1977	644	4,527	6,557	40	56	74	90
3465	Automotive stampings	1972	388	2,664	5,286	69	72	79	87
		1977	495	4,655	9,739	65	70	77	84
3661	Telephone, telegraph apparatus	1972	157	2,650	4,525	(D)	(D)	98	99+
		1977	208	4,192	7,858	(D)	89	94	98
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
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
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
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
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)
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
2721	Periodicals	1972	2,451	2,110	3,511	26	38	54	69
		1977	2,860	3,763	6,057	22	35	52	67
2824	Organic fibers, noncellulosic	1972	36	2,040	3,639	74	91	99+	100
		1977	37	2,804	6,380	78	90	99	100
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
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 1366. [2] See footnote 7, table 1366. [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. 1391. Beverage Industry—Summary: 1965 to 1981

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1965: Employees	1,000	210	60	2	6	19	114	9
Payroll	Mil. dol	1,348	488	16	42	126	614	63
Value added by manufacture	Mil. dol	4,152	1,360	51	167	713	1,373	488
Value of shipments	Mil. dol	7,728	2,497	204	396	1,288	2,505	837
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	1,850	191
Value added by manufacture	Mil. dol	13,708	3,639	162	811	1,849	5,348	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

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures.*

No. 1392. Alcoholic Beverages—Summary: 1960 to 1982

[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	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982
Beer: Breweries operated	Number	229	197	154	117	95	89	86	86	92	82
Production	Mil. bbl.[1]	95	108	135	158	170	176	184	193	195	194
Imports (incl. ale, etc.)[2]	Mil. bbl.[1]	(NA)	(NA)	(NA)	1.7	2.6	3.1	4.1	4.8	5.2	5.8
Value of shipments (SIC 2082)[3]	Mil. dol	(NA)	2,470	3,822	5,641	6,653	7,539	8,353	9,362	10,179	(NA)
Tax-paid withdrawals	Mil. bbl.[1]	89	100	123	147	156	160	167	172	177	176
Stocks on hand, June 30	Mil. bbl.[1]	11	13	15	14	14	14	14	15	14	14
Per capita consumption[4]	Gallons	24.0	25.5	28.6	32.8	32.3	33.1	34.0	34.9	35.6	35.7
Of domestic output	Gallons	23.9	25.3	28.4	32.4	31.8	32.4	33.1	34.0	34.5	34.5
Distilled spirits:											
Production facilities operated	Number	178	153	140	115	96	101	135	143	114	121
Warehouses operated	Number	241	268	274	241	222	220	210	200	198	202
Production, total[5]	Mil. tax gal.[6,7]	273	276	355	278	225	268	246	236	259	219
Whisky	Mil. tax gal.[6,7]	150	118	160	50	82	71	104	87	90	96
Tax-paid withdrawals, total[8]	Mil. tax gal.[6,7]	178	205	256	295	296	321	318	330	321	309
Whisky	Mil. tax gal.[6,7]	84	90	112	137	126	136	125	42	(NA)	(NA)
Stocks on hand, June 30, total[5]	Mil. tax gal.[6,7]	932	990	1,091	836	726	670	659	696	691	654
Whisky	Mil. tax gal.[6,7]	814	841	960	780	668	611	598	566	544	540
Bottled for consumption, total	Mil. wine gal.[9]	204	244	312	357	361	390	379	392	388	371
Whisky	Mil. wine gal.[9]	147	161	192	162	166	170	166	165	162	153
Per capita[4]	Wine gal.[9]	1.87	2.13	2.61	2.49	2.67	2.78	2.70	2.90	2.84	2.80
Of domestic output	Wine gal.[9]	1.54	1.66	1.91	1.75	1.93	2.02	1.96	2.00	2.02	2.00
Still wines: Production[10]	Mil. wine gal.[9]	511	565	713	782	771	731	739	982	901	546
Tax-paid withdrawals[11]	Mil. wine gal.[9]	148	163	204	287	306	313	326	340	363	365
Stocks on hand, June 30[12]	Mil. wine gal.[9]	143	157	207	325	392	431	485	486	602	559
Per capita[4]	Wine gal.[9]	1.36	1.44	1.70	2.20	2.45	2.54	2.60	2.65	2.68	2.70
Of domestic output	Wine gal.[9]	1.26	1.32	1.52	1.96	2.35	2.01	2.02	2.02	2.02	2.03
Effervescent wines:[13]											
Production	Mil. wine gal.[9]	4.1	6.4	20.0	18.0	21.2	23.8	24.4	26.8	31.2	30.4
Tax-paid withdrawals	Mil. wine gal.[9]	3.3	5.7	17.1	17.6	20.3	21.2	22.1	24.1	27.0	26.4
Stocks on hand, June 30	Mil. wine gal.[9]	2.7	3.6	8.1	9.0	10.4	11.4	12.1	11.9	14.4	16.5
Per capita[4]	Wine gal.[9]	.04	.06	.15	.13	.16	.15	.15	.17	.19	.20
Of domestic output	Wine gal.[9]	.03	.05	.13	.12	.14	.13	.12	.12	.14	.15

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 *Annual Survey of Manufactures.* [4] Source: U.S. Dept. of Commerce, Bureau of Industrial Economics. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [5] Excludes alcohol produced for industrial use. [6] 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 7 and 9.) [7] A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. [8] Includes ethyl alcohol. [9] A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. [10] 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. [11] Includes special natural wines. [12] Excludes distilling materials. [13] 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. 1393. Tobacco Manufactures Industry—Summary: 1963 to 1981

[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				
1963 Census	394	231	77.3	330.5	68.6	132.0	271.5	1,680.6	2,836.5	4,520.0	53.8
1964 ASM	(NA)	(NA)	78.8	352.9	70.2	138.3	290.7	1,772.1	2,883.0	4,651.7	58.8
1965 ASM	(NA)	(NA)	74.6	349.4	66.2	124.9	284.9	1,765.7	2,883.5	4,648.3	59.2
1966 ASM	(NA)	(NA)	72.4	356.2	64.1	122.3	289.4	1,872.0	2,908.8	4,772.7	58.2
1967 Census	329	195	75.1	376.9	66.1	125.5	303.6	2,032.0	2,871.4	4,903.6	53.0
1968 ASM	(NA)	(NA)	73.9	396.1	65.2	120.6	323.0	2,140.7	2,800.0	4,937.2	50.4
1969 ASM	(NA)	(NA)	72.2	411.3	63.2	117.3	328.5	2,221.0	2,766.4	4,992.2	60.6
1970 ASM	(NA)	(NA)	71.4	447.8	62.7	118.5	361.5	2,489.4	2,859.2	5,349.9	55.9
1971 ASM	(NA)	(NA)	67.1	470.5	58.5	109.2	376.3	2,559.9	2,973.0	5,527.9	94.4
1972 Census	272	154	66.3	502.1	57.4	106.8	400.9	2,637.2	3,281.1	5,920.2	133.2
1973 ASM	(NA)	(NA)	68.5	557.3	59.2	110.5	440.2	2,900.1	3,446.6	6,340.7	180.4
1974 ASM	(NA)	(NA)	67.4	604.4	58.0	106.6	476.6	3,179.1	3,966.0	7,139.0	185.4
1975 ASM	(NA)	(NA)	66.2	654.6	56.3	104.2	513.0	3,722.0	4,395.8	8,113.4	148.4
1976 ASM	(NA)	(NA)	66.2	654.6	56.3	104.2	513.0	3,721.6	4,342.3	8,059.9	144.9
1977 Census	228	123	60.6	750.7	50.4	92.6	570.7	4,334.1	4,729.8	9,050.6	181.5
1978 ASM	(NA)	(NA)	59.1	812.5	49.1	92.2	611.8	4,606.7	5,374.7	9,950.7	253.9
1979 ASM	(NA)	(NA)	58.6	906.0	47.7	90.1	667.9	5,342.7	5,240.1	10,601.3	237.2
1980 ASM	(NA)	(NA)	58.0	1,044.8	46.6	88.1	767.4	6,147.6	6,090.9	12,194.6	367.3
1981 ASM	(NA)	(NA)	61.1	1,219.2	49.1	91.5	891.4	6,429.6	6,690.8	13,129.9	726.2

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977,* vol. I and *Annual Survey of Manufactures.*

No. 1394. Tobacco Products—Production and Consumption: 1960 to 1982

[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	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Production:													
Cigarettes [1]	Billions	506	562	562	652	627	688	673	688	707	702	744	711
Cigars [1]	Billions	6.9	8.9	8.0	8.7	8.3	6.7	5.8	5.6	5.1	4.9	5.0	4.5
Tobacco [2]	Mil. lb	176	169	164	152	155	153	155	156	156	163	160	165
Per capita consumption: [3]													
All products	Lb.[4]	11.8	11.5	9.6	9.4	9.1	8.7	8.5	8.1	8.3	8.0	7.6	7.5
Cigarettes	1,000	4.2	4.3	4.0	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.7
Weight	Lb.[4]	9.64	9.37	7.78	7.90	7.73	7.35	7.21	6.89	6.97	6.87	6.53	6.48
Cigars [5]	Number	61	70	60	44	39	36	33	30	27	25	23	22
Weight	Lb.[4]	1.18	1.24	1.00	.70	.63	.57	.54	.50	.44	.41	.39	.35
Tobacco [2]	Lb.[4]	.99	.88	.83	.75	.72	.73	.70	.68	.69	.69	.64	.66

[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. 1395. Mill Consumption of Natural Fibers: 1960 to 1982

[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 [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
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
Wool, total [3]	411	387	240	94	110	122	108	115	117	123	139	115
Per capita (lb.)	2.3	2.0	1.2	.4	.5	.6	.5	.5	.5	.5	.6	.5
Flax, total	5	8	6	7	3	4	3	4	5	2	4	8
Silk, total	7	6	2	3	1	3	2	2	2	1	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 1983.

No. 1396. Man-Made Fiber Distribution: 1960 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	1960	1965	1970	1975	1977	1978	1979	1980	1981
Rayon and acetate:									
Producers' shipments [1]	1,020.7	1,496.9	1,376.2	807.1	867.9	927.9	924.7	808.1	768.4
Rayon	716.2	1,045.6	851.0	448.3	513.0	522.2	497.4	438.2	443.5
Acetate	277.6	420.8	479.1	305.7	267.4	281.6	295.4	276.2	230.3
Domestic consumption	1,055.4	1,550.4	1,414.4	801.1	861.7	870.6	822.6	733.0	701.3
Per capita (lb.)	5.8	8.0	6.9	3.7	3.9	3.9	3.7	3.2	3.3
Exports	26.9	30.5	46.1	53.1	87.5	124.1	131.9	93.7	94.6
Imports	61.6	84.0	84.3	47.1	81.3	66.8	29.8	18.6	27.5
Non-cellulosic:									
Producers' shipments [1 2]	667.3	1,711.1	3,555.6	6,082.7	7,263.5	7,756.3	8,423.6	8,006.1	7,913.9
Nylon	375.5	867.0	1,253.8	1,847.6	2,187.9	2,415.5	2,544.5	2,250.1	2,100.7
Polyester	[3] 101.6	[3] 367.6	1,425.9	2,950.6	3,390.9	3,475.1	3,659.5	3,434.4	3,435.4
Olefin	13.2	60.1	187.0	436.1	539.6	579.7	624.2	611.7	628.3
Acrylic	116.0	324.5	430.7	467.3	619.8	571.6	546.6	585.3	494.1
Domestic consumption [2]	613.4	1,693.3	3,543.2	5,877.3	6,979.9	7,260.1	7,570.4	7,069.7	6,890.4
Per capita (lb.)	3.4	8.7	17.3	27.2	31.7	32.6	33.6	31.0	33.4
Exports	58.5	78.4	190.9	314.4	429.0	608.9	912.5	991.6	1,102.9
Imports	4.6	60.6	178.5	109.0	145.4	112.7	59.3	55.2	79.4
Producers' waste shipments:									
Rayon	33.3	51.5	34.5	13.2	18.5	15.7	17.2	13.5	15.3
Non-cellulosic	29.9	55.2	136.3	228.7	291.0	263.9	238.6	170.2	193.2

[1] Domestic consumption plus exports minus imports. [2] Includes other items not shown separately. [3] Includes other yarns, chiefly saran and spandex.

Source: Textile Economics Bureau, Inc., Roseland, N.J., *Textile Organon*, monthly. (Copyright.)

No. 1397. Wool—Production, Price, and Supply: 1960 to 1982

[In millions of pounds, except as indicated. For 1960 and for wool consumed in manufacturing, excludes Alaska and Hawaii. 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	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982 [1]
Stocks of all wool, Jan. 1 [2]	151	103	102	53	42	42	49	47	51	45
Sheep and lambs shorn (mil.)	31	24	19	14	13	13	13	13	14	13
Weight per fleece (lb.)	8.5	8.5	8.4	8.3	8.1	8.1	8.0	8.0	8.1	8.0
Shorn wool production (grease basis)	265	201	162	120	107	103	105	105	110	105
Price per pound [3] (cents)	42.0	47.1	35.4	44.7	72.0	74.5	86.3	88.1	94.5	68.4
Total wool production (grease basis)	299	225	177	125	110	104	106	107	111	106
Wool, clean basis: Total production	151	113	88	67	58	55	56	56	59	56
Imports of dutiable wool [4]	74	163	80	17	34	27	20	30	48	40
Imports of duty free wool [4]	154	109	73	17	19	23	22	26	26	21
Total new supply [5]	530	488	343	154	150	164	164	174	184	162
Consumed in manufacturing [6]	411	387	240	110	108	115	117	123	139	115

[1] Preliminary. [2] Scoured basis. [3] Weighted season average price received by farmers. 1960, April-March marketing season; thereafter, calendar year. [4] Imports for consumption. [5] Production, imports, and stock of wool Jan. 1. [6] Scoured wool, plus greasy wool reduced to scoured basis.

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. 1398. Hosiery—Production, by Type: 1960 to 1982

[In millions of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
All types	**154.9**	**198.2**	**244.1**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.2**	**310.1**	**281.8**
Women's	65.0	92.7	125.7	88.7	97.7	113.8	110.6	110.9	141.7	139.6	151.7	147.7
Infants' and children's [1]	17.8	18.8	20.6	22.1	22.0	27.7	28.4	29.8	32.2	28.8	31.2	25.8
Girls', boys', and women's [2]	20.8	35.2	33.6	41.4	41.9	46.4	49.0	46.7	48.4	48.8	58.8	46.3
Men's (sizes 10 and up)	51.2	51.6	64.2	64.2	63.2	66.0	69.3	76.4	72.2	63.1	68.4	62.0

[1] Sizes 3-8½. Includes knee-highs. [2] Sizes 8-11. Includes foot socks not shown separately.

Source: National Association of Hosiery Manufacturers, Charlotte, N.C., *Hosiery Statistics*, annual. (Copyright.)

No. 1399. U.S. Imports and Exports of Textiles and Apparel Products: 1965 to 1982

[In millions of dollars. Excludes glassfibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (–) indicates deficit]

ITEM	1965	1970	1975	1977	1978	1979	1980	1981	1982
Exports	**613**	**733**	**1,873**	**2,381**	**2,624**	**3,801**	**4,458**	**4,520**	**3,419**
Textile mill products	510	578	1,533	1,857	2,073	3,029	3,457	3,473	2,634
Yarn and thread	119	133	271	376	330	590	642	813	626
Cotton broad woven fabric	108	112	376	438	426	626	546	335	238
Other broad woven and knit fabric	135	151	387	399	433	678	809	825	553
Narrow fabric	21	15	32	39	84	95	106	129	117
Special fabric	64	89	194	252	406	504	709	694	554
Made-up articles	52	53	185	242	252	329	318	332	253
Textile floor coverings	11	25	88	109	143	207	327	345	293
Apparel	103	155	341	524	551	772	1,001	1,047	785
Imports	**1,280**	**2,275**	**3,530**	**5,415**	**7,045**	**7,229**	**8,139**	**9,728**	**10,090**
Textile mill products	789	1,124	1,197	1,746	2,117	2,119	2,372	2,911	2,703
Yarn and thread	61	212	114	216	237	147	168	207	229
Cotton broad woven fabric	137	173	219	351	427	380	433	607	484
Other broad woven and knit fabric	421	498	433	582	754	729	784	983	900
Narrow fabric	16	21	20	29	39	46	43	56	62
Special fabric	69	92	215	224	207	263	299	292	278
Made-up articles	35	66	98	179	253	294	362	460	473
Textile floor coverings	50	62	98	165	200	260	283	306	277
Apparel	483	1,151	2,333	3,669	4,928	5,110	5,767	6,817	7,387
Trade balance	**–667**	**–1,542**	**–1,657**	**–3,033**	**–4,420**	**–3,428**	**–3,681**	**–5,208**	**–6,671**

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. 1400. Male and Female Clothing—Production: 1960 to 1981

[See also *Historical Statistics, Colonial Times to 1970,* series P 242 and 243]

ITEM	Unit	1960	1965	1970	1974	1975	1977	1978	1979	1980	1981
MALE CLOTHING											
Men's suits [1]	Mil. units	21.3	21.9	17.7	16.8	13.7	17.3	17.5	17.0	14.6	13.9
Boys' suits [2]	Mil. units	5.1	6.6	4.7	2.9	2.5	3.6	4.7	4.5	3.4	4.0
Separate trousers (men's)	Mil. units	100.3	142.3	173.6	156.6	118.9	128.8	122.7	125.6	125.1	122.0
Separate coats [3]	Mil. units	14.2	16.3	16.1	21.1	13.1	17.8	16.1	18.3	17.9	18.4
Woven shirts, men's [4]	Mil. doz.	23.2	28.2	20.8	20.4	17.4	18.2	15.0	14.9	13.1	13.4
Casual slacks	Mil. units	(NA)	(NA)	123.6	207.6	153.3	287.5	99.5	87.2	89.0	70.9
Jeans	Mil. units							191.0	225.5	242.7	215.2
Work shirts (incl. flannels)	Mil. doz.	3.8	4.0	4.1	3.4	2.9	4.0	3.8	3.8	3.6	3.3
FEMALE CLOTHING											
Blouses	Mil. doz.	15.6	19.0	13.3	17.2	18.3	24.7	25.6	27.5	25.6	27.1
Dresses	Mil. units	253	281	251	190	174	193	190	183	175.7	165.3
Suits [5]	Mil. units	9.4	11.9	8.8	7.8	9.0	36.5	32.1	24.9	17.6	14.2
Slacks	Mil. doz.	3.6	7.1	9.4	18.6	18.3	18.6	12.4	18.6	18.4	20.6
Jeans	Mil. doz.							4.4	5.5	5.7	7.4
Skirts	Mil. doz.	8.3	8.9	6.9	4.4	4.3	5.4	5.8	5.6	5.8	8.1
Untrimmed coats	Mil. units	21.0	19.1	17.0	20.5	18.4	19.0	18.9	18.4	17.0	15.0
Fur-trimmed coats	Mil. units	2.5	6.1	4.7							
Knit outerwear: Sweaters	Mil. doz.	6.4	7.3	5.3	6.3	6.6	6.6	5.9	4.9	4.1	6.9
Sport shirts	Mil. doz.	2.3	3.4	4.0	7.4	7.8	11.7	11.0	10.7	10.0	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. 1401. 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, prel.	1982, prel.
Apparent consumption	**623.4**	**711.3**	**801.7**	**727.9**	**786.3**	**745.7**	**787.7**	**832.9**	**734.5**	**738.1**	**822.1**
Production, shoes and slippers	600.0	626.2	562.3	413.1	422.5	391.1	418.9	398.4	386.3	380.4	331.4
Percent exported	.5	.4	.4	1.1	1.4	1.3	1.7	2.3	2.4	2.5	2.7
Value (bil. dol.)	2.2	2.5	2.9	3.1	3.5	[1] 3.7	3.8	4.3	4.6	4.8	4.2
Shoes, sandals, playshoes (production) [2]	521.0	533.2	460.8	339.1	355.5	332.0	335.6	320.6	313.4	305.7	263.7
Men's, youths', boys'	124.7	143.8	143.5	121.2	128.1	116.8	116.8	103.8	102.0	99.1	76.1
Women's	279.8	280.0	230.2	154.1	155.9	145.0	145.4	145.9	143.0	138.0	123.9
Misses'	40.2	36.5	23.2	13.1	15.6	13.2	13.1	13.7	11.3	10.2	10.1
Children's	32.7	33.5	25.9	18.5	21.0	18.3	16.2	13.9	14.7	13.9	13.0
Infants' and babies'	36.6	32.5	29.0	24.2	24.9	22.7	23.2	22.8	23.6	23.9	18.9
Athletic shoes	7.0	7.0	9.0	7.9	10.1	16.0	20.9	20.5	15.0	16.0	16.6
Imports	26.6	87.6	241.5	319.4	369.8	360.0	375.7	443.6	361.0	369.0	479.5
Percent of total consumption	4.3	12.3	30.1	43.9	47.0	48.3	47.7	53.3	50.3	50.0	58.3

[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. 1402. Chemicals and Allied Products—Value of Shipments: 1970 to 1981

[In millions of dollars. "N.e.c." means not elsewhere classified]

PRODUCT	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981
Alkalies and chlorine	666	806	1,232	1,673	1,866	1,786	1,746	1,864	2,078	2,480
Industrial gases	664	659	793	906	1,049	1,199	1,408	1,520	1,563	1,905
Cyclic crudes and intermediates	2,014	2,332	4,141	4,202	5,231	5,514	5,515	7,388	7,732	8,570
Inorganic pigments	683	756	1,196	964	1,267	1,339	1,381	1,585	1,601	1,821
Industrial organic chemicals, n.e.c.[1]	6,470	7,466	12,743	14,098	16,794	19,378	21,214	25,083	27,019	31,261
Misc. end-use chems. and chem. prods. exc. urea						2,071	1,851	2,503	2,911	3,154
Misc. cyclic and acyclic chemicals and chemical products	4,897	5,900	9,828	10,901	12,977	13,425	14,915	17,575	19,402	23,239
Industrial inorganic chemicals, n.e.c.[2]	4,109	3,003	4,609	4,675	5,751	6,920	7,977	9,294	10,327	10,090
Potassium and sodium compounds	543	503	900	910	1,074	1,103	1,206	1,275	1,375	1,552
Plastics materials and resins	4,562	4,486	8,444	7,747	10,455	12,181	13,783	16,964	18,014	20,172
Synthetic rubber (vulcanizable elastomers)	1,114	1,289	1,862	1,820	2,204	2,354	2,826	3,228	3,248	3,462
Cellulosic manmade fibers	665	685	898	781	814	851	945	1,086	1,156	1,231
Organic fibers, noncellulosic	2,468	2,949	3,867	4,035	4,414	5,472	5,912	6,719	7,147	8,139
Biological products	351	495	684	788	874	1,068	1,216	1,421	1,599	1,857
Medicinals and botanicals	747	794	1,467	1,489	1,774	2,206	2,406	2,906	3,158	3,397
Pharmaceutical preparations	5,264	6,295	7,463	8,247	9,217	9,640	10,711	11,539	13,012	14,623
Soaps and detergents	2,509	2,852	3,500	3,963	4,490	5,000	5,551	6,107	7,081	7,914
Polishes and sanitation goods	1,306	1,736	1,980	2,196	2,432	2,669	3,029	3,112	3,359	3,634
Specialty cleaning and sanitation products	755	899	1,071	1,197	1,316	1,478	1,625	1,880	2,089	2,172
Toilet preparations[1]	3,770	4,247	4,797	5,178	5,883	6,394	6,792	7,510	8,209	9,248
Hair preparations (incl. shampoos)	1,034	1,065	1,129	1,306	1,408	1,475	1,466	1,719	2,003	2,123
Perfumes, toilet water, colognes	536	677	755	918	1,007	1,097	1,250	1,438	1,468	1,651
Dentifrices, mouthwashes, gargles, etc.	468	485	535	536	628	660	733	848	866	1,142
Paints and allied products	3,019	3,520	4,578	4,672	5,415	6,123	6,671	7,403	7,682	8,591
Fertilizers[2]	1,394	2,642	5,203	6,588	6,026	6,845	6,931	7,985	9,981	9,897
Adhesives and sealants[3]	580	954	1,404	1,464	1,655	1,873	2,075	2,366	2,426	2,745
Explosives	213	238	369	450	426	426	456	592	646	659
Printing ink	389	498	623	698	765	904	990	1,100	1,235	1,376

[1] Includes products not shown separately. [2] Beginning 1972, synthetic ammonia, nitric acid, and ammonium compounds included in fertilizers. [3] Beginning 1972, excludes gelatin.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972,* and *1977,* and *Annual Survey of Manufactures.*

No. 1403. Chemicals—Production, by Kind: 1980 and 1981

[**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	1980	1981
Acetylene[1] (mil. cu. ft.)	5,493	5,161
Aluminum chloride:		
Anhydrous (100% $AlCl_3$)	74	(D)
Liquid and crystal (32° Bé)	21	(D)
Aluminum sulfate (17% Al_2O_3)[2] (commercial)	1,286	1,294
Iron free	116	90
Ammonia, synthetic anhydrous	19,653	19,076
Ammonium nitrate, original solution (100% NH_4NO_3)	9,127	8,936
Ammonium sulfate, synthetic (technical)[3]	2,136	2,194
Argon, refined (mil. cu. ft.)	7,895	8,039
Calcium carbide (commercial)	261	279
Calcium phosphate dibasic (100% $CaHPO_4$)	863	785
Carbon, activated[4]	81	85
Carbon dioxide (liquid, gas, and solid)[5]	3,472	3,725
Chlorine, gas[5]	11,421	10,767
Chrome, yellow and orange (C.P.)	28	28
Chrome orange, molybdate (C.P.)	10	10
Hydrochloric acid (100% HCl)	12,888	2,502
Hydrofluoric acid, anhydrous and aqueous (100% HF)	213	179
Hydrogen[7] (bil. cu. ft.)	107	103
Hydrogen peroxide (100% by weight)	116	111
Nitric acid (100% HNO_3)	9,232	9,077
Nitrogen (100%) (bil. cu. ft.)	479	490
Nitrogen solutions (100% N) (bil. cu. ft.)	2,773	3,177
Oxygen (bil. cu. ft.)	431	431
Phosphoric acid (100% P_2O_5)	10,848	9,922
Phosphorus (white and red)	432	426
Potassium hydroxide (88-92% KOH)	245	238
Potassium pyrophosphate (100% $K_4P_2O_7$)	24	19
Sodium bichromate and chromate	154	153
Sodium chlorate (100% $NaClO_3$)	313	302
Sodium hydroxide (caustic soda) (100% NaOH)	11,625	10,414
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous)[8]	805	788
Sodium sulfate:		
High purity (more than 99% Na_2SO_4)	464	411
Glauber's salt (100% $Na_2SO_4 \cdot 10H_2O$)	676	666
Sulfuric acid gross[9] (mil. sh. tons)	44	41
Titanium dioxide[10] (100% TiO_2)	727	761

D Withheld to avoid disclosing individual company data. [1] Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. [2] 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. [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, compiled from manufacturers reports and published in *Current Industrial Reports,* series MA28A, MA28B, and MA28C.

No. 1404. Petroleum and Coal Products—Value of Shipments and Inventories: 1963 to 1981

[In millions of dollars. See also table 1284]

ITEM AND PRODUCT	1963	1967	1972	1975	1977	1978	1979	1980	1981
Shipments, total	**16,864**	**20,821**	**27,349**	**66,456**	**93,947**	**100,349**	**140,887**	**190,414**	**216,383**
Petroleum refining [1]	15,558	19,249	24,773	62,481	88,590	93,745	133,359	182,100	207,555
Gasoline	7,978	9,844	13,030	31,502	41,840	45,529	62,741	90,516	101,940
Jet fuel	633	1,100	1,372	3,702	5,359	5,720	8,383	13,152	14,802
Kerosene	375	431	372	791	893	797	1,306	1,483	1,704
Light fuel oil	2,896	3,306	4,408	11,298	17,509	17,664	25,632	32,241	37,436
Heavy oil	622	566	1,107	4,626	6,794	6,600	9,038	12,012	14,228
Liquefied refinery gases	703	1,136	1,153	2,910	4,501	4,823	7,860	9,682	11,555
Lubricating oils and greases	785	884	895	1,443	1,719	1,847	2,624	3,339	3,841
Unfinished oils and lubricating oils base stock	526	613	734	1,613	2,888	3,133	5,312	7,199	6,992
Asphalt	361	424	672	1,541	2,217	2,131	2,626	3,140	3,317
Other petroleum products, and refinery products	681	945	1,031	3,056	4,870	5,501	7,837	9,337	11,738
Paving mixtures and blocks	403	530	893	1,203	1,519	1,931	1,963	2,313	2,278
Asphalt felts and coatings	408	519	902	1,463	1,829	2,387	2,699	2,731	2,764
Lubricating oils and greases not made in refining	426	443	642	1,059	1,514	1,787	2,271	2,530	2,897
Other	69	80	139	253	495	499	595	740	889
Inventories, total [2]	**1,818**	**2,030**	**2,223**	**4,751**	**5,656**	**5,498**	**7,653**	**9,880**	**10,563**
Petroleum refining	1,696	1,904	2,002	4,395	5,196	4,963	7,074	9,179	9,686

[1] Petroleum refining by product class. [2] 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, and *Annual Survey of Manufactures*.

No. 1405. Rubber—New Supply, Distribution, and Stocks: 1960 to 1981

[In thousands of long tons. 1960 excludes Alaska and Hawaii, except for imports and exports, which also include Puerto Rico. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1965, also includes polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
New supply	**2,150**	**2,581**	**3,042**	**3,547**	**3,285**	**2,826**	**3,332**	**3,557**	**3,772**	**3,816**	**3,114**	**3,150**
Domestic production [1]	1,729	2,094	2,398	2,768	2,492	2,077	2,496	2,600	2,830	2,889	2,302	2,316
Synthetic	1,436	1,813	2,197	2,566	2,358	1,958	2,387	2,481	2,705	2,764	2,215	2,234
Imports [2]	420	487	644	779	793	749	836	957	943	927	812	834
Natural	411	445	550	643	682	658	714	793	771	769	618	675
Distribution	**2,203**	**2,657**	**3,001**	**3,584**	**3,344**	**2,956**	**3,222**	**3,618**	**3,773**	**3,846**	(3)	(3)
Domestic consumption [2]	1,835	2,326	2,677	3,268	3,039	2,706	2,919	3,343	3,471	3,409	(3)	(3)
Synthetic	1,079	1,540	1,918	2,402	2,175	1,933	2,138	2,433	2,559	2,541	(3)	(3)
Exports [2]	368	331	324	316	305	250	303	275	302	437	487	412
Synthetic	342	282	299	295	284	226	281	252	284	416	465	398
Stocks, end of year [1]	**359**	**442**	**645**	**629**	**644**	**528**	**642**	**582**	**606**	**370**	**293**	**311**

[1] Includes reclaimed and synthetic. [2] Natural, synthetic and reclaimed. [3] Series discontinued as of 1980.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

No. 1406. Selected Plastics Products—Value of Shipments: 1975 to 1981

[In millions of dollars. Excludes all products specifically classified in other industries such as converted flexible packaging, boats, toys, sporting goods, luggage, etc., and captive production of plastics by companies who ship products other than those classified in SIC Industry 3079]

PRODUCT	1975	1978	1979	1980	1981, prel.
Selected plastics products	**15,533**	**27,165**	**29,348**	**30,245**	**34,218**
Unsupported plastics film sheets, sheeting, rods, tubes, and other	2,701	4,590	5,051	5,158	5,599
Laminated sheets, rods, and tubes	801	1,305	1,542	1,561	1,524
Building and construction plastics products	1,339	3,006	3,120	3,286	3,264
Regenerated cellulosic prod., exc. rayon	473	357	309	311	432
Custom compounded purchased resins	352	868	1,154	1,177	1,298
Furniture components and furnishings	543	1,127	1,214	1,287	1,439
Packaging	2,051	3,063	3,729	4,304	5,129
Transportation	1,182	2,598	2,542	1,832	2,134
Electrical and electronic	603	1,519	1,578	1,643	1,899
Consumer, institutional, and commercial fabricated plastics products	3,961	3,540	3,507	3,865	4,572

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30D.

No. 1407. Iron and Steel Industry—Summary: 1960 to 1982

[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	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982
Steel mill products, apparent supply	Mil. tons [1]	71.5	100.6	97.1	89.0	108.4	116.6	115.0	95.2	105.4	76.4
Net shipments	Mil. tons [1]	71.1	92.7	90.8	80.0	91.1	97.9	100.3	83.9	88.5	61.6
Exports	Mil. tons [1]	3.0	2.5	7.1	3.0	2.0	2.4	2.8	4.1	2.9	1.8
Imports	Mil. tons [1]	3.4	10.4	13.4	12.0	19.3	21.1	17.5	15.5	19.9	16.7
Percent of total supply	Percent	4.7	10.3	13.8	13.5	17.8	18.1	15.2	16.3	18.9	21.8
Japan	Percent	(NA)	(NA)	(NA)	6.6	7.2	5.6	5.5	6.3	5.9	6.8
EEC [2]	Percent	(NA)	(NA)	(NA)	4.6	6.3	6.4	4.7	4.1	6.1	7.3
Canada	Percent	(NA)	(NA)	(NA)	1.1	1.7	2.0	2.0	2.5	2.7	2.4
Other	Percent	(NA)	(NA)	(NA)	1.2	2.6	4.1	3.0	3.4	4.2	5.3
Scrap consumed	Mil. tons [1]	52.1	69.8	69.3	62.8	69.3	76.3	77.2	66.6	68.3	44.5
Scrap produced	Mil. tons [1]	33.3	46.7	46.4	40.1	42.4	44.8	45.4	36.9	38.4	24.0
Scrap inventory	Mil. tons [1]	7.7	6.0	6.5	7.6	7.7	6.9	7.4	6.9	7.1	5.2
Iron and steel products:											
Exports	Mil. tons [1]	4.1	3.1	8.1	4.1	3.2	3.5	3.8	5.1	3.8	2.6
Imports	Mil. tons [1]	4.1	12.0	14.6	13.9	21.7	24.1	20.3	17.9	22.6	18.8
Revenues	Bil. dol.	14.2	18.0	19.3	33.7	39.7	49.5	55.7	53.8	61.5	53.4
Net income	Bil. dol.	.8	1.1	.5	1.6	(z)	1.2	1.2	1.7	2.6	—3.2
Stockholders' equity [3]	Bil. dol.	10.5	12.0	13.0	16.2	18.0	17.6	17.7	18.1	19.5	21.4
Total assets	Bil. dol.	15.9	18.8	23.6	30.4	35.4	38.4	40.2	43.7	47.1	49.7
Net fixed assets	Bil. dol.	8.8	10.0	14.1	16.9	19.7	20.3	21.3	22.4	22.9	29.8
Capital expenditures	Bil. dol.	1.5	1.8	1.7	3.2	2.9	2.5	3.3	3.4	3.4	4.2
Working capital ratio [4]	Ratio	2.6	2.4	1.9	2.0	1.8	1.8	1.7	1.7	1.8	1.5
Inventories	Bil. dol.	3.0	3.2	1.1	5.4	5.9	6.5	6.9	6.8	8.0	8.1
Average employment	1,000	572	584	531	457	452	449	453	399	391	289
Hours worked	Million	1,087	1,421	1,220	855	876	892	894	758	753	526
Index of output all employees [5]	1977=100	71	87	88	93	100	108	107	103	112	91
Producer price indexes: [6]											
Iron and steel, total	1967=100	97.1	97.9	115.1	200.9	230.4	253.6	285.5	305.2	333.8	339.0
Steel mill products	1967=100	96.4	97.5	114.2	197.2	229.9	254.5	280.4	302.7	337.6	349.5
Finished	1967=100	96.3	97.5	114.2	196.6	229.0	253.5	279.5	301.2	336.2	(NA)
Semifinished	1967=100	97.1	98.3	112.2	206.7	243.6	270.5	294.3	325.6	359.3	370.2
Pig iron and ferroalloys	1967=100	120.4	100.3	114.8	264.7	257.1	260.0	296.7	307.4	316.2	316.6
Iron ore	1967=100	108.0	100.7	100.1	154.3	186.1	194.9	216.7	244.8	268.4	278.7
Scrap, iron and steel	1967=100	110.2	112.6	138.8	245.6	231.2	264.6	341.9	328.1	327.4	232.9
Foundry and forge shop products	1967=100	92.0	94.6	112.1	194.3	230.5	249.5	277.1	310.0	329.8	345.5

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] 1960 to 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, D.C., *Annual Statistical Report*. (Copyright.)

No. 1408. Raw Steel, Pig Iron and Ferroalloys Production: 1960 to 1982

[In millions, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982
Raw Steel (net tons)												
World production	379.7	503.1	654.2	782.8	712.0	745.6	741.8	790.6	824.5	790.4	779.4	[1] 711.3
U.S. production	99.3	131.5	131.5	145.7	116.6	128.0	125.3	137.0	136.3	111.8	120.8	74.6
Percent of world	26.0	26.2	20.1	18.6	16.4	17.2	16.9	17.3	16.5	14.2	15.5	10.5
Basic oxygen process	3.3	22.9	63.3	81.6	71.8	79.9	77.4	83.5	83.3	67.6	73.2	45.3
Electric	8.4	13.8	20.2	28.7	22.7	24.6	27.9	32.2	33.9	31.2	34.1	23.2
Open hearth [2]	87.6	94.8	48.0	35.5	22.2	23.5	20.0	21.3	19.1	13.0	13.5	6.1
Carbon	90.9	116.7	117.4	126.6	100.4	112.0	108.1	116.9	116.2	94.7	101.5	64.1
Alloy and stainless	8.4	14.8	14.1	19.1	16.3	16.0	17.2	20.1	20.1	17.1	19.3	10.5
Pig iron and ferroalloys (sh. ton)												
Total production [3]	**68.6**	**90.9**	**93.5**	**95.9**	**79.8**	**86.9**	**81.3**	**87.7**	**87.0**	**68.7**	**73.6**	**43.3**
Basic	58.3	80.4	86.4	91.2	75.9	82.9	78.2	84.5	84.0	67.0	71.2	42.6
Bessemer [4]	3.8	2.9	1.6	1.2	1.2	1.3	.4	.4	.2	–	.1	–
Foundry [5]	2.2	2.3	2.3	1.5	1.3	1.5	1.6	1.9	1.5	.7	1.2	.2
All other	4.4	5.2	3.2	2.0	1.5	1.2	1.1	.9	1.3	1.0	1.1	1.0

– Represent zero. [1] Preliminary. [2] Prior to 1970, includes Bessemer. [3] Beginning 1974, includes blast furnace ferroalloys. [4] Includes low phosphorus. [5] Includes ferrosilicon.

Source: American Iron and Steel Institute, Washington, D.C. *Annual Statistical Report*. (Copyright.)

No. 1409. Steel Products—Net Shipments, by Market Classes: 1960 to 1982

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1960	1965	1970	1975	1978	1979	1980	1981	1982
Total [1]	**71,149**	**92,666**	**90,798**	**79,957**	**97,935**	**100,262**	**83,853**	**88,450**	**61,567**
Automotive	14,610	20,123	14,475	15,214	21,253	18,621	12,124	13,154	9,288
Steel service centers, distributors	11,125	14,813	16,025	12,700	17,333	18,246	16,172	17,637	13,067
Construction, incl. maintenance	9,664	11,836	8,913	8,119	9,612	9,978	8,742	8,446	6,283
Containers, packaging, shipping	6,429	7,331	7,775	6,053	6,595	6,772	5,551	5,292	4,470
Machinery, industrial equipment, tools	3,958	5,873	5,169	5,173	5,992	5,996	4,543	4,624	2,584
Steel for converting and processing	2,928	3,932	3,443	3,255	4,612	5,058	4,117	5,058	3,222
Rail transportation	2,525	3,805	3,098	3,152	3,549	4,111	3,155	2,162	1,020
Contractors' products	3,602	5,018	4,440	3,927	3,480	3,745	3,148	3,230	2,287
Oil and gas industries	1,759	1,936	3,550	4,171	4,140	3,739	5,371	6,238	2,745
Electrical equipment	2,078	2,985	2,694	2,173	2,811	2,819	2,441	2,600	2,003
Appliances, utensils, and cutlery	1,760	2,179	2,160	1,653	2,094	2,140	1,725	1,775	1,337
Other domestic commercial equipment	1,959	2,179	1,778	1,390	1,889	2,073	1,701	1,622	1,247
Exports (reporting companies only)	2,563	2,078	5,985	1,755	1,224	2,007	2,595	1,845	832
Agricultural, incl. machinery	1,003	1,483	1,126	1,429	1,805	1,971	1,240	1,229	944
Independent forgers, n.e.c.	841	1,250	1,048	1,098	1,192	1,254	933	1,035	579
Industrial fasteners [2]	1,071	1,234	1,005	675	870	934	590	648	404
Shipbuilding and marine equipment	622	1,051	859	1,413	845	924	1,201	1,101	399
Mining, quarrying, and lumbering	288	392	497	596	508	569	454	493	254
Ordnance and other military	165	289	1,222	405	207	204	177	166	203
Aircraft and aerospace	78	94	56	69	60	60	53	37	30

[1] Total includes nonclassified shipments. [2] Bolts, nuts, rivets, and screws.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report.* (Copyright.)

No. 1410. Ferrous and Nonferrous Castings—Shipments: 1960 to 1982

[In thousands of short tons. Data are based on a sample of foundries]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Ferrous castings: [1]											
Gray iron castings [2 3 4]	11,594	15,713	13,945	13,328	15,103	16,014	16,124	15,402	11,799	11,801	8,215
Pressure pipe and fittings	1,336	1,876	1,691	1,380	1,414	1,653	1,690	1,546	1,396	1,249	1,100
Soil pipe and fittings	782	958	953	449	533	457	512	482	375	410	353
All other	9,476	12,879	11,301	11,499	13,156	13,904	13,922	13,374	10,028	10,142	6,742
Malleable iron castings [2]	821	1,136	852	770	845	815	790	715	450	422	284
For sale	467	648	521	484	518	479	455	376	206	200	118
For own use	354	488	331	286	327	336	335	339	244	222	166
Standard malleable	632	827	628	534	570	572	542	496	312	291	190
Pearlitic malleable	189	309	224	236	275	243	248	219	138	129	94
Steel castings [2 3]	1,392	1,961	1,724	2,026	1,893	1,667	1,857	2,039	1,878	1,743	1,017
Carbon	1,016	1,378	1,147	1,758	1,660	1,474	1,675	1,342	1,225	1,102	609
Alloy	376	583	577	268	233	193	182	697	653	641	408
Nonferrous castings, all types [3]	**2,201**	**3,437**	**3,033**	**2,534**	**3,157**	**3,281**	**3,327**	**3,253**	**2,432**	**2,440**	**2,015**
Copper and copper-base alloy	760	889	751	519	549	580	580	617	489	476	404
Aluminum and aluminum-base alloy	775	1,409	1,506	1,375	1,845	2,009	2,088	2,081	1,538	1,581	1,306
Zinc and zinc-base alloy	623	1,065	696	572	691	613	574	491	346	329	260
Magnesium and magnesium-base alloy	24	32	34	32	39	49	45	28	24	23	15
Lead and lead-base alloy die [5]	21	42	45	36	32	31	40	36	35	31	30

[1] 1960 excludes Alaska and Hawaii. [2] Beginning 1975, data not strictly comparable with earlier years. [3] Includes shipments "for own use." [4] Includes ductile (nodular) iron castings. [5] Excludes lead die casting for battery plates and parts.

Source: U.S. Bureau of the Census, *Current Industrial Reports,* series M33A and M33E.

No. 1411. Copper-Base Mill and Foundry Products—Shipments: 1960 to 1982

[In millions of pounds, metal weight. 1960 excludes Alaska and Hawaii]

PRODUCT	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Total	**4,298**	**6,288**	**5,640**	**6,196**	**4,639**	**5,512**	**5,980**	**6,266**	**6,707**	**5,786**	**5,987**	**4,846**
Brass mill products	1,878	2,974	2,513	2,813	2,025	2,517	2,668	2,712	2,976	2,467	2,622	2,014
Alloyed [1]	1,128	1,711	1,542	1,816	1,324	1,643	1,726	1,750	1,869	1,508	1,695	1,247
Unalloyed	750	1,263	971	997	701	873	942	962	1,107	959	927	767
Copper wire mill products [2]	1,521	2,177	2,329	2,647	2,056	2,383	2,667	2,911	3,048	2,783	2,847	2,393
Brass and bronze foundry products	862	1,075	751	667	512	547	583	580	617	489	471	405
Copper-base powder mill products	39	62	47	69	46	65	64	63	66	47	47	34

[1] Excludes webbing scrap (military ammunition cups and discs). [2] Copper content.

Source: U.S. Bureau of the Census and U.S. Bureau of Industrial Economics, *Current Industrial Reports,* series ITA-9008, annual.

No. 1412. Aluminum and Magnesium Mill Products—Net Shipments: 1960 to 1982

[In millions of pounds. 1960 excludes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

PRODUCT	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Aluminum mill products	**3,049**	**5,692**	**7,358**	**7,427**	**9,706**	**10,442**	**11,346**	**11,241**	**10,485**	**10,329**	**9,116**
Plate, sheet, and foil	1,637	3,019	4,247	4,664	6,346	6,846	7,285	7,205	6,692	6,629	6,060
Extruded shapes and tubing	937	1,719	1,823	1,643	2,141	2,396	2,509	2,426	2,329	2,104	1,961
Rolled structural shapes, rod, bar [1]	392	800	963	924	985	959	1,280	1,337	1,213	1,150	862
Powder, flake and paste	33	59	205	99	132	121	136	126	117	103	80
Forgings and impacts	50	95	120	97	100	121	136	147	134	139	[2] 152
Magnesium mill products	**21**	**32**	**31**	**26**	**27**	**32**	**40**	**44**	**35**	**33**	**35**

[1] Includes wire. [2] Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2 and MA33G.

No. 1413. Machine Tool Orders and Shipments: 1960 to 1982

[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 back-log, end of period	New orders (net)		Shipments		Order back-log, 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	585	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	1,961	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

Source: National Machine Tool Builders Association; data published in U.S. Bureau of Economic Analysis, *Business Statistics, 1979*, for 1955-1978; thereafter, *Survey of Current Business*, monthly.

No. 1414. Selected Heating Equipment—Summary of Shipments: 1975 to 1981

[Included in SIC major group 34; represents companies with 20 or more employees]

ITEM	QUANTITY (1,000 units)					VALUE (mil. dol.)				
	1975	1978	1979	1980	1981	1975	1978	1979	1980	1981
Domestic heating stoves	1,097	2,054	2,608	1,735	1,219	80	234	310	363	253
Oil burners, sold separately	554	685	666	482	472	63	90	101	95	94
Gas-fired unit heaters	101	178	182	119	82	22	50	52	39	29
Floor and wall furnaces	361	433	327	290	251	32	50	48	49	46
Solar energy collectors [1]	(NA)	171	[2] 227	303	258	(NA)	27	[2] 33	47	55
Mechanical stokers	(Z)	1	2	12	23	5	9	11	14	21
Duct furnaces	14	25	24	17	10	5	9	9	9	6

NA Not available. Z Less than 500. [1] For related data, see table 1010. [2] Excludes concentrating collectors.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-34N.

No. 1415. Machinery (Except Electrical)—Value of Shipments: 1960 to 1981

[In millions of dollars. "N.e.c." means not elsewhere classified. Includes products with shipments of $1 billion or more in 1981. Based on sample; see Appendix III]

PRODUCT	1960	1970	1972	1975	1977	1978	1979	1980	1981
Ball and roller bearings	836	1,295	1,419	2,046	2,445	2,795	3,156	3,352	3,760
Blowers and fans [1]	269	647	682	1,247	1,422	1,511	1,703	1,902	1,878
Calculating and accounting machines [1]	(NA)	525	694	837	836	891	1,170	1,233	1,377
Electronic computing equipment [1]	(NA)	5,671	6,108	8,443	12,673	15,769	20,399	25,658	30,157
Carburetors, pistons, rings, and valves	(NA)	530	792	898	1,299	1,507	1,775	1,668	2,029
Construction machinery [2]	940	2,049	3,161	5,070	6,597	8,016	8,718	8,466	8,716
Conveyors and conveying equipment [1]	367	814	826	1,333	1,684	1,923	2,318	2,530	2,769
Farm machinery, except tractors [1]	1,449	3,065	2,928	5,316	6,912	7,357	8,989	8,934	9,787
Lawn and garden equipment [1]			1,143	1,558	1,747	2,118	2,704	2,419	2,270
Farm tractors, wheel-type, incl. attachments	511	915	1,215	2,374	2,637	2,524	3,094	2,919	3,251
Food products machinery [1]	462	823	867	1,411	1,576	1,955	2,052	2,159	2,173
Hoists, cranes, and monorails [1]	201	487	446	756	901	1,009	1,268	1,396	1,403
Industrial furnaces and ovens [1]	215	377	341	532	704	794	950	1,042	1,080
Industrial trucks and tractors [1]	389	890	1,005	1,302	1,800	2,266	2,797	2,582	2,467
Internal combustion engines [1 3]	1,215	2,762	3,353	5,191	7,548	9,064	9,624	9,555	10,909
Machine tools, metal cutting types [1]	747	1,544	1,259	2,406	2,561	3,377	4,128	4,952	5,554
Machine tools, metal forming types [1]	379	735	670	1,026	1,115	1,358	1,635	1,749	1,652
Office machines, n.e.c. and typewriters [1]	456	978	1,047	1,334	2,020	2,422	2,756	3,246	3,459
Oil field machinery [1]	507	934	980	2,412	3,219	4,046	4,885	6,517	10,129
Paper industries machinery [1]	348	455	381	761	698	799	1,017	1,177	1,177
Power-driven handtools [1]	254	523	725	772	1,497	1,694	1,911	2,084	1,983
Printing trades machinery [1]	350	657	737	940	1,287	1,536	1,746	2,053	2,286
Pumps and pumping equipment [1]	1,107	2,203	1,633	2,623	3,523	4,037	4,697	5,195	6,301
Refrigeration and heating equipment [1]	1,809	5,053	6,232	6,151	8,502	10,158	10,939	10,253	11,514
Small cutting tools for machine tools	401	700	738	1,185	1,376	1,652	2,024	2,199	2,353
Special dies, tools, jigs, and fixtures	1,751	2,775	2,714	3,068	4,450	5,059	5,733	6,165	6,975
Turbines, and turbine generator sets [1]	623	1,640	2,080	2,585	2,813	2,824	3,211	3,601	3,787
Textile machinery [1]	494	712	738	861	857	949	1,057	1,123	1,145
Tractor shovel loaders	286	581	811	1,280	1,537	1,926	2,077	1,959	1,892
Tracklaying tractors	270	479	564	1,128	1,165	1,421	1,358	1,326	1,578

NA Not available. [1] Includes parts. [2] Excludes tractors and tractor shovel loaders. [3] Excludes aircraft and gasoline automotive.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977*, and *Annual Survey of Manufactures.*

No. 1416. Electrical Machinery and Products Shipments: 1960 to 1981

[In millions of dollars. All figures based on sample and subject to sampling variability. "N.e.c." means not elsewhere classified. Includes products with shipments of $2 billion or more in 1981]

PRODUCT	1960	1965	1970	1972	1975	1977	1978	1979	1980	1981, prel.
Batteries	558	831	1,056	1,270	1,747	2,535	2,938	3,286	3,364	3,489
Communications equipment	2,028	3,098	5,444	5,529	[1] 7,941	[1] 11,031	[1] 12,499	[1] 14,861	[1] 17,571	[1] 19,413
Telephone and telegraph apparatus	1,431	1,953	3,575	3,974	4,734	7,119	8,003	9,677	11,162	12,177
Communication equipment, excluding broadcast	597	1,145	1,869	1,555	2,739	3,344	3,789	4,282	5,261	5,870
Connectors for electronic applications	(NA)	[2] 2,276	[2] 3,134	524	839	986	1,322	1,683	2,010	2,130
Current carrying wiring devices	622	644	983	1,207	1,240	1,825	2,024	2,561	2,704	2,859
Electric housewares and fans	598	1,002	1,261	1,448	1,687	2,304	2,372	2,730	3,094	2,874
Electronic components and subassemblies, n.e.c.	(NA)	([2])	([2])	3,210	3,445	5,574	6,827	8,611	10,122	12,020
Engine electrical equipment	772	1,059	1,437	1,781	2,050	3,049	3,432	3,424	3,039	3,401
General industry power circuit devices	567	825	1,154	1,246	1,874	2,429	2,997	3,464	3,977	4,387
Household cooking equipment	469	624	811	1,027	1,101	1,807	2,089	2,212	2,330	2,477
Household refrigerators and freezers	805	960	1,220	1,419	1,611	2,006	2,045	2,314	2,202	2,403
Lamp bulbs	490	643	885	1,069	1,225	1,630	1,894	2,143	2,050	2,042
Lighting fixtures	849	1,313	1,796	2,276	2,366	3,230	1,852	2,125	2,230	2,408
Motors and generators	1,508	1,936	2,478	2,636	3,677	4,976	5,860	6,436	6,526	7,293
Noncurrent carrying wiring devices	360	536	700	833	1,074	1,316	1,574	1,966	2,008	2,159
Radio and TV receiving sets [1]	1,641	2,984	2,966	3,589	3,545	4,731	5,484	5,489	5,609	5,635
Television receivers	775	1,687	1,756	2,149	1,924	2,451	2,802	2,975	3,333	3,499
Semiconductors and related devices	(S)	839	1,582	2,361	3,038	4,532	5,615	7,356	9,455	10,370
Switchgear and switchboard apparatus	899	1,269	1,849	2,059	2,509	3,298	3,682	4,075	4,477	4,829
Transformers	725	891	1,378	1,436	1,769	2,118	2,371	2,538	2,765	2,999
X-ray and electromedical equipment	88	121	235	383	740	1,838	1,958	2,283	2,416	3,046

NA Not available. S Withheld because data did not meet publication standards. [1] Includes intercommunication equipment not shown separately. [2] Data for "Electronic components and subassemblies" included with "Connectors for electronic applications".

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977*, and *Annual Survey of Manufactures.*

No. 1417. Electronic Computing Equipment Industry—Summary: 1972 to 1981

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1972 and 1977) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Employment, total (1,000)	144.6	155.3	176.7	162.5	165.7	192.7	232.1	273.9	304.6	320.7
Salaries and wages	1,668	1,873	2,222	2,292	2,451	3,004	3,814	4,777	5,916	6,951
Production workers (1,000)	64.7	74.9	86.8	73.8	71.3	85.5	102.9	122.0	134.7	136.0
Work-hours (million)	130.6	151.4	173.0	145.9	144.0	172.4	202.3	243.8	268.7	263.0
Workers wages	547	660	795	731	707	978	1,267	1,546	1,875	2,116
Value added	3,498	4,238	5,205	4,960	6,108	7,524	9,628	12,465	14,717	17,746
Supplemental labor cost	205	237	312	343	399	528	698	904	1,097	1,296
Cost of materials	2,981	3,481	4,164	3,705	4,380	5,701	7,519	9,985	12,787	14,774
Value of shipments	6,471	7,423	9,122	8,560	10,388	12,924	16,558	21,466	26,594	32,032
New capital expenditures	213	207	296	292	373	652	1,101	1,317	1,706	2,125
Inventories	1,574	2,005	2,478	2,264	2,294	3,008	3,989	5,524	6,879	7,863
Assets, total	1,896	1,857	2,085	2,232	2,353	3,042	4,076	5,196	6,790	8,451
Rents, total	43.5	60.7	74.6	82.2	95.9	112.4	147.3	204.1	250.6	292.4
Ratio of:										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.750	.753	.753	.741	.696	.714	.727	.730	.745	.719
Cost of materials to value of shipments	.461	.469	.457	.433	.422	.441	.454	.465	.481	.461
Value added to value of shipments	.540	.571	.571	.548	.588	.590	.581	.581	.553	.554
Value added to work-hours	26.78	27.99	30.09	32.15	42.42	44.22	47.59	51.13	54.77	67.48

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977*, and *Annual Survey of Manufactures.*

No. 1418. Electronic Components and Accessories Industry—Summary: 1972 to 1981

[In millions of dollars, except as indicated. Included in SIC 367. See headnote, table 1417]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Employment, total (1,000)	336.0	394.8	381.7	302.3	323.0	373.5	412.3	467.6	498.6	503.5
Salaries and wages	2,870	3,474	3,686	3,358	3,763	4,557	5,294	6,461	7,780	8,664
Production workers (1,000)	233.9	283.2	266.3	197.6	218.8	257.9	286.7	324.5	336.6	325.5
Work-hours (million)	461.2	555.9	519.8	389.3	438.7	508.7	556.9	635.2	650.1	631.3
Workers wages	1,560	1,971	1,974	1,705	1,964	2,457	2,887	3,484	4,050	4,366
Value added	5,306	6,596	6,963	5,984	7,568	9,260	10,981	14,213	16,902	18,537
Supplemental labor cost	388	481	571	538	669	811	998	1,232	1,497	1,723
Cost of materials	3,468	4,437	4,635	3,984	5,008	6,390	7,210	9,206	11,434	12,159
Value of shipments	8,826	10,783	11,301	10,089	12,433	15,390	17,912	22,708	27,647	30,421
New capital expenditures	344	629	785	536	651	783	1,119	1,591	2,616	2,459
Inventories	1,495	1,965	2,286	2,050	2,320	2,773	3,275	4,376	5,388	5,745
Assets, total	3,701	4,083	4,469	4,868	5,228	6,026	6,964	8,142	10,615	12,567
Rents, total	66	81	97	108	112	107	115	145	189	247
Ratio of:										
Cost of materials to value of shipments	.393	.411	.410	.395	.403	.415	.403	.405	.414	.400
Value added to value of shipments	.601	.612	.616	.593	.609	.602	.613	.627	.611	.609
Value added to work-hours	11.51	11.87	13.40	15.37	17.25	18.20	19.72	22.38	26.00	29.36

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977*, and *Annual Survey of Manufactures.*

No. 1419. Electronic Components—Factory Sales: 1970 to 1982

[In millions of dollars]

PRODUCT	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total sales	**6,205**	**6,894**	**9,906**	**10,403**	**9,286**	**10,884**	**13,033**	**16,440**	**20,644**	**24,276**	**25,240**	**26,119**
Active components	2,369	2,725	4,094	4,310	3,651	4,666	5,154	6,301	8,201	10,180	9,814	9,904
Electron tubes	1,076	1,258	1,338	1,196	1,071	1,233	1,296	1,451	1,586	1,778	2,014	1,904
TV tubes	482	651	722	613	499	637	633	732	799	959	1,069	936
Semiconductors	1,293	1,467	2,756	3,114	2,580	3,433	3,858	4,850	6,615	8,402	[1] 7,800	[1] 8,000
Integrated circuits	524	718	1,421	1,767	1,458	2,032	2,464	3,261	4,671	6,360	(NA)	(NA)
Transistors [2]	352	359	634	688	522	621	631	670	792	806	(NA)	(NA)
Diodes and rectifiers	378	314	391	438	329	390	394	457	557	613	(NA)	(NA)
Other	39	76	310	241	271	390	369	462	595	623	(NA)	(NA)
Passive components	1,133	1,184	1,594	1,726	1,438	1,589	1,842	2,137	2,599	2,908	2,891	2,656
Capacitors	483	438	612	676	470	608	744	897	1,050	1,299	1,297	1,135
Resistors	365	411	537	514	447	449	477	504	647	653	636	583
Coils and transformers	285	335	445	536	489	485	560	654	791	838	819	[1] 800
Passive networks	(NA)	(NA)	(NA)	(NA)	32	47	61	82	111	118	139	138
Other components [3]	2,703	2,985	4,218	4,367	4,197	4,629	6,037	8,002	9,844	11,188	12,535	13,559
R & D expenditures [4]	571	455	485	586	501	427	598	622	803	909	(NA)	(NA)

NA Not available. [1] Estimated. [2] Includes dual transistors for 1970 through 1973. [3] Includes electronic connectors and other electronic components not elsewhere classified. [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, D.C., *Electronic Market Data Book*, annual (copyright).

No. 1420. Motor Vehicles and Equipment Industry—Summary: 1967 to 1981

[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	2,899
1975 ASM	(NA)	283	4,340	235	447	3,405	10,441	34,795	45,340	656	6,334	2,640
1976 ASM	(NA)	324	5,877	274	560	4,732	15,844	47,190	62,717	1,047	6,767	3,380
1977 Census	*322*	*344*	*7,076*	*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	13,428	3,579
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	2,633
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	2,885
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
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	1,265	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

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, MC77-1-37A, and *Annual Survey of Manufactures*.

No. 1421. Transportation Equipment—Value of Shipments: 1960 to 1981

[In millions of dollars. "N.e.c." means not elsewhere classified]

Type of equipment	1960	1965	1970	1972	1975	1977	1978	1979	1980	1981, prel.
Aircraft [1] [2]	[3] 4,653	5,277	8,722	7,538	10,881	12,053	13,610	18,925	23,366	25,109
Complete aircraft, military	[3] 2,395	2,657	3,833	2,803	4,017	4,560	3,719	4,430	5,892	6,670
Complete aircraft, personal and utility	1,270	337	3,176	474	1,003	2,034	6,372	10,883	13,053	13,137
Complete aircraft, except personal and utility		1,275		2,787	3,653	2,672				
Aircraft engines and engine parts	2,779	3,871	4,594	3,070	4,488	4,995	6,028	7,884	10,010	11,556
Aircraft equipment, n.e.c	3,966	3,883	5,273	3,437	4,842	5,762	6,456	8,052	9,946	10,509
Boat building and repairing	631	423	644	1,031	1,290	1,822	2,103	2,238	2,129	2,249
Motor homes *built on purchased chassis*	(NA)	(NA)	(NA)	(NA)	(NA)	1,495	2,005	962	836	1,169
Motor vehicles and car bodies [1]	16,739	26,310	26,811	41,046	43,394	72,979	80,551	80,133	61,428	69,457
Passenger cars and car chassis	14,009	21,852	19,391	29,246	28,883	47,799	50,815	50,306	42,417	47,586
Trucks, truck tractors, and truck chassis	2,573	4,289	5,734	9,586	11,872	21,544	25,830	25,640	15,493	17,515
Motor vehicle parts and accessories	12,273	[4] 18,875	13,189	19,417	23,023	37,842	42,952	42,906	35,627	40,215
Motorcycles, bicycles; and parts	123	226	395	541	705	847	1,001	1,112	1,160	1,160
Railroad equipment	1,087	2,027	(D)	2,264	3,885	4,002	5,207	7,313	7,173	4,597
Ship building and repairing [1] [3]	1,216	1,916	2,594	3,201	5,513	6,270	6,688	7,466	8,889	10,690
Self-propelled ships, military (new)	406	742	1,086	1,100	1,766	2,212	2,282	2,512	2,903	3,351
Self-propelled ships, nonmilitary (new)	351	282	514	816	1,806	1,917	1,861	1,890	1,810	1,873
Travel trailers and campers	(NA)	(NA)	(NA)	1,277	1,083	1,478	1,539	1,068	845	951
Truck and bus bodies	(NA)	(NA)	(NA)	(NA)	(NA)	1,881	2,166	2,297	2,074	2,238
Truck trailers	(NA)	671	765	1,079	878	1,807	2,390	2,935	2,263	2,057

D Withheld to avoid disclosure. NA Not available. [1] Includes data for products not shown separately. [2] See table 1107 for number of civil aircraft shipments. [3] Value of work done. [4] Includes combat vehicles.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972* and *1977*, and *Annual Survey of Manufactures*.

No. 1422. Home Appliances and Home and Auto Electronics—Shipments and Retail Value: 1978 to 1982

[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.)				
	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
Major appliances	**35,966**	**35,965**	**32,768**	**33,401**	**29,042**	**12,154**	**12,647**	**12,310**	**13,445**	**12,139**
Air treatment	4,709	4,680	4,129	4,378	3,417	1,459	1,512	1,379	1,620	1,333
Air conditioners	4,037	3,749	3,187	3,547	2,747	1,312	1,327	1,186	1,426	1,173
Dehumidifiers	441	684	718	601	492	62	98	111	102	88
Air cleaners, electronic	231	247	224	230	178	85	87	83	91	72
Kitchen appliances [1]	21,787	21,989	20,126	20,621	18,086	7,836	8,227	8,102	8,888	7,967
Refrigerators [2]	5,690	5,701	5,173	4,997	4,365	3,228	3,187	3,093	3,227	2,937
Microwave ovens	2,422	2,815	3,585	4,575	4,201	1,142	1,311	1,612	2,275	1,979
Ranges, electric	3,218	3,003	2,544	2,413	2,041	1,132	1,152	1,048	1,026	902
Dishwashers	3,557	3,488	2,721	2,573	2,181	1,082	1,138	959	952	846
Freezers [3]	1,522	1,859	1,715	1,589	1,290	499	699	731	724	621
Ranges, gas	1,797	1,794	1,534	1,501	1,383	619	643	583	619	585
Disposers	3,313	3,316	2,885	3,067	2,693	285	295	277	321	293
Ranges, smooth top	249	220	155	134	103	138	139	93	80	64
Trash compactors	*300*	*293*	*234*	*209*	177	72	74	62	60	52
Home laundry	8,120	7,999	7,187	7,087	6,403	2,575	2,612	2,500	2,597	2,538
Compact appliances [4]	1,350	1,297	1,326	1,315	1,136	284	296	328	340	300
Video	**16,817**	**18,846**	**21,151**	**23,773**	**26,308**	**6,205**	**6,130**	**7,208**	**8,256**	**8,653**
TV, color	10,236	9,793	10,855	11,262	11,377	4,993	4,618	5,284	5,665	5,641
Videocassette recorders	402	478	804	1,330	2,030	356	431	700	1,057	1,344
TV, black and white	6,064	6,281	6,149	5,542	5,750	701	682	685	616	626
Prerecorded videotape/ cassettes	(NA)	2,158	3,151	5,172	6,510	(NA)	154	210	380	407
TV projection	54	63	77	121	117	124	183	210	272	277
Video cameras	61	73	115	186	284	31	62	120	186	265
Videodisc players	(NA)	(NA)	(NA)	160	240	(NA)	(NA)	(NA)	80	93
Audio/HiFi	**67,069**	**68,551**	**69,873**	**74,790**	**72,939**	**4,600**	**4,925**	**5,165**	**4,977**	**4,627**
Components [6]	8,140	9,087	8,919	8,431	8,192	1,505	1,669	1,704	1,561	1,475
Speakers	3,500	3,850	3,735	3,197	2,970	476	601	624	454	418
Receivers	*1,320*	*1,450*	*1,465*	*1,440*	*1,421*	*442*	*399*	*415*	*420*	*381*
Turntables	2,200	2,433	2,336	2,304	2,239	282	316	311	322	314
Tape decks	650	675	716	784	836	182	184	178	173	175
Portable tape units	16,177	20,298	23,366	28,093	28,050	891	1,165	1,447	1,588	1,474
Radios	32,478	28,550	27,012	27,771	16,518	1,056	919	868	863	819
Compact systems	4,474	4,341	3,945	3,578	2,966	963	939	884	693	584
Headphones	2,600	2,775	2,886	3,108	3,584	96	136	150	157	158
Cartridges	3,200	3,500	3,745	3,699	3,629	90	98	112	115	118
Autosound	*17,855*	*18,630*	*18,362*	*19,823*	*20,741*	1,284	1,518	1,487	1,656	1,773
Blank tape	**268,500**	**244,753**	**260,063**	**273,104**	**290,204**	**805**	**687**	**852**	**1,039**	**1,191**
Audiotape/cassettes	263,000	234,786	244,747	246,393	251,781	710	511	595	629	639
Videotape/cassettes	5,500	9,967	15,316	26,711	38,423	95	176	258	410	552
VHS	2,500	5,400	9,288	17,350	26,216	50	103	167	282	393
Beta	3,000	4,567	6,028	9,361	12,207	45	73	90	128	159
Personal electronics [6]	**53,638**	**67,441**	**74,230**	**113,524**	**142,838**	**1,970**	**2,006**	**2,180**	**3,437**	**4,572**
Video game software	(NA)	(NA)	(NA)	*36,000*	*61,000*	(NA)	(NA)	(NA)	972	1,525
Calculators	23,341	25,380	26,502	28,260	29,030	915	843	841	832	902
Video games	4,142	2,700	2,806	4,010	6,542	261	201	328	519	847
Telephones	1,418	2,244	2,643	3,155	4,521	67	163	223	289	450
Telephone answering devices	400	495	579	697	868	84	81	93	112	132
Personal computers	212	246	371	750	1,950	(NA)	(NA)	(NA)	(NA)	(NA)
Electronics furniture	(NA)	(NA)	(NA)	4,144	4,628	(NA)	(NA)	(NA)	487	557
Kitchen electrics [5]	***76,332***	***80,261***	***82,501***	***81,549***	***79,772***	**1,898**	**2,144**	**2,349**	**2,443**	**2,432**
Coffee makers	10,500	12,104	12,957	12,655	12,690	265	298	338	348	357
Irons	10,451	10,340	11,184	10,882	10,797	298	287	317	326	334
Toasters	8,100	8,916	9,291	9,249	8,934	220	252	268	290	293
Mixers, food	5,175	5,568	5,626	5,330	5,217	132	156	160	171	172
Food processors	2,000	3,000	3,180	3,186	2,689	120	183	204	198	172
Cornpoppers	3,600	5,280	5,543	5,777	5,778	65	130	141	156	160
Fans	12,098	12,930	17,100	19,283	19,751	360	504	1,287	1,485	1,437
Kerosene heaters	(NA)	(NA)	(NA)	*2,633*	*3,981*	(NA)	(NA)	(NA)	461	498
Portable electric heaters	4,467	4,957	4,569	4,551	4,609	123	178	196	203	207
Air purifiers	(NA)	(NA)	(NA)	4,300	5,650	(NA)	(NA)	(NA)	118	148
Humidifiers	940	850	821	869	895	85	81	86	94	101
Vaporizers	1,200	1,400	1,624	1,747	1,808	12	14	18	20	22
Floor care	**9,809**	**9,857**	**9,446**	**9,812**	**9,383**	**1,063**	**1,130**	**1,136**	**1,229**	**1,148**
Vacuum cleaners	8,246	8,199	7,727	8,005	7,603	1,025	1,085	1,089	1,177	1,099
Other	1,563	1,658	1,719	1,807	1,780	38	45	47	52	49
Personal care [5]	**47,922**	**51,084**	**54,290**	**54,682**	**55,063**	**850**	**886**	**981**	**1,026**	**1,063**
Hair dryers	18,970	18,488	18,865	18,359	18,413	354	313	317	309	316
Shavers	5,650	5,960	6,007	6,179	6,367	163	177	190	196	206
Scales, bathroom	4,870	5,518	5,888	6,100	6,178	62	78	97	113	122
Cookware and bakeware	91,534	106,723	110,229	110,482	106,298	1,250	1,354	1,449	1,538	1,562
Clocks	23,987	26,664	27,291	29,605	30,327	332	417	462	530	550
Outdoor products	11,070	11,098	12,022	12,772	13,319	220	253	311	350	383
Home security	*13,500*	*12,308*	*15,791*	*17,079*	*17,340*	278	209	303	336	336

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, N.Y., *Merchandising*, 61st Annual Statistical and Marketing Report.