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Flour Milling Products

January 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

REFERENCE COPY

FOR RELEASE: March 5, 1970

SERIES: M20A(70)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. **Summary Statistics-Wheat Flour Milling**

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity	Flour extraction rate[3]
	Average per working day[1]	Calendar month total	(tons)	(1,000 bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
January	1,057	22,189	380,714	49,043	(NA)	1,013	104.3	75.4
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
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August	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2
July	928	20,422	369,203	45,852	(NA)	1,010	91.9	74.2
June	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6
May	908	19,985	350,548	44,374	(NA)	1,003	90.5	75.1
April	910	20,025	355,308	44,492	(NA)	1,003	90.7	75.0
March	1,041	21,873	390,016	49,019	4,348	1,003	103.8	74.4
February	970	20,379	365,675	45,637	(NA)	1,006	96.4	74.4
January	979	21,543	387,164	48,368	(NA)	1,006	97.3	74.2

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

[3]Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1969 QUANTITY	NOVEMBER 1969 QUANTITY	DECEMBER 1968 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 357	1 139	1 143
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 998	2 495	2 556
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	221	228	212
0011351	RYE GROUND FOR FLOUR	M BU	496	529	490
2041618	RYE MILLFEED PRODUCTION	TONS	2 414	3 050	2 459
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	38	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.
(D) Withheld to avoid disclosure of figures for individual companies.
(NA) Not available
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1969 QUANTITY PRODUCED	NOVEMBER 1969 QUANTITY PRODUCED	DECEMBER 1968 QUANTITY PRODUCED
UNITED STATES, TOTAL	22 189	23 068	20 342
MIDDLE ATLANTIC	2 672	3 017	2 821
NEW YORK	2 304	2 633	2 439
NORTH CENTRAL	13 167	13 466	11 656
OHIO	1 106	1 265	1 087
INDIANA	594	583	546
ILLINOIS	1 253	1 225	1 260
MICHIGAN	628	650	618
MINNESOTA	2 457	2 444	2 198
IOWA	456	504	468
MISSOURI	2 016	2 231	1 908
NEBRASKA	660	725	594
KANSAS	3 385	3 258	2 438
SOUTH ATLANTIC	694	750	642
EAST SOUTH CENTRAL	1 008	1 004	963
TENNESSEE	772	767	735
WEST SOUTH CENTRAL	1 290	1 394	885
OKLAHOMA	393	407	250
TEXAS	897	987	635
MOUNTAIN	1 294	1 269	1 202
MONTANA	297	310	307
UTAH	(D)	(D)	(D)
PACIFIC	2 064	2 168	2 173
WASHINGTON	681	r728	697
OREGON	529	537	604
CALIFORNIA AND HAWAII	854	903	872

Note: Detail may not add to total due to independent rounding.
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rRevised by 5 percent or more from previously published figure.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, and industrial flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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CURRENT INDUSTRIAL REPORTS

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Flour Milling Products

February 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: April 13, 1970

SERIES: M20A(70)-2

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Table 1. **Summary Statistics-Wheat Flour Milling**

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	Average per working day[1]	Calendar month total	(tons)	(1,000 bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
February	1,105	21,003	366,160	46,761	(NA)	1,013	109.1	74.9
January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1970 QUANTITY	JANUARY 1970 QUANTITY	FEBRUARY 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 303	1 357	1 196
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 935	2 998	2 679
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	213	221	202
0011351	RYE GROUND FOR FLOUR	M BU	512	497	455
2041618	RYE MILLFEED PRODUCTION	TONS	3 198	r2 738	2 416
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

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TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1970 QUANTITY PRODUCED	JANUARY 1970 QUANTITY PRODUCED	FEBRUARY 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 003	21 960	18 974
MIDDLE ATLANTIC	2 655	2 672	2 534
NEW YORK	2 304	2 304	2 178
NORTH CENTRAL	12 296	12 941	10 954
OHIO	1 194	1 107	1 051
INDIANA	531	594	489
ILLINOIS	1 174	1 261	1 119
MICHIGAN	604	628	616
MINNESOTA	2 281	2 457	2 190
IOWA	445	456	423
MISSOURI	1 881	2 016	1 741
NEBRASKA	692	659	548
KANSAS	2 940	r3 158	2 229
SOUTH ATLANTIC	689	685	645
EAST SOUTH CENTRAL	946	1 016	883
TENNESSEE	723	780	696
WEST SOUTH CENTRAL	1 255	1 292	832
OKLAHOMA	369	393	230
TEXAS	886	899	602
MOUNTAIN	1 191	1 294	1 099
MONTANA	290	297	279
UTAH	(D)	(D)	(D)
PACIFIC	1 971	2 060	2 027
WASHINGTON	676	681	671
OREGON	496	529	555
CALIFORNIA AND HAWAII	799	850	801

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Flour Milling Products

March 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: May 6, 1970

SERIES: M20A(70)-3

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2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 885	2 935	2 739
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	186	213	192
0011351	RYE GROUND FOR FLOUR	M BU	422	510	422
2041618	RYE MILLFEED PRODUCTION	TONS	2 641	3 180	2 357
2041611	RYE FLOUR STOCKS (1)	M CWT	45	(NA)	46
	24 HOUR CAPACITY (1)	DO	14	14	14

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UNITED STATES, TOTAL	21 347	21 015	20 625
MIDDLE ATLANTIC	2 588	2 655	2 885
NEW YORK	2 254	2 304	2 488
NORTH CENTRAL	12 560	12 304	11 673
OHIO	1 175	1 194	1 085
INDIANA	581	531	532
ILLINOIS	1 082	1 182	1 216
MICHIGAN	628	606	646
MINNESOTA	2 326	2 281	2 289
IOWA	473	445	492
MISSOURI	1 912	1 881	1 896
NEBRASKA	672	692	600
KANSAS	3 135	2 938	2 339
SOUTH ATLANTIC	713	693	673
EAST SOUTH CENTRAL	937	948	945
TENNESSEE	732	725	730
WEST SOUTH CENTRAL	1 261	1 245	1 071
OKLAHOMA	414	369	303
TEXAS	847	876	768
MOUNTAIN	1 205	1 204	1 188
MONTANA	284	290	252
UTAH	(D)	(D)	(D)
PACIFIC	2 083	1 966	2 190
WASHINGTON	687	676	725
OREGON	494	496	541
CALIFORNIA AND HAWAII	902	794	924

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Flour Milling Products

April 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: June 3, 1970

SERIES: M20A(70)-4

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Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity	Flour extraction rate[3]
	Average per working day[1]	Calendar month total	(tons)	(1,000 bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
April	943	20,756	352,272	44,788	(NA)	1,003	94.0	77.2
March	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
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September	1,076	21,533	378,872	48,042	4,517	1,008	106.7	75.0
August	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2
July	928	20,422	369,203	45,852	(NA)	1,010	91.9	74.2
June	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6
May	908	19,985	350,548	44,374	(NA)	1,003	90.5	75.1
April	910	20,025	355,308	44,492	(NA)	1,003	90.7	75.0

Note: Data include estimates for small mills.

(NA) Not available.
[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.
[2]Collected quarterly.
[3]Wheat flour production, as compared with amount of wheat ground.

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1970 QUANTITY	MARCH 1970 QUANTITY	APRIL 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 186	1 413	949
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 405	2 885	2 112
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	153	186	175
0011351	RYE GROUND FOR FLOUR	M BU	343	422	384
2041618	RYE MILLFEED PRODUCTION	TONS	2 060	2 641	1 944
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	45	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1970 QUANTITY PRODUCED	MARCH 1970 QUANTITY PRODUCED	APRIL 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 756	21 347	20 307
MIDDLE ATLANTIC	2 436	2 588	2 666
NEW YORK	2 086	2 254	2 291
NORTH CENTRAL	12 415	12 561	11 536
OHIO	1 276	1 174	1 033
INDIANA	553	581	531
ILLINOIS	963	1 082	1 136
MICHIGAN	619	630	608
MINNESOTA	2 354	2 326	2 012
IOWA	489	473	410
MISSOURI	1 841	1 912	1 810
NEBRASKA	651	672	595
KANSAS	3 139	3 135	2 927
SOUTH ATLANTIC	1 037	712	684
EAST SOUTH CENTRAL	923	937	920
TENNESSEE	707	732	719
WEST SOUTH CENTRAL	1 304	1 261	1 344
OKLAHOMA	402	414	404
TEXAS	902	847	940
MOUNTAIN	1 106	1 205	1 150
MONTANA	249	284	279
UTAH	(D)	(D)	(D)
PACIFIC	1 835	2 083	2 007
WASHINGTON	629	687	652
OREGON	393	494	526
CALIFORNIA AND HAWAII	813	902	829

Note: Detail may not add to total due to independent rounding.

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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The data are not adjusted for seasonal variation or number of working days.

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Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, and industrial flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

CURRENT INDUSTRIAL REPORTS

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Flour Milling Products

JUL 1 12 33 PM '70

May 1970

Reference Copy

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: June 29, 1970

SERIES: M20A(70)-5

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	Average per working day[1]	Calendar month total	(tons)	(1,000 bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
May	943	19,801	345,731	44,433	(NA)	1,003	94.0	74.3
April	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
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November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
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May	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
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June	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6
May	908	19,985	350,548	44,374	(NA)	1,003	90.5	75.1

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

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SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1970 QUANTITY	APRIL 1970 QUANTITY	MAY 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 156	1 186	976
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 497	2 525	2 162
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	186	153	184
0011351	RYE GROUND FOR FLOUR	M BU	409	343	415
2041618	RYE MILLFEED PRODUCTION	TONS	2 327	2 060	2 217
2041611	RYE FLOUR STOCKS (1)	M CWT	32	45	(NA)
	24 HOUR CAPACITY (1)	DO	13 890	13 890	14

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TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1970 QUANTITY PRODUCED	APRIL 1970 QUANTITY PRODUCED	MAY 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	19 801	20 756	21 218
MIDDLE ATLANTIC	2 462	2 436	2 623
NEW YORK	2 125	2 086	2 265
NORTH CENTRAL	11 830	12 415	12 377
OHIO	927	1 276	1 049
INDIANA	507	553	527
ILLINOIS	976	963	1 155
MICHIGAN	566	619	637
MINNESOTA	2 347	2 354	2 261
IOWA	467	489	393
MISSOURI	1 866	1 841	1 825
NEBRASKA	668	651	654
KANSAS	3 007	3 139	3 344
SOUTH ATLANTIC	668	r737	687
EAST SOUTH CENTRAL	944	923	938
TENNESSEE	692	707	709
WEST SOUTH CENTRAL	1 260	1 304	1 436
OKLAHOMA	352	402	439
TEXAS	908	902	997
MOUNTAIN	963	1 106	1 183
MONTANA	221	249	262
UTAH	(D)	(D)	(D)
PACIFIC	1 674	1 835	1 974
WASHINGTON	571	629	697
OREGON	327	393	531
CALIFORNIA AND HAWAII	776	813	746

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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UNITED STATES
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Flour Milling Products

June 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: August 4, 1970 **SERIES: M20A(70)-6**

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Table 1. **Summary Statistics-Wheat Flour Milling**

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity	Flour extraction rate[3]
	Average per working day[1]	Calendar month total	(tons)	(bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
June	911	20,044	353,872	44,265	4,227	1,005	90.6	75.4
May	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
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Note: Data include estimates for small mills.

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	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 086	1 156	913
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 336	2 497	2 018
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	181	186	180
0011351	RYE GROUND FOR FLOUR	M BU	408	408	411
2041618	RYE MILLFEED PRODUCTION	TONS	2 598	2 310	2 334
2041611	RYE FLOUR STOCKS (1)	M CWT	25	r25	34
	24 HOUR CAPACITY (1)	DO	13	r13	14

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UNITED STATES, TOTAL	20 044	19 826	20 758
MIDDLE ATLANTIC	2 570	2 462	2 904
NEW YORK	2 232	2 125	2 504
NORTH CENTRAL	11 703	11 817	11 854
OHIO	1 017	927	954
INDIANA	501	507	533
ILLINOIS	1 058	977	1 127
MICHIGAN	672	552	681
MINNESOTA	2 318	2 347	2 267
IOWA	473	467	480
MISSOURI	1 841	1 866	1 702
NEBRASKA	667	668	670
KANSAS	2 657	3 007	3 004
SOUTH ATLANTIC	716	681	652
EAST SOUTH CENTRAL	969	943	964
TENNESSEE	747	691	745
WEST SOUTH CENTRAL	1 127	1 251	1 286
OKLAHOMA	328	352	366
TEXAS	799	899	920
MOUNTAIN	1 110	963	1 157
MONTANA	233	221	286
UTAH	(D)	(D)	(D)
PACIFIC	1 849	1 709	1 941
WASHINGTON	584	571	647
OREGON	395	r350	469
CALIFORNIA AND HAWAII	870	788	825

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

July 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: August 27, 1970

SERIES: M20A(70)-7

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	Average per working day[1]	Calendar month total	(tons)	(bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
July	871	20,023	350,375	44,788	(NA)	1,005	86.6	74.5
June	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March	970	21,347	372,048	47,089	4,237	1,003	96.7	78.5
February	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3
October	1,022	23,506	410,535	53,606	(NA)	1,008	101.4	73.1
September	1,076	21,533	378,872	48,042	4,517	1,008	106.7	75.0
August	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2
July	928	20,422	369,203	45,852	(NA)	1,010	91.9	74.2

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

[3]Wheat flour production, as compared with amount of wheat ground.

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1970 QUANTITY	JUNE 1970 QUANTITY	JULY 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 056	1 086	994
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 326	2 336	2 186
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	173	181	199
0011351	RYE GROUND FOR FLOUR	M BU	390	408	462
2041618	RYE MILLFEED PRODUCTION	TONS	2 387	2 598	2 554
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	25	(NA)
	24 HOUR CAPACITY (1)	DO	13	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.
(NA) Not available.
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1970 QUANTITY PRODUCED	JUNE 1970 QUANTITY PRODUCED	JULY 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 023	19 982	19 620
MIDDLE ATLANTIC	2 728	2 570	2 817
NEW YORK	2 409	2 232	2 473
NORTH CENTRAL	11 654	11 650	11 704
OHIO	1 128	1 020	1 117
INDIANA	492	501	505
ILLINOIS	870	1 057	1 153
MICHIGAN	593	677	637
MINNESOTA	2 154	2 258	2 372
IOWA	489	473	467
MISSOURI	1 843	1 841	1 880
NEBRASKA	689	667	568
KANSAS	3 049	2 657	2 499
SOUTH ATLANTIC	707	716	694
EAST SOUTH CENTRAL	977	963	944
TENNESSEE	750	741	725
WEST SOUTH CENTRAL	1 007	1 127	1 001
OKLAHOMA	273	328	247
TEXAS	734	799	754
MOUNTAIN	989	1 110	1 335
MONTANA	256	233	297
UTAH	(D)	(D)	(D)
PACIFIC	1 961	1 846	1 125
WASHINGTON	621	584	77
OREGON	474	395	246
CALIFORNIA AND HAWAII	866	867	802

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

CURRENT INDUSTRIAL REPORTS

Flour Milling Products

August 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: September 30, 1970

SERIES: M20A(70)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. **Summary of Wheat Flour Milling: 1968 to 1970**

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity	Flour extraction rate[3]
	Average per working day[1]	Calendar month total	(tons)	(bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
August	1,019	21,393	372,413	47,463	(NA)	1,005	101.3	75.1
July	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June	908	19,982	353,236	44,126	4,227	1,005	90.4	75.0
May	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
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August	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basic of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

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SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1970 QUANTITY	JULY 1970 QUANTITY	AUGUST 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 400	1 056	1 190
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 059	2 326	2 660
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	291	173	194
0011351	RYE GROUND FOR FLOUR	M BU	645	390	445
2041618	RYE MILLFEED PRODUCTION	TONS	3 433	2 387	2 452
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.
(NA) Not available.
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1970 QUANTITY PRODUCED	JULY 1970 QUANTITY PRODUCED	AUGUST 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 393	19 991	21 455
MIDDLE ATLANTIC	2 816	2 728	2 926
NEW YORK	2 444	2 409	2 526
NORTH CENTRAL	12 589	11 655	12 419
OHIO	1 027	1 127	1 051
INDIANA	548	492	542
ILLINOIS	1 080	870	1 180
MICHIGAN	649	593	631
MINNESOTA	2 327	2 154	2 606
IOWA	509	489	481
MISSOURI	2 067	1 843	1 875
NEBRASKA	599	689	629
KANSAS	3 283	3 051	2 848
SOUTH ATLANTIC	687	708	710
EAST SOUTH CENTRAL	1 018	977	967
TENNESSEE	776	750	749
WEST SOUTH CENTRAL	1 259	1 015	1 131
OKLAHOMA	309	273	335
TEXAS	950	742	796
MOUNTAIN	978	r955	1 215
MONTANA	212	r256	193
UTAH	(D)	(D)	(D)
PACIFIC	2 046	1 953	2 087
WASHINGTON	698	621	717
OREGON	441	474	525
CALIFORNIA AND HAWAII	907	858	845

Note: Detail may not add to total due to independent rounding.

rRevised by 5 percent or more from previously published data.
(D) Withheld to avoid disclosure of figures for individ

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

REFERENCE COPY

CURRENT INDUSTRIAL REPORTS

Flour Milling Products

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September 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: November 3, 1970

SERIES: M20A(70)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1968 to 1970

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity	Flour extraction rate[2]
	Average per working day[1]	Calendar month total	(tons)	(bushels)	(1,000 cwt.)	(1,000 cwt.)		(percent)
1970								
September	1,013	22,282	394,682	49,461	4,438	1,013	100.0	74.6
August	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
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SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1970 QUANTITY	AUGUST 1970 QUANTITY	SEPTEMBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 314	1 400	1 239
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 839	3 059	2 665
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	203	291	195
0011351	RYE GROUND FOR FLOUR	M BU	467	645	442
2041618	RYE MILLFEED PRODUCTION	TONS	2 724	3 433	2 625
2041611	RYE FLOUR STOCKS (1)	M CWT	29	(NA)	39
	24 HOUR CAPACITY (1)	DO	14	14	14

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UNITED STATES, TOTAL	22 282	21 233	22 201
MIDDLE ATLANTIC	2 870	2 816	3 091
NEW YORK	2 498	2 444	2 715
NORTH CENTRAL	12 908	12 372	12 642
OHIO	1 076	1 027	719
INDIANA	567	548	528
ILLINOIS	1 300	1 057	1 297
MICHIGAN	568	r608	644
MINNESOTA	2 404	2 327	2 501
IOWA	503	509	505
MISSOURI	2 218	2 073	2 059
NEBRASKA	676	597	680
KANSAS	3 235	3 282	3 162
SOUTH ATLANTIC	764	r727	745
EAST SOUTH CENTRAL	1 018	1 000	1 031
TENNESSEE	787	761	801
WEST SOUTH CENTRAL	1 394	1 252	1 337
OKLAHOMA	408	309	388
TEXAS	986	943	949
MOUNTAIN	1 095	978	1 280
MONTANA	196	212	312
UTAH	(D)	(D)	(D)
PACIFIC	2 233	2 088	2 075
WASHINGTON	681	698	674
OREGON	548	r483	498
CALIFORNIA AND HAWAII	1 004	907	903

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CURRENT INDUSTRIAL REPORTS

Reference Copy

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October 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: December 3, 1970

SERIES: M20A(70)-10

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March	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.7
July	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3
October	1,022	23,506	410,535	53,606	(NA)	1,008	101.4	73.1

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

[3]Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	OCTOBER 1970 QUANTITY	SEPTEMBER 1970 QUANTITY	OCTOBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 169	1 314	1 367
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 551	2 839	2 992
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	207	203	194
0011351	RYE GROUND FOR FLOUR	M BU	464	467	449
2041618	RYE MILLFEED PRODUCTION	TONS	2 495	2 724	2 593
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	29	(NA)
	24 HOUR CAPACITY (1)	DO	13	14	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.
(NA) NOT AVAILABLE.
(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	OCTOBER 1970 QUANTITY PRODUCED	SEPTEMBER 1970 QUANTITY PRODUCED	OCTOBER 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	23 355	22 159	23 357
MIDDLE ATLANTIC	3 029	2 870	3 172
NEW YORK	2 663	2 498	2 786
NORTH CENTRAL	13 564	12 774	13 402
OHIO	1 088	1 076	763
INDIANA	645	567	645
ILLINOIS	1 351	1 319	1 348
MICHIGAN	651	568	718
MINNESOTA	2 554	2 322	2 667
IOWA	524	503	479
MISSOURI	2 239	2 218	2 059
NEBRASKA	684	676	718
KANSAS	3 407	3 164	3 377
SOUTH ATLANTIC	936	759	776
EAST SOUTH CENTRAL	1 007	1 022	1 055
TENNESSEE	763	791	801
WEST SOUTH CENTRAL	1 406	1 406	1 464
OKLAHOMA	435	408	447
TEXAS	971	998	1 017
MOUNTAIN	1 098	1 095	1 333
MONTANA	185	196	304
UTAH	(D)	(D)	(D)
PACIFIC	2 315	2 233	2 155
WASHINGTON	786	681	665
OREGON	607	548	590
CALIFORNIA AND HAWAII	922	1 004	900

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION

REFERENCE COPY

CURRENT INDUSTRIAL REPORTS

Flour Milling Products

November 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: January 4, 1971

SERIES: M20A(70)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. **Summary of Wheat Flour Milling: 1968 to 1970**

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity[3]	Flour extraction rate[2]
	Average per working day[1]	Calendar month total	(tons)	(bushels)	(1,000 cwt.)	(1.000 cwt.)		(percent)
1970								
November	1,043	20,870	361,683	46,062	(NA)	1,013	103.0	75.5
October	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
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January	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
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August	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7
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January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

[3]Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1970 QUANTITY	OCTOBER 1970 QUANTITY	NOVEMBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 157	1 169	1 142
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 491	2 551	2 498
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	185	206	206
0011351	RYE GROUND FOR FLOUR	M BU	420	459	474
2041618	RYE MILLFEED PRODUCTION	TONS	2 322	2 456	2 706
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.
(NA) NOT AVAILABLE.
(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1970 QUANTITY PRODUCED	OCTOBER 1970 QUANTITY PRODUCED	NOVEMBER 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 870	23 364	22 170
MIDDLE ATLANTIC	2 634	3 029	2 986
NEW YORK	2 303	2 663	2 603
NORTH CENTRAL	12 127	13 580	12 831
OHIO	1 063	1 086	1 199
INDIANA	550	645	584
ILLINOIS	1 118	1 370	1 231
MICHIGAN	586	651	654
MINNESOTA	2 195	2 553	2 379
IOWA	462	524	482
MISSOURI	1 984	2 239	1 993
NEBRASKA	716	684	679
KANSAS	3 083	3 407	3 099
SOUTH ATLANTIC	717	936	736
EAST SOUTH CENTRAL	911	1 005	978
TENNESSEE	677	761	760
WEST SOUTH CENTRAL	1 431	1 401	1 356
OKLAHOMA	521	432	403
TEXAS	910	969	953
MOUNTAIN	1 135	1 098	1 234
MONTANA	277	185	266
UTAH	(D)	(D)	(D)
PACIFIC	1 915	2 315	2 049
WASHINGTON	588	786	662
OREGON	472	607	503
CALIFORNIA AND HAWAII	855	922	884

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

CURRENT INDUSTRIAL REPORTS

REFERENCE COPY

Flour Milling Products

December 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: January 27, 1971

SERIES: M20A(70)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. **Summary of Wheat Flour Milling: 1968 to 1970**

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks[2]	Daily 24-hour capacity in wheat flour[2]	Wheat flour produced as percent of capacity[3]	Flour extraction rate[2]
	Average per working day[1]	Calendar month total	(tons)	(1,000 bushels)	(1,000 cwt.)	(1.000 cwt.)		(percent)
1970								
December	944	20,759	361,302	46,141	4,329	996	94.7	75.0
November	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
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January	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4

Note: Data include estimates for small mills.

(NA) Not available.

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

[2]Collected quarterly.

[3]Wheat flour production, as compared with amount of wheat ground.

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	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 216	1 157	1 139
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 610	2 491	2 495
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	208	185	228
0011351	RYE GROUND FOR FLOUR	M BU	498	420	529
2041618	RYE MILLFEED PRODUCTION	TONS	2 511	2 312	3 050
2041611	RYE FLOUR STOCKS (1)	M CWT	44	(NA)	38
	24 HOUR CAPACITY (1)	DO	15	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1970 QUANTITY PRODUCED	NOVEMBER 1970 QUANTITY PRODUCED	DECEMBER 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 759	20 707	23 068
MIDDLE ATLANTIC	2 829	2 634	3 017
NEW YORK	2 453	2 303	2 633
NORTH CENTRAL	11 969	12 125	13 466
OHIO	1 024	1 063	1 265
INDIANA	495	542	583
ILLINOIS	1 156	1 118	1 225
MICHIGAN	552	592	650
MINNESOTA	2 236	2 195	2 440
IOWA	479	462	504
MISSOURI	2 051	1 984	2 231
NEBRASKA	705	716	725
KANSAS	2 917	3 083	3 258
SOUTH ATLANTIC	735	717	750
EAST SOUTH CENTRAL	927	896	1 004
TENNESSEE	693	662	767
WEST SOUTH CENTRAL	1 184	r1 285	1 394
OKLAHOMA	285	r377	407
TEXAS	899	908	987
MOUNTAIN	1 083	1 135	1 269
MONTANA	286	277	310
UTAH	(D)	(D)	(D)
PACIFIC	2 032	1 915	2 168
WASHINGTON	606	588	728
OREGON	454	472	537
CALIFORNIA AND HAWAII	972	855	903

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. r Revised by 5 percent or more from previously published figures.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

REFERENCE COPY

CURRENT INDUSTRIAL REPORTS

Flour Milling Products

Summary for 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: August 2, 1971

SERIES: M20A(70)-13

This report includes statistics for all the months of 1970 and 1969. All revisions in this series compiled for these years, including more historical data and more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1970 amounted to 253.1 million cwt. sacks about 1.0 million cwt. sacks below the 1969 production which, in turn was approximately 8.9 million cwt. above the production for 1967. Production figures in 1970 and 1969 were at 99.7 and 98.3 percent, respectively, of total annual capacity.

Wheat mills in 1970 and 1969 ground 563.7 and 568.0 million bushels of wheat; corresponding mill feed production figures for these years were 4,409 and 4,458 thousand tons.

Production of rye flour in 1970 amounted to 2,406 thousand cwt. sacks, compared with 2,361 thousand cwt. sacks in 1969. Rye grindings in 1970 and 1969 were 5,467 and 5,378 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheat-milling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products. The quantity figures for 1967 and 1963 were 245,703 and 267,530 thousand cwt., respectively. The production figures for these years as published in table 1 of this report are 245,240 and 260,007 thousand cwt. sacks, respectively.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief of the Foods, Textiles, Apparel, and Leather Branch. Kenneth I. Hansen, Chief, Foods, assisted by James L. Oliver, was directly responsible for the review of the data and preparation of the report. Owen C. Gretton, Chief of the Division, and Elmer S. Biles, Assistant Chief, provided overall direction, and coordination to this project.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—$1.50 per year.

Table 1.--SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1940 TO 1970

Year	Wheat flour production (1,000 cwt. sacks)	Wheat grindings (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent)[1]
				Wheat	Mill feed	
1940	212,700	494,900	4,302	139.6	40.5	71.6
1941	216,800	504,300	4,356	139.6	40.2	71.8
1942	221,100	515,300	4,444	139.8	40.2	71.5
1943	237,900	551,100	4,718	139.0	39.7	71.9
1944	243,400	565,100	4,878	139.3	40.1	71.8
1945	274,400	640,720	5,598	140.1	40.8	71.4
1946	278,900	624,740	4,895	134.4	35.1	74.4
1947	305,499	701,799	5,913	137.8	38.7	72.6
1948	279,133	639,476	5,337	137.4	38.2	72.8
1949	234,351	543,475	4,651	139.1	39.7	71.9
1950	224,899	523,411	4,534	139.6	40.3	71.6
1951	229,292	535,235	4,626	140.1	40.4	71.4
1952	228,148	532,374	4,605	140.0	40.4	71.4
1953	222,177	515,446	4,432	139.2	39.9	71.8
1954	[2]221,405	514,028	4,440	139.3	40.1	71.8
1955	225,648	522,851	4,482	139.0	39.7	71.9
1956	229,758	527,159	4,416	137.7	38.4	72.6
1957	238,888	548,532	4,584	137.8	38.4	72.6
1958	248,004	566,688	4,713	137.1	38.0	72.9
1959	250,568	570,856	4,707	136.7	37.6	73.2
1960	255,141	582,719	4,827	137.0	37.8	73.0
1961	260,316	591,999	4,858	136.4	37.3	73.3
1962	262,069	595,353	4,876	136.3	37.2	73.4
1963	260,007	589,245	4,794	136.0	36.9	73.5
1964	261,663	591,654	4,890	135.7	37.4	73.7
1965	250,384	564,724	4,645	135.3	37.1	73.9
1966	253,000	568,672	4,619	134.8	36.5	74.1
1967	245,240	549,801	4,423	134.5	36.1	74.3
1968	254,185	569,649	4,511	134.5	35.5	74.4
1969	254,094	567,956	4,458	134.1	35.1	74.6
1970	253,094	563,714	4,409	133.6	34.8	74.8

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1940 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

[1]Wheat flour production as compared with the amount of wheat ground. [2]Based on 1954 Census of Manufactures. See Census report MC-20D, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, BY MONTHS: 1970 AND 1969

Month	Wheat flour production (1,000 cwt. sacks)		Wheat grindings (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent)[2]
	Average per working day[1]	Calendar month total			Wheat	Mill feed	
1970, TOTAL	993	253,094	563,714	4,409	133.6	34.8	74.8
January	1,046	21,960	48,917	383	133.7	34.9	74.8
February	1,105	21,015	47,424	357	135.4	34.0	73.9
March	970	21,347	47,396	372	133.2	34.8	75.5
April	943	20,756	45,834	352	132.5	33.9	75.5
May	944	19,826	44,500	347	134.7	35.0	74.3
June	908	19,982	44,126	353	132.5	35.3	75.4
July	889	19,991	44,700	350	134.2	35.0	74.5
August	1,011	21,233	47,440	373	134.1	35.1	75.1
September	1,055	22,159	49,361	393	133.7	35.5	74.8
October	1,062	23,364	51,708	407	132.8	34.8	75.3
November	1,035	20,707	46,161	361	133.8	34.8	74.8
December	943	20,754	46,147	361	132.1	34.4	75.0
1969, TOTAL	996	254,094	567,956	4,458	134.1	35.1	74.6
January	925	20,342	45,888	362	135.3	35.6	73.8
February	949	18,974	42,038	335	132.9	35.3	75.2
March	982	20,625	46,121	364	134.2	35.3	74.5
April	923	20,307	45,631	356	134.8	35.1	74.1
May	1,010	21,217	47,623	373	134.7	35.2	74.2
June	988	20,758	46,457	365	134.3	35.2	74.4
July	891	19,620	44,119	345	134.9	35.2	74.0
August	1,022	21,455	47,974	377	134.2	35.1	74.5
September	1,057	22,201	49,519	387	133.8	34.9	74.7
October	1,016	23,357	51,894	407	133.3	34.9	75.0
November	1,167	22,170	49,344	385	133.5	34.7	74.9
December	1,098	23,068	51,348	402	133.6	34.9	74.8

[1]The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.
[2]Wheat flour production as compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS: 1970 AND 1969

Month	Rye flour production (1,000 cwt. sacks)	Rye grindings (1,000 bushels)	Mill feed production (tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent)[1]
				Rye	Mill feed	
1970, TOTAL	2,406	5,467	31,350	127.3	26.0	78.6
January	221	497	2,738	125.8	24.8	79.5
February	213	510	3,180	134.3	29.9	74.5
March	186	422	2,641	126.9	28.4	78.8
April	153	343	2,060	125.5	26.9	79.7
May	186	408	2,310	122.6	24.8	81.6
June	181	408	2,598	126.0	28.8	79.4
July	173	390	2,387	126.0	27.6	79.4
August	291	645	3,433	124.1	23.6	80.6
September	203	467	2,724	129.1	26.8	77.5
October	206	459	2,456	124.8	23.8	80.2
November	185	420	2,312	127.0	25.0	78.7
December	208	498	2,511	134.1	24.2	74.6
1969, TOTAL	2,361	5,378	29,707	127.6	25.2	78.4
January	212	490	2,459	129.4	23.2	77.3
February	202	455	2,416	126.1	23.9	79.3
March	192	422	2,357	123.1	24.6	81.2
April	175	384	1,944	122.9	22.2	81.4
May	184	415	2,217	126.3	24.2	79.2
June	180	411	2,334	127.9	25.9	78.2
July	199	462	2,554	130.0	25.7	76.9
August	194	445	2,452	128.5	25.3	77.8
September	195	442	2,625	126.9	26.9	78.8
October	194	449	2,593	129.6	26.8	77.2
November	206	474	2,706	128.9	26.3	77.6
December	228	529	3,050	129.9	26.8	77.0

[1]Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1970 AND 1969

Geographic areas	1970				1969			
	Wheat grindings (1,000 bushels)	Wheat flour production			Wheat grindings (1,000 bushels)	Wheat flour production		
		Total (1,000 cwt. sacks)	Daily[1] (24 hour) capacity (cwt. sacks)	Percent of estimated annual capacity[2]		Total (1,000 cwt. sacks)	Daily[1] (24 hour) capacity (cwt. sacks)	Percent of estimated annual capacity[2]
UNITED STATES, TOTAL	563,714	253,094	987,962	99.7	567,956	254,094	1,013,322	98.3
Middle Atlantic division	70,730	32,289	118,232	106.3	76,362	34,442	124,968	108.1
New York	60,738	28,075	99,859	109.4	65,799	29,931	109,976	106.7
North Central Region	329,814	148,163	557,884	103.3	327,477	146,513	576,235	99.7
Ohio	29,832	13,101	56,145	90.8	28,429	12,373	56,995	85.1
Indiana	15,377	6,556	25,888	98.5	15,303	6,545	25,888	99.2
Illinois	30,537	13,413	63,658	82.0	32,558	14,447	63,427	89.3
Michigan	16,506	7,275	34,656	81.7	17,861	7,740	32,129	94.5
Minnesota	60,195	27,810	97,911	110.5	61,296	28,186	101,194	109.2
Iowa	12,777	5,769	20,801	107.9	12,569	5,584	20,551	106.5
Missouri	52,095	23,765	78,926	117.2	51,030	22,979	89,682	100.5
Nebraska	18,723	8,076	32,023	98.1	17,331	7,660	30,023	100.1
Kansas	81,533	36,938	129,741	110.8	76,766	34,524	127,890	105.9
South Atlantic division	19,876	8,820	44,689	76.8	18,991	8,394	42,739	77.0
East South Central division	26,504	11,544	50,290	89.3	26,436	11,592	50,006	90.9
Tennessee	20,065	8,781	30,314	112.7	20,377	9,137	30,330	118.1
West South Central division	33,944	15,023	66,032	88.5	32,536	14,537	66,232	86.1
Oklahoma	9,502	4,342	16,633	101.6	9,310	4,219	17,533	94.4
Texas	24,442	10,681	49,399	84.1	23,226	10,318	48,699	83.1
Mountain division	29,602	13,226	60,764	84.7	32,852	14,645	64,612	88.9
Montana	6,469	2,986	12,855	90.4	7,201	3,347	11,816	111.1
Utah	(D)	(D)	25,122	(D)	(D)	(D)	27,509	(D)
Pacific division	53,244	24,029	90,071	103.8	53,302	23,971	88,530	106.2
Washington	17,232	7,808	29,985	101.3	16,918	7,612	29,785	108.6
Oregon	12,733	5,695	23,525	94.2	13,634	6,125	23,025	104.3
California[3]	23,279	10,526	36,561	112.0	22,750	10,234	35,720	112.4

(D) Withheld to avoid disclosing figures for individual companies. [1]Capacity as reported for December of each year.
[2]Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1969 and 257 for 1970. This figure is calculated on the basis of a 5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.
[3]Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1970 AND 1969

Quarter	Production (1,000 cwt. sacks)	Production (1,000 cwt. sacks)
1970:		
First	64,322	4,237
Second	60,564	4,227
Third	63,383	4,438
Fourth	64,825	4,329
1969:		
First	59,941	4,489
Second	62,282	4,324
Third	63,276	4,391
Fourth	68,595	4,595

Table 6.--DURUM WHEAT PRODUCTS

Item	1970		1969	
	Jan. 1-June 30	July 1-Dec. 31	Jan. 1-June 30	July 1-Dec. 31
Durum wheat ground (thousand bushels)	16,176	15,876	14,266	15,496
Straight semolina and duram flour produced (thousand sacks (cwt.))	7,501	7,312	6,408	7,071
Blended semolina and duram flour produced (thousand sacks (cwt.)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1970 AND 1969

Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance costs. Total import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufacturers' production (1,000 cwt)	Exports of domestic merchandise[1]		Percent, exports to manufacturers' production	Imports for consumption (1,000 cwt)	Calculated import duty ($1,000)	Apparent consumption[2] (1,000 cwt)	Percent, imports to apparent consumption
		Quantity (1,000 cwt)	Value ($1,000)					
	1970							
Wheat flour	253,094	[3]26,002	[3]99,739	10.3	(2)	(NA)	[7]227,092	(NA)
Semolina and durum flour	14,813	[4]67	[4]343	0.4	(2)	(NA)	[7]14,746	(NA)
	1969							
Wheat flour	254,094	[5]26,286	[5]104,365	10.3	(2)	(NA)	[7]227,808	(NA)
Semolina and durum flour	13,479	[6]56	[6]303	0.4	(2)	(NA)	[7]13,423	(NA)

(NA) not available.

[1]Source: Bureau of the Census Report FT 610, U.S. Exports of Domestic Merchandise; SIC-Based Products and Area.

[2]Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also, see footnote 7 below.

[3]1970 Schedule B codes 0460110, 0460120, 0460140, 0460150.

[4]1970 Schedule B code 0450130

[5]1969 Schedule B codes 0460010, 0460020, 0460040, 0460050.

[6]1969 Schedule B code 0460030.

[7]TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated (1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) Valuation.--Domestic producers' shipments, or production, are usually valued at the point of production--the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation--seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each commodity line in the table, but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

(b) Duplication in quantity and value of output.--Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) Low-value export and import transactions.--Commodity information is not shown for individual imports and exports valued under $100 or for imports on informal entries. Informal entries, by definition, contain only items valued at not more than $250. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) Manufacturers' shipments, not specified by kind.--The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) Time lag between output and exports.--There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) "Direct" vs "total" commodity exports.--The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) Used commodities.--With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.