



Flour Milling Products

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Highlights

Fourth Quarter 2019, October through December, contained 92 days.

Third Quarter 2020, July through September, contained 92 days.

Fourth Quarter 2020, October through December, contained 92 days.

All wheat ground for flour during the fourth quarter 2020 was 231 million bushels, down 1 percent from the third quarter 2020 grind of 234 million bushels and down less than 1 percent from the fourth quarter 2019 grind of 232 million bushels. Fourth quarter 2020 total flour production was 107 million hundredweight, down 1 percent from the third quarter 2020 and down 1 percent from the fourth quarter 2019. Whole wheat flour production at 4.85 million hundredweight during the fourth quarter 2020 accounted for 5 percent of the total flour production. Millfeed production from wheat in the fourth quarter 2020 was 1.66 million tons. The daily 24-hour milling capacity of wheat flour during the fourth quarter 2020 was 1.58 million hundredweight.

Durum wheat ground for flour and semolina production during the fourth quarter of 2020 totaled 17.3 million bushels, down 1 percent from the third quarter 2020 and down 4 percent from the fourth quarter 2019. Fourth quarter 2020 durum flour and semolina production was 8.20 million hundredweight, down 1 percent from the third quarter 2020 and down 4 percent from the fourth quarter 2019. Whole wheat durum flour and semolina production was 147,000 hundredweight, up 10 percent from 134,000 hundredweight in the third quarter 2020 but down 8 percent from 160,000 hundredweight from the fourth quarter 2019. Fourth quarter durum wheat millfeed production was 116,884 tons and the daily 24-hour milling capacity for durum and semolina production was 131,730 hundredweight.

Rye ground for flour during the fourth quarter of 2020 was 474,000 bushels, up 5 percent from the third quarter 2020 and up 4 percent from the fourth quarter 2019. Rye flour production during the fourth quarter of 2020 was 216,000 hundredweight, compared to 210,000 hundredweight in the previous quarter and 214,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the fourth quarter 2020.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2020 - December 2020 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
October 2019 - December 2019	17,370	8,133	121,100
July 2020 - September 2020	16,640	7,699	120,400
October 2020 - December 2020	15,956	7,437	108,600
Colorado and Oklahoma			
October 2019 - December 2019	8,050	3,875	59,280
July 2020 - September 2020	7,731	3,743	58,280
October 2020 - December 2020	8,047	3,827	58,280
Florida, Georgia, and South Carolina			
October 2019 - December 2019	8,684	3,996	57,600
July 2020 - September 2020	8,908	4,085	60,000
October 2020 - December 2020	8,612	3,981	60,000
Idaho, Montana, Oregon, Utah, and Washington			
October 2019 - December 2019	15,850	7,312	125,787
July 2020 - September 2020	16,244	7,686	126,987
October 2020 - December 2020	15,738	7,353	125,187
Illinois, Indiana, and Wisconsin			
October 2019 - December 2019	24,133	11,529	176,252
July 2020 - September 2020	25,615	12,106	161,852
October 2020 - December 2020	25,070	11,805	161,852
Iowa and Nebraska			
October 2019 - December 2019	8,482	3,884	56,744
July 2020 - September 2020	8,419	3,866	55,894
October 2020 - December 2020	8,411	3,739	55,894
Kansas			
October 2019 - December 2019	14,599	6,786	111,132
July 2020 - September 2020	16,240	7,623	111,132
October 2020 - December 2020	16,477	7,656	111,132
Kentucky and Tennessee			
October 2019 - December 2019	8,990	4,174	52,500
July 2020 - September 2020	8,887	4,148	52,500
October 2020 - December 2020	8,884	4,096	52,500
Maryland and Virginia			
October 2019 - December 2019	6,786	3,083	52,692
July 2020 - September 2020	6,373	2,905	48,692
October 2020 - December 2020	6,120	2,801	48,692
Michigan			
October 2019 - December 2019	5,602	2,540	39,700
July 2020 - September 2020	5,557	2,486	39,700
October 2020 - December 2020	5,675	2,542	39,700
Minnesota			
October 2019 - December 2019	13,923	6,473	111,460
July 2020 - September 2020	12,176	5,652	80,120
October 2020 - December 2020	11,254	5,235	80,120
Missouri			
October 2019 - December 2019	13,718	6,406	92,800
July 2020 - September 2020	13,641	6,248	92,800
October 2020 - December 2020	13,830	6,356	92,800
New Jersey and New York			
October 2019 - December 2019	14,635	6,796	103,350
July 2020 - September 2020	13,497	6,481	103,350
October 2020 - December 2020	12,963	6,025	103,350

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2020 - December 2020 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
October 2019 - December 2019.....	8,086	3,665	61,496
July 2020 - September 2020.....	8,216	3,695	61,496
October 2020 - December 2020.....	8,306	3,768	61,496
North Dakota			
October 2019 - December 2019.....	14,321	6,491	93,500
July 2020 - September 2020.....	15,739	7,125	93,100
October 2020 - December 2020.....	15,363	7,049	93,100
Ohio			
October 2019 - December 2019.....	13,042	5,872	88,400
July 2020 - September 2020.....	14,101	6,303	88,400
October 2020 - December 2020.....	14,688	6,593	79,900
Pennsylvania			
October 2019 - December 2019.....	12,415	5,687	85,400
July 2020 - September 2020.....	11,759	5,360	77,900
October 2020 - December 2020.....	11,449	5,221	77,900
Texas			
October 2019 - December 2019.....	12,595	5,977	90,750
July 2020 - September 2020.....	13,296	6,143	91,500
October 2020 - December 2020.....	13,459	6,255	91,500
Other States ¹			
October 2019 - December 2019.....	11,147	5,241	69,807
July 2020 - September 2020.....	11,160	5,229	78,407
October 2020 - December 2020.....	11,183	5,248	78,407
United States			
October 2019 - December 2019.....	232,428	107,920	1,649,750
July 2020 - September 2020.....	234,199	108,583	1,602,510
October 2020 - December 2020.....	231,485	106,987	1,580,410

¹ Alabama, Arkansas, Arizona, Hawaii, Massachusetts, Maine, and Louisiana combined to avoid disclosing individual operations.

**Flour Milling Production, and Capacity – United States: October 2020 - December 2020
with Comparisons**

Item	October - December 2019	July - September 2020	October - December 2020
All wheat			
Wheat ground for flour 1,000 bushels	232,428	234,199	231,485
Flour production 1,000 cwt	107,920	108,583	106,987
Whole wheat flour production 1,000 cwt	5,957	4,908	4,852
Millfeed production tons	1,624,974	1,678,897	1,655,982
Daily 24-hour capacity cwt	1,649,750	1,602,510	1,580,410
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	214,393	216,690	214,185
Flour production 1,000 cwt	99,416	100,279	98,784
Whole wheat production 1,000 cwt	5,797	4,774	4,705
Millfeed production tons	1,503,421	1,560,317	1,539,098
Daily 24-hour capacity cwt	1,518,420	1,470,780	1,448,680
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	18,035	17,509	17,300
Durum flour and semolina production 1,000 cwt	8,504	8,304	8,203
Whole wheat durum flour and semolina production 1,000 cwt	160	134	147
Millfeed production tons	121,553	118,580	116,884
Daily 24-hour capacity cwt	131,330	131,730	131,730
Rye			
Rye ground for flour 1,000 bushels	456	452	474
Flour production 1,000 cwt	214	210	216
Millfeed production tons	(D)	848	959
Daily 24-hour capacity cwt	9,785	9,655	9,655

(D) Withheld to avoid disclosing data for individual operations.

Statistical Methodology

Survey Procedures: *Flour Milling Products* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Data are collected from all known mills that produce wheat or rye flour.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of wheat or rye flour production in 2014. The operation profile also documented the manner in which the firm will report. A firm headquarters can report for all milling locations or each location can report separately.

In the Flour Milling Products survey questionnaires, mills are asked for previous quarter data on wheat and rye ground for flour, and production of flour, whole wheat flour, and millfeed. Quarters are based on a calendar year with the following definitions: first quarter – January through March; second quarter – April through June; third quarter – July through September; fourth quarter – October through December. Mills are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National or Regional totals.

Revision Policy: Data are revised the following quarter based on late reports or corrected data. Final figures are published in the annual summary of the following year.

Reliability: Approximately 165 reports are received each month which represent about 99 percent of total capacity. Quarterly data can vary due to different firms reporting quarter to quarter. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov

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James Johanson – Barley, County Estimates, Hay	(202) 690-8533
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- Cornell’s Mann Library has launched a new website housing NASS’s and other agencies archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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