



Flour Milling Products

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Highlights

First Quarter 2019, January through March, contained 90 days.

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

First Quarter 2020, January through March, contained 91 days.

All wheat ground for flour during the first quarter 2020 was 232 million bushels, down slightly from the fourth quarter 2019 grind of 232 million bushels but up 4 percent from the first quarter 2019 grind of 223 million bushels. First quarter 2020 total flour production was 107 million hundredweight, down 1 percent from the fourth quarter 2019 but up 4 percent from the first quarter 2019. Whole wheat flour production, at 5.90 million hundredweight during the first quarter 2020, accounted for 6 percent of the total flour production. Millfeed production from wheat in the first quarter 2020 was 1.65 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2020 was 1.61 million hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2020 totaled 17.3 million bushels, down 4 percent from the fourth quarter 2019 but up 5 percent from the first quarter 2019. First quarter 2020 durum flour and semolina production was 8.14 million hundredweight, down 4 percent from the fourth quarter 2019 but up 3 percent from the first quarter 2019. Whole wheat durum flour and semolina production was 171,000 hundredweight, up 7 percent from 160,000 hundredweight in the fourth quarter 2019 and up 14 percent from 150,000 hundredweight from the first quarter 2019. First quarter durum wheat millfeed production was 117,200 tons and the daily 24-hour milling capacity for durum and semolina production was 131,330 hundredweight.

Rye ground for flour during the first quarter of 2020 was 523,000 bushels, up 15 percent from the fourth quarter 2019 and up 22 percent from the first quarter 2019. Rye flour production during the first quarter of 2020 was 242,000 hundredweight, compared to 214,000 hundredweight in the previous quarter and 210,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,785 hundredweight for the first quarter 2020.

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January 2019 - March 2019.....	16,870	7,826	122,171
October 2019 - December 2019.....	17,370	8,133	121,100
January 2020 - March 2020.....	17,488	8,172	121,100
Colorado and Oklahoma			
January 2019 - March 2019.....	6,673	3,248	59,280
October 2019 - December 2019.....	8,050	3,875	59,280
January 2020 - March 2020.....	7,255	3,483	59,280
Florida, Georgia, and South Carolina			
January 2019 - March 2019.....	9,717	4,473	64,000
October 2019 - December 2019.....	8,684	3,996	57,600
January 2020 - March 2020.....	9,243	4,249	57,600
Idaho, Montana, Oregon, Utah, and Washington			
January 2019 - March 2019.....	15,907	7,319	125,787
October 2019 - December 2019.....	15,850	7,312	125,787
January 2020 - March 2020.....	16,995	7,839	125,787
Illinois, Indiana, and Wisconsin			
January 2019 - March 2019.....	22,747	10,619	146,252
October 2019 - December 2019.....	24,133	11,529	176,252
January 2020 - March 2020.....	24,825	11,662	162,552
Iowa and Nebraska			
January 2019 - March 2019.....	7,570	3,514	56,744
October 2019 - December 2019.....	8,482	3,884	56,744
January 2020 - March 2020.....	8,843	3,952	56,744
Kansas			
January 2019 - March 2019.....	14,327	6,657	117,132
October 2019 - December 2019.....	14,599	6,786	111,132
January 2020 - March 2020.....	15,247	7,197	111,132
Kentucky and Tennessee			
January 2019 - March 2019.....	8,265	3,828	52,650
October 2019 - December 2019.....	8,990	4,174	52,500
January 2020 - March 2020.....	9,278	4,296	52,500
Maryland and Virginia			
January 2019 - March 2019.....	6,798	3,032	52,692
October 2019 - December 2019.....	6,786	3,083	52,692
January 2020 - March 2020.....	6,321	2,871	48,692
Michigan			
January 2019 - March 2019.....	5,970	2,767	39,700
October 2019 - December 2019.....	5,602	2,540	39,700
January 2020 - March 2020.....	5,186	2,351	39,700
Minnesota			
January 2019 - March 2019.....	13,490	6,220	120,220
October 2019 - December 2019.....	13,923	6,473	111,460
January 2020 - March 2020.....	11,822	5,506	93,460
Missouri			
January 2019 - March 2019.....	13,118	6,025	92,800
October 2019 - December 2019.....	13,718	6,406	92,800
January 2020 - March 2020.....	13,423	6,220	92,800
New Jersey and New York			
January 2019 - March 2019.....	12,839	6,068	102,150
October 2019 - December 2019.....	14,635	6,796	103,350
January 2020 - March 2020.....	13,264	6,288	103,350

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
North Carolina			
January 2019 - March 2019.....	8,223	3,703	61,496
October 2019 - December 2019.....	8,086	3,665	61,496
January 2020 - March 2020.....	7,812	3,521	61,496
North Dakota			
January 2019 - March 2019.....	13,680	6,398	93,500
October 2019 - December 2019.....	14,321	6,491	93,500
January 2020 - March 2020.....	14,431	6,557	93,500
Ohio			
January 2019 - March 2019.....	12,626	5,751	92,900
October 2019 - December 2019.....	13,042	5,872	88,400
January 2020 - March 2020.....	13,827	5,950	88,400
Pennsylvania			
January 2019 - March 2019.....	12,093	5,629	87,800
October 2019 - December 2019.....	12,415	5,687	85,400
January 2020 - March 2020.....	12,477	5,691	85,400
Texas			
January 2019 - March 2019.....	12,488	5,792	90,750
October 2019 - December 2019.....	12,595	5,977	90,750
January 2020 - March 2020.....	13,134	6,172	90,750
Other States ¹			
January 2019 - March 2019.....	9,949	4,731	69,807
October 2019 - December 2019.....	11,147	5,241	69,807
January 2020 - March 2020.....	11,293	5,295	69,807
United States			
January 2019 - March 2019.....	223,350	103,600	1,647,831
October 2019 - December 2019.....	232,428	107,920	1,649,750
January 2020 - March 2020.....	232,164	107,272	1,614,050

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

Flour Milling Production, and Capacity – United States: January 2020 - March 2020 with Comparisons

Item	January - March 2019	October - December 2019	January - March 2020
All wheat			
Wheat ground for flour1,000 bushels	223,350	232,428	232,164
Flour production1,000 cwt	103,600	107,920	107,272
Whole wheat flour production1,000 cwt	5,498	5,957	5,904
Millfeed production tons	1,582,201	1,624,974	1,645,973
Daily 24-hour capacity..... cwt	1,647,831	1,649,750	1,614,050
Wheat, excluding durum			
Wheat ground for flour1,000 bushels	206,880	214,393	214,848
Flour production1,000 cwt	95,695	99,416	99,132
Whole wheat production1,000 cwt	5,348	5,797	5,733
Millfeed production tons	1,467,928	1,503,421	1,528,773
Daily 24-hour capacity..... cwt	1,516,501	1,518,420	1,482,720
Wheat, durum			
Wheat ground for flour and semolina1,000 bushels	16,470	18,035	17,316
Durum flour and semolina production1,000 cwt	7,905	8,504	8,140
Whole wheat durum flour and semolina production.....1,000 cwt	150	160	171
Millfeed production tons	114,273	121,553	117,200
Daily 24-hour capacity..... cwt	131,330	131,330	131,330
Rye			
Rye ground for flour1,000 bushels	427	456	523
Flour production1,000 cwt	210	214	242
Millfeed production tons	(D)	(D)	(D)
Daily 24-hour capacity..... cwt	9,785	9,785	9,785

(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@nass.usda.gov.

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- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s 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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