



Flour Milling Products

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Highlights

First Quarter 2018, January through March, contained 90 days.

Fourth Quarter 2018, October through December, contained 92 days.

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

All wheat ground for flour during the first quarter 2019 was 223 million bushels, down 4 percent from the fourth quarter 2018 grind of 232 million bushels and down 2 percent from the first quarter 2018 grind of 227 million bushels. First quarter 2019 total flour production was 104 million hundredweight, down 4 percent from the fourth quarter 2018 and down 2 percent from the first quarter 2018. Whole wheat flour production, at 4.81 million hundredweight during the first quarter 2019, accounted for 5 percent of the total flour production. Millfeed production from wheat in the first quarter 2019 was 1.58 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2019 was 1.65 million hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2019 totaled 16.5 million bushels, down 6 percent from the fourth quarter 2018 and down 4 percent from the first quarter 2018. First quarter 2019 durum flour and semolina production was 7.90 million hundredweight, down 5 percent from the fourth quarter 2018 and down 3 percent from the first quarter 2018. Whole wheat durum flour and semolina production was 150,000 hundredweight, down 6 percent from 160,000 hundredweight in the fourth quarter 2018 and down 16 percent from 179,000 hundredweight from the first quarter 2018. First quarter durum wheat millfeed production was 114,243 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 2019 was 425,000 bushels, down 3 percent from the fourth quarter 2018 and down 11 percent from the first quarter 2018. Rye flour production during the first quarter of 2019 was 209,000 hundredweight, compared to 210,000 hundredweight in the previous quarter and 234,000 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 2019.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2019 - March 2019 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January 2018 - March 2018	16,753	7,834	122,171
October 2018 - December 2018	16,665	7,777	122,171
January 2019 - March 2019	16,870	7,826	122,171
Colorado and Oklahoma			
January 2018 - March 2018	6,190	3,043	59,280
October 2018 - December 2018	6,980	3,387	59,280
January 2019 - March 2019	6,669	3,246	59,280
Florida, Georgia, and South Carolina			
January 2018 - March 2018	9,795	4,485	64,000
October 2018 - December 2018	9,385	4,309	64,000
January 2019 - March 2019	9,717	4,473	64,000
Idaho, Montana, Oregon, Utah, and Washington			
January 2018 - March 2018	16,685	7,806	133,787
October 2018 - December 2018	16,922	7,888	125,787
January 2019 - March 2019	15,870	7,312	125,787
Illinois, Indiana, and Wisconsin			
January 2018 - March 2018	21,985	10,566	146,252
October 2018 - December 2018	22,532	10,603	146,252
January 2019 - March 2019	22,747	10,619	146,252
Iowa and Nebraska			
January 2018 - March 2018	8,216	3,684	56,744
October 2018 - December 2018	8,373	3,797	56,744
January 2019 - March 2019	7,569	3,514	56,744
Kansas			
January 2018 - March 2018	14,780	6,838	117,132
October 2018 - December 2018	15,284	7,091	117,132
January 2019 - March 2019	14,327	6,655	117,132
Kentucky and Tennessee			
January 2018 - March 2018	8,424	3,926	52,650
October 2018 - December 2018	8,577	4,019	52,650
January 2019 - March 2019	8,265	3,828	52,650
Maryland and Virginia			
January 2018 - March 2018	7,007	3,185	55,192
October 2018 - December 2018	6,845	3,090	55,192
January 2019 - March 2019	6,798	3,032	55,192
Michigan			
January 2018 - March 2018	6,358	2,904	39,700
October 2018 - December 2018	6,089	2,791	39,700
January 2019 - March 2019	5,970	2,767	39,700
Minnesota			
January 2018 - March 2018	14,664	6,772	120,120
October 2018 - December 2018	14,416	6,549	120,220
January 2019 - March 2019	13,490	6,220	120,220
Missouri			
January 2018 - March 2018	13,011	5,968	84,800
October 2018 - December 2018	13,414	6,213	84,800
January 2019 - March 2019	13,118	6,025	92,800
New Jersey and New York			
January 2018 - March 2018	13,339	6,310	102,150
October 2018 - December 2018	13,865	6,552	102,150
January 2019 - March 2019	12,839	6,068	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2019 - March 2019 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 2018 - March 2018	7,905	3,567	61,496
October 2018 - December 2018.....	7,710	3,527	61,496
January 2019 - March 2019	8,223	3,703	61,496
North Dakota			
January 2018 - March 2018	14,080	6,599	92,500
October 2018 - December 2018.....	16,117	7,528	93,500
January 2019 - March 2019	13,680	6,398	93,500
Ohio			
January 2018 - March 2018	14,041	6,162	92,900
October 2018 - December 2018.....	13,334	6,103	92,900
January 2019 - March 2019	12,808	5,809	92,900
Pennsylvania			
January 2018 - March 2018	11,855	5,557	90,200
October 2018 - December 2018.....	12,435	5,851	87,800
January 2019 - March 2019	12,093	5,629	87,800
Texas			
January 2018 - March 2018	11,742	5,506	80,750
October 2018 - December 2018.....	12,701	5,896	90,750
January 2019 - March 2019	12,488	5,792	90,750
Other States ¹			
January 2018 - March 2018	10,317	4,900	69,807
October 2018 - December 2018.....	10,017	4,747	69,807
January 2019 - March 2019	9,949	4,731	69,807
United States			
January 2018 - March 2018	227,147	105,612	1,641,631
October 2018 - December 2018.....	231,661	107,718	1,642,331
January 2019 - March 2019	223,490	103,647	1,650,331

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

Flour Milling Production, and Capacity – United States: January 2019 - March 2019 with Comparisons

Item	January - March 2018	October - December 2018	January - March 2019
All wheat			
Wheat ground for flour 1,000 bushels	227,147	231,661	223,490
Flour production 1,000 cwt	105,612	107,718	103,647
Whole wheat flour production 1,000 cwt	5,711	5,531	4,809
Millfeed production tons	1,606,569	1,628,348	1,581,440
Daily 24-hour capacity cwt	1,641,631	1,642,331	1,650,331
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	210,033	214,123	207,023
Flour production 1,000 cwt	97,456	99,418	95,744
Whole wheat production 1,000 cwt	5,532	5,371	4,659
Millfeed production tons	1,488,631	1,507,511	1,467,197
Daily 24-hour capacity cwt	1,518,401	1,519,001	1,519,001
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	17,114	17,538	16,467
Durum flour and semolina production 1,000 cwt	8,156	8,300	7,903
Whole wheat durum flour and semolina production 1,000 cwt	179	160	150
Millfeed production tons	117,938	120,837	114,243
Daily 24-hour capacity cwt	123,230	123,330	131,330
Rye			
Rye ground for flour 1,000 bushels	476	436	425
Flour production 1,000 cwt	234	210	209
Millfeed production tons	(D)	(D)	(D)
Daily 24-hour capacity cwt	9,385	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@nass.usda.gov.

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