



Flour Milling Products

ISSN: 2378-2498

Released August 1, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

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

Second Quarter 2019, April through June, contained 91 days.

All wheat ground for flour during the second quarter 2019 was 225 million bushels, up 1 percent from the first quarter 2019 grind of 223 million bushels but down 1 percent from the second quarter 2018 grind of 227 million bushels. Second quarter 2019 total flour production was 104 million hundredweight, up less than 1 percent from the first quarter 2019 but down 1 percent from the second quarter 2018. Whole wheat flour production at 5.27 million hundredweight during the second quarter 2019, accounted for 5 percent of the total flour production. Millfeed production from wheat in the second quarter 2019 was 1.62 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2019 was 1.65 million hundredweight.

Durum wheat ground for flour and semolina production during the second quarter of 2019 totaled 16.0 million bushels, down 3 percent from the first quarter 2019 but up 2 percent from the second quarter 2018. Second quarter 2019 durum flour and semolina production was 7.62 million hundredweight, down 4 percent from the first quarter 2019 but up slightly from the second quarter 2018. Whole wheat durum flour and semolina production was 134 thousand hundredweight, down 11 percent from 150 thousand hundredweight in the first quarter 2019 but up 3 percent from 130 thousand hundredweight from the second quarter 2018. Second quarter durum wheat millfeed production was 111 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 131 thousand hundredweight.

Rye ground for flour during the second quarter of 2019 was 414 thousand bushels, down 3 percent from the first quarter 2019 and down 12 percent from the second quarter 2018. Rye flour production during the second quarter of 2019 was 204 thousand hundredweight, compared to 210 thousand hundredweight in the previous quarter and 225 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9.79 thousand hundredweight for the second quarter 2019.

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
April 2018 - June 2018	16,968	7,918	122,171
January 2019 - March 2019	16,870	7,826	122,171
April 2019 - June 2019	16,814	7,896	121,100
Colorado and Oklahoma			
April 2018 - June 2018	6,367	3,087	59,280
January 2019 - March 2019	6,673	3,248	59,280
April 2019 - June 2019	7,087	3,391	59,280
Florida, Georgia, and South Carolina			
April 2018 - June 2018	9,396	4,374	64,000
January 2019 - March 2019	9,717	4,473	64,000
April 2019 - June 2019	9,421	4,306	64,000
Idaho, Montana, Oregon, Utah, and Washington			
April 2018 - June 2018	17,057	7,957	133,787
January 2019 - March 2019	15,907	7,319	125,787
April 2019 - June 2019	15,504	7,115	125,787
Illinois, Indiana, and Wisconsin			
April 2018 - June 2018	21,733	10,291	146,252
January 2019 - March 2019	22,747	10,619	146,252
April 2019 - June 2019	20,857	9,716	146,252
Iowa and Nebraska			
April 2018 - June 2018	7,746	3,605	56,744
January 2019 - March 2019	7,570	3,514	56,744
April 2019 - June 2019	8,137	3,680	56,744
Kansas			
April 2018 - June 2018	14,829	6,837	117,132
January 2019 - March 2019	14,327	6,657	117,132
April 2019 - June 2019	15,374	7,121	117,132
Kentucky and Tennessee			
April 2018 - June 2018	8,601	3,974	52,650
January 2019 - March 2019	8,265	3,828	52,650
April 2019 - June 2019	8,850	3,889	52,650
Maryland and Virginia			
April 2018 - June 2018	6,472	3,061	55,192
January 2019 - March 2019	6,798	3,032	52,692
April 2019 - June 2019	6,614	2,962	52,692
Michigan			
April 2018 - June 2018	6,394	2,919	39,700
January 2019 - March 2019	5,970	2,767	39,700
April 2019 - June 2019	6,087	2,805	39,700
Minnesota			
April 2018 - June 2018	14,350	6,600	120,220
January 2019 - March 2019	13,490	6,220	120,220
April 2019 - June 2019	13,973	6,510	120,220
Missouri			
April 2018 - June 2018	12,082	5,558	84,800
January 2019 - March 2019	13,118	6,025	92,800
April 2019 - June 2019	12,329	5,666	92,800
New Jersey and New York			
April 2018 - June 2018	13,373	6,271	102,150
January 2019 - March 2019	12,839	6,068	102,150
April 2019 - June 2019	13,476	6,268	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2019 - June 2019 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
April 2018 - June 2018.....	8,255	3,741	61,496
January 2019 - March 2019	8,223	3,703	61,496
April 2019 - June 2019.....	8,152	3,659	61,496
North Dakota			
April 2018 - June 2018.....	13,909	6,496	93,500
January 2019 - March 2019	13,680	6,398	93,500
April 2019 - June 2019.....	13,749	6,330	93,500
Ohio			
April 2018 - June 2018.....	13,627	6,027	92,900
January 2019 - March 2019	12,626	5,751	92,900
April 2019 - June 2019.....	12,836	5,847	92,900
Pennsylvania			
April 2018 - June 2018.....	12,552	5,904	90,200
January 2019 - March 2019	12,093	5,629	87,800
April 2019 - June 2019.....	12,232	5,734	87,800
Texas			
April 2018 - June 2018.....	12,308	5,682	80,750
January 2019 - March 2019	12,488	5,792	90,750
April 2019 - June 2019.....	12,743	5,930	90,750
Other States ¹			
April 2018 - June 2018.....	10,608	5,002	69,807
January 2019 - March 2019	9,949	4,731	69,807
April 2019 - June 2019.....	10,821	5,104	69,807
United States			
April 2018 - June 2018.....	226,627	105,304	1,642,731
January 2019 - March 2019	223,350	103,600	1,647,831
April 2019 - June 2019.....	225,056	103,929	1,646,760

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

Flour Milling Production, and Capacity – United States: April 2019 - June 2019 with Comparisons

Item	April - June 2018	January - March 2019	April - June 2019
All wheat			
Wheat ground for flour 1,000 bushels	226,627	223,350	225,056
Flour production 1,000 cwt	105,304	103,600	103,929
Whole wheat flour production 1,000 cwt	5,386	4,855	5,271
Millfeed production tons	1,594,864	1,582,201	1,618,622
Daily 24-hour capacity cwt	1,642,731	1,647,831	1,646,760
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	210,870	206,880	209,039
Flour production 1,000 cwt	97,686	95,695	96,307
Whole wheat production 1,000 cwt	5,256	4,705	5,137
Millfeed production tons	1,487,812	1,467,928	1,507,853
Daily 24-hour capacity cwt	1,519,401	1,516,501	1,515,430
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	15,757	16,470	16,017
Durum flour and semolina production 1,000 cwt	7,618	7,905	7,622
Whole wheat durum flour and semolina production 1,000 cwt	130	150	134
Millfeed production tons	107,052	114,273	110,769
Daily 24-hour capacity cwt	123,330	131,330	131,330
Rye			
Rye ground for flour 1,000 bushels	471	427	414
Flour production 1,000 cwt	225	210	204
Millfeed production tons	1,189	(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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- 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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