



# Flour Milling Products

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## Highlights

**Third Quarter 2019**, July through September, contained 92 days.

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

**All wheat** ground for flour during the fourth quarter 2019 was 232 million bushels, up less than 1 percent from the third quarter 2019 grind of 232 million bushels and up less than 1 percent from the fourth quarter 2018 grind of 232 million bushels. Fourth quarter 2019 total flour production was 108 million hundredweight, up 1 percent from the third quarter 2019 and up less than 1 percent from the fourth quarter 2018. Whole wheat flour production at 5.96 million hundredweight during the fourth quarter 2019 accounted for 6 percent of the total flour production. Millfeed production from wheat in the fourth quarter 2019 was 1.62 million tons. The daily 24-hour milling capacity of wheat flour during the fourth quarter 2019 was 1.65 million hundredweight.

**Durum wheat** ground for flour and semolina production during the fourth quarter of 2019 totaled 18.0 million bushels, up 13 percent from the third quarter 2019 and up 3 percent from the fourth quarter 2018. Fourth quarter 2019 durum flour and semolina production was 8.50 million hundredweight, up 13 percent from the third quarter 2019 and up 2 percent from the fourth quarter 2018. Whole wheat durum flour and semolina production was 160,000 hundredweight, down 20 percent from 200,000 hundredweight in the third quarter 2019 but unchanged from 160,000 hundredweight from the fourth quarter 2018. Fourth quarter durum wheat millfeed production was 121,553 tons and the daily 24-hour milling capacity for durum and semolina production was 131,330 hundredweight.

**Rye** ground for flour during the fourth quarter of 2019 was 456,000 bushels, down 1 percent from the third quarter 2019 but up 5 percent from the fourth quarter 2018. Rye flour production during the fourth quarter of 2019 was 214,000 hundredweight, compared to 218,000 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 fourth quarter 2019.

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>California</b>			
October 2018 - December 2018 .....	16,665	7,777	122,171
July 2019 - September 2019 .....	17,046	7,916	121,100
October 2019 - December 2019 .....	17,370	8,133	121,100
<b>Colorado and Oklahoma</b>			
October 2018 - December 2018 .....	6,980	3,387	59,280
July 2019 - September 2019 .....	7,789	3,678	59,280
October 2019 - December 2019 .....	8,050	3,875	59,280
<b>Florida, Georgia, and South Carolina</b>			
October 2018 - December 2018 .....	9,385	4,309	64,000
July 2019 - September 2019 .....	9,015	4,166	64,000
October 2019 - December 2019 .....	8,684	3,996	57,600
<b>Idaho, Montana, Oregon, Utah, and Washington</b>			
October 2018 - December 2018 .....	16,922	7,888	125,787
July 2019 - September 2019 .....	15,474	7,161	125,787
October 2019 - December 2019 .....	15,850	7,312	125,787
<b>Illinois, Indiana, and Wisconsin</b>			
October 2018 - December 2018 .....	22,532	10,603	146,252
July 2019 - September 2019 .....	24,158	11,282	176,252
October 2019 - December 2019 .....	24,133	11,529	176,252
<b>Iowa and Nebraska</b>			
October 2018 - December 2018 .....	8,373	3,797	56,744
July 2019 - September 2019 .....	8,536	3,885	56,744
October 2019 - December 2019 .....	8,482	3,884	56,744
<b>Kansas</b>			
October 2018 - December 2018 .....	15,284	7,091	117,132
July 2019 - September 2019 .....	15,152	7,016	117,132
October 2019 - December 2019 .....	14,599	6,786	111,132
<b>Kentucky and Tennessee</b>			
October 2018 - December 2018 .....	8,577	4,019	52,650
July 2019 - September 2019 .....	9,144	4,260	52,500
October 2019 - December 2019 .....	8,990	4,174	52,500
<b>Maryland and Virginia</b>			
October 2018 - December 2018 .....	6,845	3,090	55,192
July 2019 - September 2019 .....	7,021	3,159	52,692
October 2019 - December 2019 .....	6,786	3,083	52,692
<b>Michigan</b>			
October 2018 - December 2018 .....	6,089	2,791	39,700
July 2019 - September 2019 .....	5,718	2,573	39,700
October 2019 - December 2019 .....	5,602	2,540	39,700
<b>Minnesota</b>			
October 2018 - December 2018 .....	14,416	6,549	120,220
July 2019 - September 2019 .....	13,919	6,454	120,220
October 2019 - December 2019 .....	13,923	6,473	111,460
<b>Missouri</b>			
October 2018 - December 2018 .....	13,414	6,213	84,800
July 2019 - September 2019 .....	13,195	6,030	92,800
October 2019 - December 2019 .....	13,718	6,406	92,800
<b>New Jersey and New York</b>			
October 2018 - December 2018 .....	13,865	6,552	102,150
July 2019 - September 2019 .....	14,035	6,450	102,150
October 2019 - December 2019 .....	14,635	6,796	103,350

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
October 2019 - December 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			
October 2018 - December 2018.....	7,710	3,527	61,496
July 2019 - September 2019.....	8,312	3,752	61,496
October 2019 - December 2019.....	8,086	3,665	61,496
North Dakota			
October 2018 - December 2018.....	16,117	7,528	93,500
July 2019 - September 2019.....	14,105	6,339	93,500
October 2019 - December 2019.....	14,321	6,491	93,500
Ohio			
October 2018 - December 2018.....	13,334	6,103	92,900
July 2019 - September 2019.....	12,741	5,765	92,900
October 2019 - December 2019.....	13,042	5,872	88,400
Pennsylvania			
October 2018 - December 2018.....	12,435	5,851	87,800
July 2019 - September 2019.....	12,489	5,781	85,400
October 2019 - December 2019.....	12,415	5,687	85,400
Texas			
October 2018 - December 2018.....	12,701	5,896	90,750
July 2019 - September 2019.....	12,967	6,058	90,750
October 2019 - December 2019.....	12,595	5,977	90,750
Other States <sup>1</sup>			
October 2018 - December 2018.....	10,017	4,747	69,807
July 2019 - September 2019.....	10,959	5,103	69,807
October 2019 - December 2019.....	11,147	5,241	69,807
United States			
October 2018 - December 2018.....	231,661	107,718	1,642,331
July 2019 - September 2019.....	231,775	106,828	1,674,210
October 2019 - December 2019.....	232,428	107,920	1,649,750

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

**Flour Milling Production, and Capacity – United States: October 2019 - December 2019  
with Comparisons**

Item	October - December 2018	July - September 2019	October - December 2019
<b>All wheat</b>			
Wheat ground for flour ..... 1,000 bushels	231,661	231,775	232,428
Flour production ..... 1,000 cwt	107,718	106,828	107,920
Whole wheat flour production ..... 1,000 cwt	5,531	4,924	5,957
Millfeed production ..... tons	1,628,348	1,659,494	1,624,974
Daily 24-hour capacity ..... cwt	1,642,331	1,674,210	1,649,750
<b>Wheat, excluding durum</b>			
Wheat ground for flour ..... 1,000 bushels	214,123	215,847	214,393
Flour production ..... 1,000 cwt	99,418	99,327	99,416
Whole wheat production ..... 1,000 cwt	5,371	4,724	5,797
Millfeed production ..... tons	1,507,511	1,551,290	1,503,421
Daily 24-hour capacity ..... cwt	1,519,001	1,542,880	1,518,420
<b>Wheat, durum</b>			
Wheat ground for flour and semolina ..... 1,000 bushels	17,538	15,928	18,035
Durum flour and semolina production ..... 1,000 cwt	8,300	7,501	8,504
Whole wheat durum flour and semolina production ..... 1,000 cwt	160	200	160
Millfeed production ..... tons	120,837	108,204	121,553
Daily 24-hour capacity ..... cwt	123,330	131,330	131,330
<b>Rye</b>			
Rye ground for flour ..... 1,000 bushels	436	462	456
Flour production ..... 1,000 cwt	210	218	214
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](mailto:nass@nass.usda.gov).

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Jeff Lemmons – Oats, Soybeans .....	(202) 690-3234
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- 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](mailto: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](mailto:nass@usda.gov).

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