



Flour Milling Products

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Highlights

Third Quarter 2018, July through September, contained 92 days.

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

All wheat ground for flour during the fourth quarter 2018 was 232 million bushels, down 1 percent from the third quarter 2018 grind of 233 million bushels and down 1 percent from the fourth quarter 2017 grind of 235 million bushels. Fourth quarter 2018 total flour production was 108 million hundredweight, down slightly from the third quarter 2018 and down 1 percent from the fourth quarter 2017. Whole wheat flour production, at 5.53 million hundredweight during the fourth quarter 2018, accounted for 5 percent of the total flour production. Millfeed production from wheat in the fourth quarter 2018 was 1.63 million tons. The daily 24-hour milling capacity of wheat flour during the fourth quarter 2018 was 1.65 million hundredweight.

Durum wheat ground for flour and semolina production during the fourth quarter of 2018 totaled 17.5 million bushels, up 5 percent from the third quarter 2018 and up 1 percent from the fourth quarter 2017. Fourth quarter 2018 durum flour and semolina production was 8.30 million hundredweight, up 5 percent from the third quarter 2018 but down 1 percent from the fourth quarter 2017. Whole wheat durum flour and semolina production was 160 thousand hundredweight, up 19 percent from 135 thousand hundredweight in the third quarter 2018 and up 31 percent from 122 thousand hundredweight from the fourth quarter 2017. Fourth quarter durum wheat millfeed production was 121 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 123 thousand hundredweight.

Rye ground for flour during the fourth quarter of 2018 was 436 thousand bushels, down 2 percent from the third quarter 2018 and down 12 percent from the fourth quarter 2017. Rye flour production during the fourth quarter of 2018 was 210 thousand hundredweight, compared to 211 thousand hundredweight in the previous quarter and 240 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 fourth quarter 2018.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2018 - December 2018 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
October 2017 - December 2017	16,939	7,783	120,671
July 2018 - September 2018	16,816	7,853	122,171
October 2018 - December 2018	16,665	7,777	122,171
Colorado and Oklahoma			
October 2017 - December 2017	7,215	3,495	59,280
July 2018 - September 2018	6,901	3,384	59,280
October 2018 - December 2018	6,980	3,387	59,280
Florida, Georgia, and South Carolina			
October 2017 - December 2017	9,805	4,527	64,000
July 2018 - September 2018	9,738	4,500	64,000
October 2018 - December 2018	9,385	4,309	64,000
Idaho, Montana, Oregon, Utah, and Washington			
October 2017 - December 2017	17,240	8,101	131,540
July 2018 - September 2018	17,294	8,085	133,787
October 2018 - December 2018	16,922	7,888	133,787
Illinois, Indiana, and Wisconsin			
October 2017 - December 2017	22,456	10,614	142,252
July 2018 - September 2018	23,262	10,999	146,252
October 2018 - December 2018	22,532	10,603	146,252
Iowa and Nebraska			
October 2017 - December 2017	8,387	3,788	57,676
July 2018 - September 2018	8,591	3,833	56,744
October 2018 - December 2018	8,373	3,797	56,744
Kansas			
October 2017 - December 2017	15,598	7,171	116,032
July 2018 - September 2018	15,947	7,356	117,132
October 2018 - December 2018	15,284	7,091	117,132
Kentucky and Tennessee			
October 2017 - December 2017	8,964	4,094	52,650
July 2018 - September 2018	8,915	4,127	52,650
October 2018 - December 2018	8,577	4,019	52,650
Maryland and Virginia			
October 2017 - December 2017	7,415	3,339	52,192
July 2018 - September 2018	6,861	3,093	55,192
October 2018 - December 2018	6,845	3,090	55,192
Michigan			
October 2017 - December 2017	6,738	3,059	39,200
July 2018 - September 2018	6,106	2,813	39,700
October 2018 - December 2018	6,089	2,791	39,700
Minnesota			
October 2017 - December 2017	15,535	7,184	115,120
July 2018 - September 2018	14,784	6,808	120,220
October 2018 - December 2018	14,416	6,549	120,220
Missouri			
October 2017 - December 2017	13,675	6,152	88,185
July 2018 - September 2018	13,525	6,262	84,800
October 2018 - December 2018	13,414	6,213	84,800
New Jersey and New York			
October 2017 - December 2017	13,970	6,435	102,150
July 2018 - September 2018	13,908	6,557	102,150
October 2018 - December 2018	13,865	6,552	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2018 - December 2018 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 2017 - December 2017.....	8,083	3,697	61,496
July 2018 - September 2018.....	8,144	3,656	61,496
October 2018 - December 2018.....	7,710	3,527	61,496
North Dakota			
October 2017 - December 2017.....	13,998	6,621	92,500
July 2018 - September 2018.....	13,976	6,550	93,500
October 2018 - December 2018.....	16,117	7,528	93,500
Ohio			
October 2017 - December 2017.....	14,201	6,425	86,700
July 2018 - September 2018.....	12,880	5,797	92,900
October 2018 - December 2018.....	13,334	6,103	92,900
Pennsylvania			
October 2017 - December 2017.....	12,128	5,698	90,400
July 2018 - September 2018.....	12,346	5,858	90,200
October 2018 - December 2018.....	12,435	5,851	87,800
Texas			
October 2017 - December 2017.....	12,260	5,680	77,250
July 2018 - September 2018.....	12,383	5,728	80,750
October 2018 - December 2018.....	12,701	5,896	90,750
Other States ¹			
October 2017 - December 2017.....	10,479	4,971	70,307
July 2018 - September 2018.....	10,561	4,978	69,807
October 2018 - December 2018.....	10,017	4,747	69,807
United States			
October 2017 - December 2017.....	235,086	108,834	1,619,601
July 2018 - September 2018.....	232,938	108,237	1,642,731
October 2018 - December 2018.....	231,661	107,718	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: October 2018 - December 2018
with Comparisons**

Item	October - December 2017	July - September 2018	October - December 2018
All wheat			
Wheat ground for flour 1,000 bushels	235,086	232,938	231,661
Flour production 1,000 cwt	108,834	108,237	107,718
Whole wheat flour production 1,000 cwt	5,737	5,715	5,531
Millfeed production tons	1,641,094	1,628,236	1,628,348
Daily 24-hour capacity cwt	1,619,601	1,642,731	1,650,331
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	217,665	216,261	214,123
Flour production 1,000 cwt	100,445	100,360	99,418
Whole wheat production 1,000 cwt	5,615	5,580	5,371
Millfeed production tons	1,525,361	1,515,326	1,507,511
Daily 24-hour capacity cwt	1,492,554	1,519,401	1,527,001
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	17,421	16,677	17,538
Durum flour and semolina production 1,000 cwt	8,389	7,877	8,300
Whole wheat durum flour and semolina production 1,000 cwt	-	-	-
and semolina production 1,000 cwt	122	135	160
Millfeed production tons	115,733	112,910	120,837
Daily 24-hour capacity cwt	127,047	123,330	123,330
Rye			
Rye ground for flour 1,000 bushels	495	444	436
Flour production 1,000 cwt	240	211	210
Millfeed production tons	1,249	1,238	(D)
Daily 24-hour capacity cwt	9,385	9,785	9,785

- Represents zero.

(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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Chris Hawthorn – Corn, Flaxseed, Proso Millet	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans	(202) 690-3234
Jannety Mosley – Crop Weather, Barley.....	(202) 720-7621
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
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Chris Singh – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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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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