



Flour Milling Products

ISSN: 2378-2498

Released November 1, 2018, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

Second Quarter 2018, April through June, contained 91 days.

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

All wheat ground for flour during the third quarter 2018 was 233 million bushels, up 3 percent from the second quarter 2018 grind of 227 million bushels but down 1 percent from the third quarter 2017 grind of 234 million bushels. Third quarter 2018 total flour production was 108 million hundredweight, up 3 percent from the second quarter 2018 but down slightly from the third quarter 2017. Whole wheat flour production at 5.72 million hundredweight during the third quarter 2018 accounted for 5 percent of the total flour production. Millfeed production from wheat in the third quarter 2018 was 1.63 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2018 was 1.64 million hundredweight.

Durum wheat ground for flour and semolina production during the third quarter of 2018 totaled 16.7 million bushels, up 6 percent from the second quarter 2018 and up 3 percent from the third quarter 2017. Third quarter 2018 durum flour and semolina production was 7.88 million hundredweight, up 3 percent from the second quarter 2018 and up 1 percent from the third quarter 2017. Whole wheat durum flour and semolina production was 135 thousand hundredweight, up 4 percent from 130 thousand hundredweight in the second quarter 2018 but down 30 percent from 194 thousand hundredweight in the third quarter 2017. Third quarter durum wheat millfeed production was 113 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 123 thousand hundredweight.

Rye ground for flour during the third quarter of 2018 was 443 thousand bushels, down 6 percent from the second quarter 2018 but up 9 percent from the third quarter 2017. Rye flour production during the third quarter of 2018 was 211 thousand hundredweight, compared to 225 thousand hundredweight in the previous quarter and 206 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 third quarter 2018.

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
July 2017 - September 2017	17,403	8,029	120,671
April 2018 - June 2018	16,968	7,918	122,171
July 2018 - September 2018	16,816	7,853	122,171
Colorado and Oklahoma			
July 2017 - September 2017	7,719	3,773	59,280
April 2018 - June 2018	6,367	3,087	59,280
July 2018 - September 2018	6,901	3,384	59,280
Florida, Georgia, and South Carolina			
July 2017 - September 2017	9,831	4,498	64,000
April 2018 - June 2018	9,396	4,374	64,000
July 2018 - September 2018	9,738	4,500	64,000
Idaho, Montana, Oregon, Utah, and Washington			
July 2017 - September 2017	17,348	8,098	131,540
April 2018 - June 2018	17,057	7,957	133,787
July 2018 - September 2018	17,294	8,085	133,787
Illinois, Indiana, and Wisconsin			
July 2017 - September 2017	22,120	10,291	142,252
April 2018 - June 2018	21,733	10,291	146,252
July 2018 - September 2018	23,262	10,999	146,252
Iowa and Nebraska			
July 2017 - September 2017	8,516	3,884	57,676
April 2018 - June 2018	7,746	3,605	56,744
July 2018 - September 2018	8,591	3,833	56,744
Kansas			
July 2017 - September 2017	15,116	7,007	116,032
April 2018 - June 2018	14,829	6,837	117,132
July 2018 - September 2018	15,917	7,342	117,132
Kentucky and Tennessee			
July 2017 - September 2017	8,889	4,068	52,650
April 2018 - June 2018	8,601	3,974	52,650
July 2018 - September 2018	8,915	4,127	52,650
Maryland and Virginia			
July 2017 - September 2017	7,130	3,200	52,192
April 2018 - June 2018	6,472	3,061	55,192
July 2018 - September 2018	6,861	3,093	55,192
Michigan			
July 2017 - September 2017	6,727	3,020	39,200
April 2018 - June 2018	6,394	2,919	39,700
July 2018 - September 2018	6,106	2,813	39,700
Minnesota			
July 2017 - September 2017	15,133	7,037	115,120
April 2018 - June 2018	14,350	6,600	120,220
July 2018 - September 2018	14,784	6,808	120,220
Missouri			
July 2017 - September 2017	13,643	6,168	88,185
April 2018 - June 2018	12,082	5,558	84,800
July 2018 - September 2018	13,525	6,262	84,800
New Jersey and New York			
July 2017 - September 2017	14,119	6,612	102,150
April 2018 - June 2018	13,373	6,271	102,150
July 2018 - September 2018	13,908	6,557	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2018 - September 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			
July 2017 - September 2017	8,380	3,825	61,496
April 2018 - June 2018.....	8,255	3,741	61,496
July 2018 - September 2018.....	8,144	3,656	61,496
North Dakota			
July 2017 - September 2017	13,509	6,364	92,500
April 2018 - June 2018.....	13,909	6,496	93,500
July 2018 - September 2018.....	13,976	6,550	93,500
Ohio			
July 2017 - September 2017	13,149	5,902	86,700
April 2018 - June 2018.....	13,627	6,027	92,900
July 2018 - September 2018.....	12,880	5,797	92,900
Pennsylvania			
July 2017 - September 2017	12,542	5,895	90,400
April 2018 - June 2018.....	12,552	5,904	90,200
July 2018 - September 2018.....	12,346	5,858	90,200
Texas			
July 2017 - September 2017	12,044	5,529	77,250
April 2018 - June 2018.....	12,308	5,682	80,750
July 2018 - September 2018.....	12,383	5,728	80,750
Other States ¹			
July 2017 - September 2017	10,961	5,192	70,307
April 2018 - June 2018.....	10,608	5,002	69,807
July 2018 - September 2018.....	10,561	4,978	69,807
United States			
July 2017 - September 2017	234,279	108,392	1,619,601
April 2018 - June 2018.....	226,627	105,304	1,642,731
July 2018 - September 2018.....	232,908	108,223	1,642,731

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

Flour Milling Production, and Capacity – United States: July 2018 - September 2018 with Comparisons

Item	July - September 2017	April - June 2018	July - September 2018
All wheat			
Wheat ground for flour 1,000 bushels	234,279	226,627	232,908
Flour production 1,000 cwt	108,392	105,304	108,223
Whole wheat flour production 1,000 cwt	5,632	5,386	5,715
Millfeed production tons	1,641,303	1,594,864	1,627,944
Daily 24-hour capacity cwt	1,619,601	1,642,731	1,642,731
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	218,100	210,870	216,233
Flour production 1,000 cwt	100,604	97,686	100,346
Whole wheat production 1,000 cwt	5,438	5,256	5,580
Millfeed production tons	1,530,324	1,487,812	1,515,051
Daily 24-hour capacity cwt	1,492,554	1,519,401	1,519,401
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	16,179	15,757	16,675
Durum flour and semolina production 1,000 cwt	7,788	7,618	7,877
Whole wheat durum flour and semolina production 1,000 cwt	194	130	135
Millfeed production tons	110,979	107,052	112,893
Daily 24-hour capacity cwt	127,047	123,330	123,330
Rye			
Rye ground for flour 1,000 bushels	406	471	443
Flour production 1,000 cwt	206	225	211
Millfeed production tons	(D)	1,189	1,238
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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- 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.

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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