



Flour Milling Products

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Highlights

Third Quarter 2017, July through September, contained 92 days.

Fourth Quarter 2017, October through December, contained 92 days.

All wheat ground for flour during the fourth quarter 2017 was 235 million bushels, up slightly from the third quarter 2017 grind of 234 million bushels and up 1 percent from the fourth quarter 2016 grind of 233 million bushels. Fourth quarter 2017 total flour production was 109 million hundredweight, up slightly from the third quarter 2017 and up 1 percent from the fourth quarter 2016. Whole wheat flour production at 5.73 million hundredweight during the fourth quarter 2017 accounted for 5 percent of the total flour production. Millfeed production from wheat in the fourth quarter 2017 was 1.64 million tons. The daily 24-hour milling capacity of wheat flour during the fourth quarter 2017 was 1.62 thousand hundredweight.

Durum wheat ground for flour and semolina production during the fourth quarter of 2017 totaled 17.5 million bushels, up 8 percent from the third quarter 2017 but down 4 percent from the fourth quarter 2016. Fourth quarter 2017 durum flour and semolina production was 8.39 million hundredweight, up 8 percent from the third quarter 2017 but down 2 percent from the fourth quarter 2016. Whole wheat durum flour and semolina production was 120 thousand hundredweight, down 38 percent from 194 thousand hundredweight in the third quarter 2017 and down 35 percent from 184 thousand hundredweight from the fourth quarter 2016. Fourth quarter durum wheat millfeed production was 116 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 127 thousand hundredweight.

Rye ground for flour during the fourth quarter of 2017 was 494 thousand bushels, up 22 percent from the third quarter 2017 but down 1 percent from the fourth quarter 2016. Rye flour production during the fourth quarter of 2017 was 240 thousand hundredweight, compared to 206 thousand hundredweight in the previous quarter and 238 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9.39 thousand hundredweight for the fourth quarter 2017.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2017 - December 2017 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
October 2016 - December 2016	16,684	7,787	120,671
July 2017 - September 2017	17,403	8,029	120,671
October 2017 - December 2017	16,939	7,783	120,671
Colorado and Oklahoma			
October 2016 - December 2016	7,392	3,649	59,280
July 2017 - September 2017	7,719	3,773	59,280
October 2017 - December 2017	7,215	3,495	59,280
Florida, Georgia, and South Carolina			
October 2016 - December 2016	10,126	4,593	64,000
July 2017 - September 2017	9,831	4,498	64,000
October 2017 - December 2017	9,805	4,527	64,000
Idaho, Montana, Oregon, Utah, and Washington			
October 2016 - December 2016	17,225	8,318	131,540
July 2017 - September 2017	17,348	8,098	131,540
October 2017 - December 2017	17,236	8,098	131,540
Illinois, Indiana, and Wisconsin			
October 2016 - December 2016	21,779	10,196	142,452
July 2017 - September 2017	22,120	10,291	142,252
October 2017 - December 2017	22,456	10,614	142,252
Iowa and Nebraska			
October 2016 - December 2016	8,119	3,777	57,676
July 2017 - September 2017	8,516	3,884	57,676
October 2017 - December 2017	8,480	3,788	57,676
Kansas			
October 2016 - December 2016	14,320	6,691	116,032
July 2017 - September 2017	15,116	7,007	116,032
October 2017 - December 2017	15,598	7,171	116,032
Kentucky and Tennessee			
October 2016 - December 2016	8,757	4,102	52,650
July 2017 - September 2017	8,889	4,068	52,650
October 2017 - December 2017	8,964	4,094	52,650
Maryland and Virginia			
October 2016 - December 2016	7,344	3,296	52,192
July 2017 - September 2017	7,130	3,200	52,192
October 2017 - December 2017	7,415	3,339	52,192
Michigan			
October 2016 - December 2016	5,483	2,465	39,200
July 2017 - September 2017	6,727	3,020	39,200
October 2017 - December 2017	6,738	3,059	39,200
Minnesota			
October 2016 - December 2016	15,752	7,231	115,120
July 2017 - September 2017	15,133	7,037	115,120
October 2017 - December 2017	15,535	7,184	115,120
Missouri			
October 2016 - December 2016	13,114	5,852	88,185
July 2017 - September 2017	13,643	6,168	88,185
October 2017 - December 2017	13,675	6,152	88,185
New Jersey and New York			
October 2016 - December 2016	14,681	6,950	102,150
July 2017 - September 2017	14,119	6,612	102,150
October 2017 - December 2017	13,970	6,435	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
October 2017 - December 2017 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 2016 - December 2016.....	8,234	3,733	61,496
July 2017 - September 2017.....	8,380	3,825	61,496
October 2017 - December 2017.....	8,083	3,697	61,496
North Dakota			
October 2016 - December 2016.....	14,673	6,652	92,500
July 2017 - September 2017.....	13,509	6,364	92,500
October 2017 - December 2017.....	13,998	6,621	92,500
Ohio			
October 2016 - December 2016.....	14,081	6,364	86,700
July 2017 - September 2017.....	13,149	5,902	86,700
October 2017 - December 2017.....	14,201	6,425	86,700
Pennsylvania			
October 2016 - December 2016.....	12,245	5,685	90,400
July 2017 - September 2017.....	12,542	5,895	90,400
October 2017 - December 2017.....	12,128	5,698	90,400
Texas			
October 2016 - December 2016.....	12,312	5,734	77,250
July 2017 - September 2017.....	12,044	5,529	77,250
October 2017 - December 2017.....	12,260	5,680	77,250
Other States ¹			
October 2016 - December 2016.....	10,321	5,005	70,307
July 2017 - September 2017.....	10,961	5,192	70,307
October 2017 - December 2017.....	10,479	4,971	70,307
United States			
October 2016 - December 2016.....	232,642	108,080	1,619,801
July 2017 - September 2017.....	234,279	108,392	1,619,601
October 2017 - December 2017.....	235,175	108,831	1,619,601

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

**Flour Milling Production, and Capacity – United States: October 2017 - December 2017
with Comparisons**

Item	October - December 2016	July - September 2017	October - December 2017
All wheat			
Wheat ground for flour 1,000 bushels	232,642	234,279	235,175
Flour production 1,000 cwt	108,080	108,392	108,831
Whole wheat flour production 1,000 cwt	5,410	5,632	5,732
Millfeed production tons	1,659,496	1,641,303	1,641,102
Daily 24-hour capacity cwt	1,619,801	1,619,601	1,619,601
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	214,367	218,100	217,660
Flour production 1,000 cwt	99,526	100,604	100,442
Whole wheat production 1,000 cwt	5,226	5,438	5,612
Millfeed production tons	1,534,621	1,530,324	1,525,368
Daily 24-hour capacity cwt	1,492,754	1,492,554	1,492,554
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	18,275	16,179	17,515
Durum flour and semolina production 1,000 cwt	8,554	7,788	8,389
Whole wheat durum flour and semolina production 1,000 cwt	-	-	-
and semolina production 1,000 cwt	184	194	120
Millfeed production tons	124,875	110,979	115,734
Daily 24-hour capacity cwt	127,047	127,047	127,047
Rye			
Rye ground for flour 1,000 bushels	499	406	494
Flour production 1,000 cwt	238	206	240
Millfeed production tons	(D)	(D)	1,248
Daily 24-hour capacity cwt	9,385	9,385	9,385

- 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 Environmental, Economics, and Demographics 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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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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