



Flour Milling Products

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Special Note

The Idaho and Montana region and the Oregon, Utah, and Washington region have been consolidated into one region for 2016. For historical comparisons to the 2015 calendar year, the regions will be published individually and in the new consolidated format on Quick Stats for 2015.

Highlights

First Quarter 2015, January through March, contained 90 days.

Fourth Quarter 2015, October through December, contained 92 days.

First Quarter 2016, January through March, contained 91 days.

All wheat ground for flour during the first quarter 2016 was 224.2 million bushels, down 5 percent from the fourth quarter 2015 grind of 235.9 million bushels and down slightly from the first quarter 2015 grind of 225.3 million bushels. First quarter 2016 total flour production was 103.9 million hundredweight, down 4 percent from the fourth quarter 2015 but up 1 percent from the first quarter 2015. Whole wheat flour production at 5.5 million hundredweight during the first quarter 2016 accounted for 5 percent of the total flour production. Millfeed production from wheat in the first quarter 2016 was 1.60 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2016 was 1,618 thousand hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2016 totaled 16.7 million bushels, down 4 percent from the fourth quarter 2015 but up 2 percent from the first quarter 2015. First quarter 2016 durum flour and semolina production was 7.7 million hundredweight, down 6 percent from the fourth quarter 2015 but up slightly from the first quarter 2015. Whole wheat durum flour and semolina production was 209 thousand hundredweight, up 11 percent from 189 thousand hundredweight in the fourth quarter 2015 and up 35 percent from 155 thousand hundredweight from the first quarter 2015. First quarter durum wheat millfeed production was 113.3 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 128 thousand hundredweight.

Rye ground for flour during the first quarter of 2016 was 546 thousand bushels, down 1 percent from the fourth quarter 2015 but up slightly from the first quarter 2015. Rye flour production during the first quarter of 2016 was 266 thousand hundredweight, compared to 261 thousand hundredweight in the previous quarter and 256 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9 thousand hundredweight for the first quarter 2016.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2016 - March 2016 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January 2015 - March 2015	15,643	7,389	120,671
October 2015 - December 2015	16,478	7,637	120,671
January 2016 - March 2016	16,269	7,609	120,671
Colorado and Oklahoma			
January 2015 - March 2015	7,567	3,572	59,300
October 2015 - December 2015	7,660	3,626	59,280
January 2016 - March 2016	7,635	3,727	59,280
Florida, Georgia, and South Carolina			
January 2015 - March 2015	11,348	5,138	64,100
October 2015 - December 2015	10,128	4,693	64,000
January 2016 - March 2016	10,009	4,688	64,000
Idaho, Montana, Oregon, Utah, and Washington			
January 2015 - March 2015	16,637	7,727	128,108
October 2015 - December 2015	17,690	8,103	130,708
January 2016 - March 2016	16,087	7,587	130,708
Illinois, Indiana, and Wisconsin			
January 2015 - March 2015	21,137	9,718	132,472
October 2015 - December 2015	22,377	10,344	142,452
January 2016 - March 2016	21,200	10,006	142,452
Iowa and Nebraska			
January 2015 - March 2015	8,751	3,993	64,376
October 2015 - December 2015	9,047	4,188	64,376
January 2016 - March 2016	8,215	3,787	64,376
Kansas			
January 2015 - March 2015	13,626	6,293	116,532
October 2015 - December 2015	15,796	7,257	116,032
January 2016 - March 2016	14,236	6,588	116,032
Kentucky and Tennessee			
January 2015 - March 2015	9,363	4,265	52,650
October 2015 - December 2015	8,720	3,933	52,650
January 2016 - March 2016	8,600	3,953	52,650
Maryland and Virginia			
January 2015 - March 2015	7,707	3,427	52,192
October 2015 - December 2015	7,488	3,361	52,192
January 2016 - March 2016	7,523	3,312	52,192
Michigan			
January 2015 - March 2015	5,398	2,399	39,200
October 2015 - December 2015	5,667	2,742	38,900
January 2016 - March 2016	5,779	2,591	39,200
Minnesota			
January 2015 - March 2015	14,626	6,681	117,520
October 2015 - December 2015	15,927	7,371	115,120
January 2016 - March 2016	14,754	6,841	115,120
Missouri			
January 2015 - March 2015	12,266	5,514	88,185
October 2015 - December 2015	13,531	6,247	88,185
January 2016 - March 2016	12,546	5,580	88,185
New Jersey and New York			
January 2015 - March 2015	14,076	6,583	102,230
October 2015 - December 2015	14,166	6,528	102,130
January 2016 - March 2016	13,458	6,396	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2016 - March 2016 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
January 2015 - March 2015	7,075	3,230	61,596
October 2015 - December 2015.....	7,767	3,578	61,496
January 2016 - March 2016	7,910	3,521	61,496
North Dakota			
January 2015 - March 2015	11,778	5,267	80,750
October 2015 - December 2015.....	12,575	5,775	81,500
January 2016 - March 2016	11,878	5,489	81,000
Ohio			
January 2015 - March 2015	14,159	6,306	90,100
October 2015 - December 2015.....	14,906	6,781	86,700
January 2016 - March 2016	13,709	6,223	86,700
Pennsylvania			
January 2015 - March 2015	12,268	5,580	93,880
October 2015 - December 2015.....	12,829	5,864	93,880
January 2016 - March 2016	12,061	5,552	93,900
Texas			
January 2015 - March 2015	11,414	5,266	77,700
October 2015 - December 2015.....	11,985	5,512	77,250
January 2016 - March 2016	11,722	5,442	77,250
Other States ¹			
January 2015 - March 2015	10,450	4,768	68,837
October 2015 - December 2015.....	11,147	5,261	70,307
January 2016 - March 2016	10,621	5,013	70,307
United States			
January 2015 - March 2015	225,289	103,116	1,610,399
October 2015 - December 2015.....	235,884	108,801	1,617,829
January 2016 - March 2016	224,212	103,905	1,617,669

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

Flour Milling Production, and Capacity – United States: January 2016 - March 2016 with Comparisons

Item	January - March 2015	October - December 2015	January - March 2016
All wheat			
Wheat ground for flour 1,000 bushels	225,289	235,884	224,212
Flour production 1,000 cwt	103,116	108,801	103,905
Whole wheat flour production 1,000 cwt	6,122	6,154	5,515
Millfeed production tons	1,601,309	1,682,552	1,595,888
Daily 24-hour capacity cwt	1,610,399	1,617,829	1,617,669
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	208,979	218,443	207,516
Flour production 1,000 cwt	95,433	100,612	96,196
Whole wheat production 1,000 cwt	5,967	5,965	5,306
Millfeed production tons	1,489,375	1,561,550	1,482,590
Daily 24-hour capacity cwt	1,483,152	1,490,082	1,489,922
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	16,310	17,441	16,696
Durum flour and semolina production 1,000 cwt	7,683	8,189	7,709
Whole wheat durum flour and semolina production 1,000 cwt	155	189	209
Millfeed production tons	111,934	121,002	113,298
Daily 24-hour capacity cwt	127,247	127,747	127,747
Rye			
Rye ground for flour 1,000 bushels	544	549	546
Flour production 1,000 cwt	256	261	266
Millfeed production tons	(D)	(D)	(D)
Daily 24-hour capacity cwt	9,365	9,365	9,365

(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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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit <http://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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