



Flour Milling Products

ISSN: 2378-2498

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

Highlights

First Quarter 2017, January through March, contained 90 days.

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

First Quarter 2018, January through March, contained 90 days.

All wheat ground for flour during the first quarter 2018 was 227 million bushels, down 3 percent from the fourth quarter 2017 grind of 235 million bushels but up 1 percent from the first quarter 2017 grind of 224 million bushels. First quarter 2018 total flour production was 106 million hundredweight, down 3 percent from the fourth quarter 2017 but up 1 percent from the first quarter 2017. Whole wheat flour production at 5.71 million hundredweight during the first quarter 2018 accounted for 5 percent of the total flour production. Millfeed production from wheat in the first quarter 2018 was 1.61 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2018 was 1.64 million hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2018 totaled 17.1 million bushels, down 2 percent from the fourth quarter 2017 but up 2 percent from the first quarter 2017. First quarter 2018 durum flour and semolina production was 8.16 million hundredweight, down 3 percent from the fourth quarter 2017 but up 2 percent from the first quarter 2017. Whole wheat durum flour and semolina production was 179 thousand hundredweight, up 47 percent from 122 thousand hundredweight in the fourth quarter 2017 and up 8 percent from 166 thousand hundredweight from the first quarter 2017. First quarter durum wheat millfeed production was 118 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 123 thousand hundredweight.

Rye ground for flour during the first quarter of 2018 was 476 thousand bushels, down 4 percent from the fourth quarter 2017 but up 4 percent from the first quarter 2017. Rye flour production during the first quarter of 2018 was 234 thousand hundredweight, compared to 240 thousand hundredweight in the previous quarter and 222 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 first quarter 2018.

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

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
California			
January 2017 - March 2017	16,247	7,706	120,671
October 2017 - December 2017	16,939	7,783	120,671
January 2018 - March 2018	16,753	7,834	122,171
Colorado and Oklahoma			
January 2017 - March 2017	7,094	3,532	59,280
October 2017 - December 2017	7,215	3,495	59,280
January 2018 - March 2018	6,190	3,043	59,280
Florida, Georgia, and South Carolina			
January 2017 - March 2017	9,807	4,563	64,000
October 2017 - December 2017	9,805	4,527	64,000
January 2018 - March 2018	9,795	4,485	64,000
Idaho, Montana, Oregon, Utah, and Washington			
January 2017 - March 2017	16,410	7,960	131,540
October 2017 - December 2017	17,240	8,101	131,540
January 2018 - March 2018	16,685	7,806	133,787
Illinois, Indiana, and Wisconsin			
January 2017 - March 2017	21,096	9,947	142,252
October 2017 - December 2017	22,456	10,614	142,252
January 2018 - March 2018	21,985	10,566	146,252
Iowa and Nebraska			
January 2017 - March 2017	8,224	3,795	57,676
October 2017 - December 2017	8,387	3,788	57,676
January 2018 - March 2018	8,216	3,684	56,744
Kansas			
January 2017 - March 2017	13,975	6,555	116,032
October 2017 - December 2017	15,598	7,171	116,032
January 2018 - March 2018	14,780	6,838	117,132
Kentucky and Tennessee			
January 2017 - March 2017	8,515	3,950	52,650
October 2017 - December 2017	8,964	4,094	52,650
January 2018 - March 2018	8,424	3,926	52,650
Maryland and Virginia			
January 2017 - March 2017	6,752	3,050	52,192
October 2017 - December 2017	7,415	3,339	52,192
January 2018 - March 2018	7,007	3,185	55,192
Michigan			
January 2017 - March 2017	6,050	2,772	39,200
October 2017 - December 2017	6,738	3,059	39,200
January 2018 - March 2018	6,358	2,904	39,700
Minnesota			
January 2017 - March 2017	14,854	6,862	115,120
October 2017 - December 2017	15,535	7,184	115,120
January 2018 - March 2018	14,664	6,772	120,120
Missouri			
January 2017 - March 2017	12,564	5,713	88,185
October 2017 - December 2017	13,675	6,152	88,185
January 2018 - March 2018	13,011	5,968	84,800
New Jersey and New York			
January 2017 - March 2017	13,493	6,382	102,150
October 2017 - December 2017	13,970	6,435	102,150
January 2018 - March 2018	13,339	6,310	102,150

--continued

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2018 - March 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			
January 2017 - March 2017	7,970	3,593	61,496
October 2017 - December 2017	8,083	3,697	61,496
January 2018 - March 2018	7,905	3,567	61,496
North Dakota			
January 2017 - March 2017	13,742	6,280	92,500
October 2017 - December 2017	13,998	6,621	92,500
January 2018 - March 2018	14,080	6,599	92,500
Ohio			
January 2017 - March 2017	13,266	6,024	86,700
October 2017 - December 2017	14,201	6,425	86,700
January 2018 - March 2018	14,041	6,162	92,900
Pennsylvania			
January 2017 - March 2017	11,854	5,569	90,400
October 2017 - December 2017	12,128	5,698	90,400
January 2018 - March 2018	11,855	5,557	90,200
Texas			
January 2017 - March 2017	11,901	5,542	77,250
October 2017 - December 2017	12,260	5,680	77,250
January 2018 - March 2018	11,742	5,506	80,750
Other States ¹			
January 2017 - March 2017	10,150	4,910	70,307
October 2017 - December 2017	10,479	4,971	70,307
January 2018 - March 2018	10,317	4,900	69,807
United States			
January 2017 - March 2017	223,964	104,705	1,619,601
October 2017 - December 2017	235,086	108,834	1,619,601
January 2018 - March 2018	227,147	105,612	1,641,631

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

Flour Milling Production, and Capacity – United States: January 2018 - March 2018 with Comparisons

Item	January - March 2017	October - December 2017	January - March 2018
All wheat			
Wheat ground for flour 1,000 bushels	223,964	235,086	227,147
Flour production 1,000 cwt	104,705	108,834	105,612
Whole wheat flour production 1,000 cwt	5,800	5,737	5,711
Millfeed production tons	1,586,308	1,641,094	1,606,569
Daily 24-hour capacity cwt	1,619,601	1,619,601	1,641,631
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	207,187	217,665	210,033
Flour production 1,000 cwt	96,739	100,445	97,456
Whole wheat production 1,000 cwt	5,634	5,615	5,532
Millfeed production tons	1,468,703	1,525,361	1,488,631
Daily 24-hour capacity cwt	1,492,554	1,492,554	1,518,401
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	16,777	17,421	17,114
Durum flour and semolina production 1,000 cwt	7,966	8,389	8,156
Whole wheat durum flour and semolina production 1,000 cwt	166	122	179
Millfeed production tons	117,605	115,733	117,938
Daily 24-hour capacity cwt	127,047	127,047	123,230
Rye			
Rye ground for flour 1,000 bushels	457	495	476
Flour production 1,000 cwt	222	240	234
Millfeed production tons	(D)	1,249	(D)
Daily 24-hour capacity cwt	9,385	9,385	9,385

(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.

Jody McDaniel, Chief, Environmental, Economics, and Demographics Branch	(202) 720-6146
Scott Shimmin, Head, Environmental and Demographics Section.....	(202) 720-0684
Stephanie Brennan – Census of Agriculture	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
David Colwell – Current Agricultural Industrial Reports	(202) 690-3226
Doug Farmer – Vegetable Chemical Use	(202) 720-7492
Joseph Hagedorn – Census of Agriculture	(202) 690-2284
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Dominique Sims – Census of Agriculture.....	(202) 690-4752

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- 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.

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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.