



# Flour Milling Products

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## Highlights

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

**Second Quarter 2017**, April through June, contained 91 days.

**All wheat** ground for flour during the second quarter 2017 was 224 million bushels, up slightly from the first quarter 2017 grind of 224 million bushels but down slightly from the second quarter 2016 grind of 224 million bushels. Second quarter 2017 total flour production was 104 million hundredweight, down slightly from the first quarter 2017 but up 1 percent from the second quarter 2016. Whole wheat flour production at 5.33 million hundredweight during the second quarter 2017 accounted for 5 percent of the total flour production. Millfeed production from wheat in the second quarter 2017 was 1.57 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2017 was 1.62 million hundredweight.

**Durum wheat** ground for flour and semolina production during the second quarter of 2017 totaled 15.7 million bushels, down 6 percent from the first quarter 2017 but up 2 percent from the second quarter 2016. Second quarter 2017 durum flour and semolina production was 7.53 million hundredweight, down 6 percent from the first quarter 2017 but up 3 percent from the second quarter 2016. Whole wheat durum flour and semolina production was 108 thousand hundredweight, down 35 percent from 166 thousand hundredweight in the first quarter 2017 and down 33 percent from 162 thousand hundredweight from the second quarter 2016. Second quarter durum wheat millfeed production was 109 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 127 thousand hundredweight.

**Rye** ground for flour during the second quarter of 2017 was 445 thousand bushels, down 3 percent from the first quarter 2017 and down 29 percent from the second quarter 2016. Rye flour production during the second quarter of 2017 was 215 thousand hundredweight, compared to 222 thousand hundredweight in the previous quarter and 303 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 second quarter 2017.

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

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>California</b>			
April 2016 - June 2016 .....	16,105	7,555	120,671
January 2017 - March 2017 .....	16,247	7,706	120,671
April 2017 - June 2017 .....	16,237	7,642	120,671
<b>Colorado and Oklahoma</b>			
April 2016 - June 2016 .....	7,482	3,610	59,280
January 2017 - March 2017 .....	7,094	3,532	59,280
April 2017 - June 2017 .....	7,137	3,486	59,280
<b>Florida, Georgia, and South Carolina</b>			
April 2016 - June 2016 .....	9,798	4,449	64,000
January 2017 - March 2017 .....	9,807	4,563	64,000
April 2017 - June 2017 .....	9,754	4,533	64,000
<b>Idaho, Montana, Oregon, Utah, and Washington</b>			
April 2016 - June 2016 .....	16,740	7,842	131,540
January 2017 - March 2017 .....	16,410	7,960	131,540
April 2017 - June 2017 .....	16,465	7,990	131,540
<b>Illinois, Indiana, and Wisconsin</b>			
April 2016 - June 2016 .....	22,242	10,427	142,452
January 2017 - March 2017 .....	21,096	9,947	142,252
April 2017 - June 2017 .....	21,013	9,949	142,252
<b>Iowa and Nebraska</b>			
April 2016 - June 2016 .....	7,962	3,645	64,376
January 2017 - March 2017 .....	8,224	3,795	57,676
April 2017 - June 2017 .....	8,273	3,785	57,676
<b>Kansas</b>			
April 2016 - June 2016 .....	14,139	6,516	116,032
January 2017 - March 2017 .....	13,975	6,555	116,032
April 2017 - June 2017 .....	14,239	6,636	116,032
<b>Kentucky and Tennessee</b>			
April 2016 - June 2016 .....	8,493	3,902	52,650
January 2017 - March 2017 .....	8,515	3,950	52,650
April 2017 - June 2017 .....	8,494	3,886	52,650
<b>Maryland and Virginia</b>			
April 2016 - June 2016 .....	7,182	3,238	52,192
January 2017 - March 2017 .....	6,752	3,050	52,192
April 2017 - June 2017 .....	6,868	3,091	52,192
<b>Michigan</b>			
April 2016 - June 2016 .....	5,915	2,650	39,200
January 2017 - March 2017 .....	6,050	2,772	39,200
April 2017 - June 2017 .....	5,988	2,699	39,200
<b>Minnesota</b>			
April 2016 - June 2016 .....	15,025	6,896	115,120
January 2017 - March 2017 .....	14,854	6,862	115,120
April 2017 - June 2017 .....	14,711	6,834	115,120
<b>Missouri</b>			
April 2016 - June 2016 .....	11,523	5,299	88,185
January 2017 - March 2017 .....	12,564	5,713	88,185
April 2017 - June 2017 .....	12,052	5,476	88,185
<b>New Jersey and New York</b>			
April 2016 - June 2016 .....	13,963	6,637	102,150
January 2017 - March 2017 .....	13,493	6,382	102,150
April 2017 - June 2017 .....	13,877	6,568	102,150

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
April 2017 - June 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			
April 2016 - June 2016.....	8,047	3,664	61,496
January 2017 - March 2017 .....	7,970	3,593	61,496
April 2017 - June 2017.....	8,061	3,653	61,496
North Dakota			
April 2016 - June 2016.....	12,385	5,720	81,000
January 2017 - March 2017 .....	13,742	6,280	92,500
April 2017 - June 2017.....	12,960	5,909	92,500
Ohio			
April 2016 - June 2016.....	12,177	5,469	86,700
January 2017 - March 2017 .....	13,266	6,024	86,700
April 2017 - June 2017.....	13,299	5,930	86,700
Pennsylvania			
April 2016 - June 2016.....	12,320	5,612	90,400
January 2017 - March 2017 .....	11,854	5,569	90,400
April 2017 - June 2017.....	12,023	5,661	90,400
Texas			
April 2016 - June 2016.....	12,133	5,602	77,250
January 2017 - March 2017 .....	11,901	5,542	77,250
April 2017 - June 2017.....	11,993	5,530	77,250
Other States <sup>1</sup>			
April 2016 - June 2016.....	10,751	5,090	70,307
January 2017 - March 2017 .....	10,150	4,910	70,307
April 2017 - June 2017.....	10,716	5,145	70,307
United States			
April 2016 - June 2016.....	224,382	103,823	1,615,001
January 2017 - March 2017 .....	223,964	104,705	1,619,601
April 2017 - June 2017.....	224,160	104,403	1,619,601

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

## Flour Milling Production, and Capacity – United States: April 2017 - June 2017 with Comparisons

Item	April - June 2016	January - March 2017	April - June 2017
<b>All wheat</b>			
Wheat ground for flour ..... 1,000 bushels	224,382	223,964	224,160
Flour production ..... 1,000 cwt	103,823	104,705	104,403
Whole wheat flour production ..... 1,000 cwt	5,186	5,800	5,327
Millfeed production ..... tons	1,613,972	1,586,308	1,568,119
Daily 24-hour capacity ..... cwt	1,615,001	1,619,601	1,619,601
<b>Wheat, excluding durum</b>			
Wheat ground for flour ..... 1,000 bushels	208,917	207,187	208,457
Flour production ..... 1,000 cwt	96,485	96,739	96,876
Whole wheat production ..... 1,000 cwt	5,024	5,634	5,219
Millfeed production ..... tons	1,506,217	1,468,703	1,459,578
Daily 24-hour capacity ..... cwt	1,487,954	1,492,554	1,492,554
<b>Wheat, durum</b>			
Wheat ground for flour and semolina ..... 1,000 bushels	15,465	16,777	15,703
Durum flour and semolina production ..... 1,000 cwt	7,338	7,966	7,527
Whole wheat durum flour and semolina production ..... 1,000 cwt	162	166	108
Millfeed production ..... tons	107,755	117,605	108,541
Daily 24-hour capacity ..... cwt	127,047	127,047	127,047
<b>Rye</b>			
Rye ground for flour ..... 1,000 bushels	628	457	445
Flour production ..... 1,000 cwt	303	222	215
Millfeed production ..... tons	(D)	(D)	(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](mailto: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](mailto:nass@nass.usda.gov).

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