



# Flour Milling Products

ISSN: 2378-2498

---

Released November 1, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Highlights

**Second Quarter 2019**, April through June, contained 91 days.

**Third Quarter 2019**, July through September, contained 92 days.

**All wheat** ground for flour during the third quarter 2019 was 232 million bushels, up 3 percent from the second quarter 2019 grind of 225 million bushels but down slightly from the third quarter 2018 grind of 233 million bushels. Third quarter 2019 total flour production was 107 million hundredweight, up 3 percent from the second quarter 2019 but down 1 percent from the third quarter 2018. Whole wheat flour production at 4.92 million hundredweight during the third quarter 2019 accounted for 5 percent of the total flour production. Millfeed production from wheat in the third quarter 2019 was 1.66 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2019 was 1.67 million hundredweight.

**Durum wheat** ground for flour and semolina production during the third quarter of 2019 totaled 15.9 million bushels, down 1 percent from the second quarter 2019 and down 4 percent from the third quarter 2018. Third quarter 2019 durum flour and semolina production was 7.50 million hundredweight, down 2 percent from the second quarter 2019 and down 5 percent from the third quarter 2018. Whole wheat durum flour and semolina production was 200,000 hundredweight, up 49 percent from 134,000 hundredweight in the second quarter 2019 and up 48 percent from 135,000 hundredweight in the third quarter 2018. Third quarter durum wheat millfeed production was 108,204 tons and the daily 24-hour milling capacity for durum and semolina production was 131,330 hundredweight.

**Rye** ground for flour during the third quarter of 2019 was 462,000 bushels, up 12 percent from the second quarter 2019 and up 4 percent from the third quarter 2018. Rye flour production during the third quarter of 2019 was 218,000 hundredweight, compared to 204,000 hundredweight in the previous quarter and 211,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,785 hundredweight for the third quarter 2019.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
July 2019 - September 2019 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>California</b>			
July 2018 - September 2018 .....	16,816	7,853	122,171
April 2019 - June 2019 .....	16,814	7,896	121,100
July 2019 - September 2019 .....	17,046	7,916	121,100
<b>Colorado and Oklahoma</b>			
July 2018 - September 2018 .....	6,901	3,384	59,280
April 2019 - June 2019 .....	7,087	3,391	59,280
July 2019 - September 2019 .....	7,789	3,678	59,280
<b>Florida, Georgia, and South Carolina</b>			
July 2018 - September 2018 .....	9,738	4,500	64,000
April 2019 - June 2019 .....	9,421	4,306	64,000
July 2019 - September 2019 .....	9,015	4,166	64,000
<b>Idaho, Montana, Oregon, Utah, and Washington</b>			
July 2018 - September 2018 .....	17,294	8,085	133,787
April 2019 - June 2019 .....	15,504	7,115	125,787
July 2019 - September 2019 .....	15,474	7,161	125,787
<b>Illinois, Indiana, and Wisconsin</b>			
July 2018 - September 2018 .....	23,262	10,999	146,252
April 2019 - June 2019 .....	20,857	9,716	146,252
July 2019 - September 2019 .....	24,158	11,282	176,252
<b>Iowa and Nebraska</b>			
July 2018 - September 2018 .....	8,591	3,833	56,744
April 2019 - June 2019 .....	8,137	3,680	56,744
July 2019 - September 2019 .....	8,536	3,885	56,744
<b>Kansas</b>			
July 2018 - September 2018 .....	15,947	7,356	117,132
April 2019 - June 2019 .....	15,374	7,121	117,132
July 2019 - September 2019 .....	15,152	7,016	117,132
<b>Kentucky and Tennessee</b>			
July 2018 - September 2018 .....	8,915	4,127	52,650
April 2019 - June 2019 .....	8,850	3,889	52,650
July 2019 - September 2019 .....	9,144	4,260	52,500
<b>Maryland and Virginia</b>			
July 2018 - September 2018 .....	6,861	3,093	55,192
April 2019 - June 2019 .....	6,614	2,962	52,692
July 2019 - September 2019 .....	7,021	3,159	52,692
<b>Michigan</b>			
July 2018 - September 2018 .....	6,106	2,813	39,700
April 2019 - June 2019 .....	6,087	2,805	39,700
July 2019 - September 2019 .....	5,718	2,573	39,700
<b>Minnesota</b>			
July 2018 - September 2018 .....	14,784	6,808	120,220
April 2019 - June 2019 .....	13,973	6,510	120,220
July 2019 - September 2019 .....	13,919	6,454	120,220
<b>Missouri</b>			
July 2018 - September 2018 .....	13,525	6,262	84,800
April 2019 - June 2019 .....	12,329	5,666	92,800
July 2019 - September 2019 .....	13,195	6,030	92,800
<b>New Jersey and New York</b>			
July 2018 - September 2018 .....	13,908	6,557	102,150
April 2019 - June 2019 .....	13,476	6,268	102,150
July 2019 - September 2019 .....	14,035	6,450	102,150

--continued

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
July 2019 - September 2019 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 2018 - September 2018.....	8,144	3,656	61,496
April 2019 - June 2019.....	8,152	3,659	61,496
July 2019 - September 2019.....	8,312	3,752	61,496
North Dakota			
July 2018 - September 2018.....	13,976	6,550	93,500
April 2019 - June 2019.....	13,749	6,330	93,500
July 2019 - September 2019.....	14,105	6,339	93,500
Ohio			
July 2018 - September 2018.....	12,880	5,797	92,900
April 2019 - June 2019.....	12,836	5,847	92,900
July 2019 - September 2019.....	12,741	5,765	92,900
Pennsylvania			
July 2018 - September 2018.....	12,346	5,858	90,200
April 2019 - June 2019.....	12,232	5,734	87,800
July 2019 - September 2019.....	12,489	5,781	85,400
Texas			
July 2018 - September 2018.....	12,383	5,728	80,750
April 2019 - June 2019.....	12,743	5,930	90,750
July 2019 - September 2019.....	12,967	6,058	90,750
Other States <sup>1</sup>			
July 2018 - September 2018.....	10,561	4,978	69,807
April 2019 - June 2019.....	10,821	5,104	69,807
July 2019 - September 2019.....	10,959	5,103	69,807
United States			
July 2018 - September 2018.....	232,938	108,237	1,642,731
April 2019 - June 2019.....	225,056	103,929	1,646,760
July 2019 - September 2019.....	231,775	106,828	1,674,210

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

## Flour Milling Production, and Capacity – United States: July 2019 - September 2019 with Comparisons

Item	July - September 2018	April - June 2019	July - September 2019
<b>All wheat</b>			
Wheat ground for flour ..... 1,000 bushels	232,938	225,056	231,775
Flour production ..... 1,000 cwt	108,237	103,929	106,828
Whole wheat flour production ..... 1,000 cwt	5,715	5,271	4,924
Millfeed production ..... tons	1,628,236	1,618,622	1,659,494
Daily 24-hour capacity ..... cwt	1,642,731	1,646,760	1,674,210
<b>Wheat, excluding durum</b>			
Wheat ground for flour ..... 1,000 bushels	216,261	209,039	215,847
Flour production ..... 1,000 cwt	100,360	96,307	99,327
Whole wheat production ..... 1,000 cwt	5,580	5,137	4,724
Millfeed production ..... tons	1,515,326	1,507,853	1,551,290
Daily 24-hour capacity ..... cwt	1,519,401	1,515,430	1,542,880
<b>Wheat, durum</b>			
Wheat ground for flour and semolina ..... 1,000 bushels	16,677	16,017	15,928
Durum flour and semolina production ..... 1,000 cwt	7,877	7,622	7,501
Whole wheat durum flour and semolina production ..... 1,000 cwt	135	134	200
Millfeed production ..... tons	112,910	110,769	108,204
Daily 24-hour capacity ..... cwt	123,330	131,330	131,330
<b>Rye</b>			
Rye ground for flour ..... 1,000 bushels	444	414	462
Flour production ..... 1,000 cwt	211	204	218
Millfeed production ..... tons	1,238	(D)	(D)
Daily 24-hour capacity ..... cwt	9,785	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](mailto:nass@nass.usda.gov).

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Anthony Prillaman, Head, Field Crops Section.....	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports .....	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet .....	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans .....	(202) 690-3234
Jannety Mosley – Crop Weather, Barley.....	(202) 720-7621
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat .....	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum .....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds .....	(202) 720-7369

## 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](http://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](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.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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@usda.gov](mailto: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](http://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](mailto:program.intake@usda.gov).