



Flour Milling Products

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Highlights

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

Second Quarter 2020, April through June, contained 91 days.

Third Quarter 2020, July through September, contained 92 days.

All wheat ground for flour during the third quarter 2020 was 234 million bushels, up 7 percent from the second quarter 2020 grind of 219 million bushels and up 1 percent from the third quarter 2019 grind of 232 million bushels. Third quarter 2020 total flour production was 109 million hundredweight, up 6 percent from the second quarter 2020 and up 2 percent from the third quarter 2019. Whole wheat flour production at 4.91 million hundredweight during the third quarter 2020 accounted for 5 percent of the total flour production. Millfeed production from wheat in the third quarter 2020 was 1.68 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2020 was 1.60 million hundredweight.

Durum wheat ground for flour and semolina production during the third quarter of 2020 totaled 17.5 million bushels, down 10 percent from the second quarter 2020 but up 10 percent from the third quarter 2019. Third quarter 2020 durum flour and semolina production was 8.30 million hundredweight, down 9 percent from the second quarter 2020 but up 11 percent from the third quarter 2019. Whole wheat durum flour and semolina production was 134,000 hundredweight, down 18 percent from 164,000 hundredweight in the second quarter 2020 and down 33 percent from 200,000 hundredweight in the third quarter 2019. Third quarter durum wheat millfeed production was 118,580 tons and the daily 24-hour milling capacity for durum and semolina production was 131,730 hundredweight.

Rye ground for flour during the third quarter of 2020 was 452,000 bushels, up 36 percent from the second quarter 2020 but down 2 percent from the third quarter 2019. Rye flour production during the third quarter of 2020 was 210,000 hundredweight, compared to 159,000 hundredweight in the previous quarter and 218,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the third quarter 2020.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2020 - September 2020 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
July 2019 - September 2019.....	17,046	7,916	121,100
April 2020 - June 2020.....	16,438	7,657	120,400
July 2020 - September 2020.....	16,640	7,699	120,400
Colorado and Oklahoma			
July 2019 - September 2019.....	7,789	3,678	59,280
April 2020 - June 2020.....	7,676	3,700	58,280
July 2020 - September 2020.....	7,731	3,743	58,280
Florida, Georgia, and South Carolina			
July 2019 - September 2019.....	9,015	4,166	64,000
April 2020 - June 2020.....	7,632	3,530	60,000
July 2020 - September 2020.....	8,908	4,085	60,000
Idaho, Montana, Oregon, Utah, and Washington			
July 2019 - September 2019.....	15,474	7,161	125,787
April 2020 - June 2020.....	15,450	7,129	126,987
July 2020 - September 2020.....	16,244	7,686	126,987
Illinois, Indiana, and Wisconsin			
July 2019 - September 2019.....	24,158	11,282	176,252
April 2020 - June 2020.....	22,932	10,953	161,852
July 2020 - September 2020.....	25,615	12,106	161,852
Iowa and Nebraska			
July 2019 - September 2019.....	8,536	3,885	56,744
April 2020 - June 2020.....	8,517	3,909	55,894
July 2020 - September 2020.....	8,419	3,866	55,894
Kansas			
July 2019 - September 2019.....	15,152	7,016	117,132
April 2020 - June 2020.....	16,073	7,489	111,132
July 2020 - September 2020.....	16,240	7,623	111,132
Kentucky and Tennessee			
July 2019 - September 2019.....	9,144	4,260	52,500
April 2020 - June 2020.....	7,125	3,285	52,500
July 2020 - September 2020.....	8,887	4,148	52,500
Maryland and Virginia			
July 2019 - September 2019.....	7,021	3,159	52,692
April 2020 - June 2020.....	6,038	2,733	48,692
July 2020 - September 2020.....	6,373	2,905	48,692
Michigan			
July 2019 - September 2019.....	5,718	2,573	39,700
April 2020 - June 2020.....	4,886	2,208	39,700
July 2020 - September 2020.....	5,557	2,486	39,700
Minnesota			
July 2019 - September 2019.....	13,919	6,454	120,220
April 2020 - June 2020.....	10,946	5,099	94,120
July 2020 - September 2020.....	12,176	5,652	80,120
Missouri			
July 2019 - September 2019.....	13,195	6,030	92,800
April 2020 - June 2020.....	14,369	6,722	92,800
July 2020 - September 2020.....	13,641	6,248	92,800
New Jersey and New York			
July 2019 - September 2019.....	14,035	6,450	102,150
April 2020 - June 2020.....	11,675	5,640	103,350
July 2020 - September 2020.....	13,497	6,481	103,350

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2020 - September 2020 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 2019 - September 2019	8,312	3,752	61,496
April 2020 - June 2020.....	7,790	3,568	61,496
July 2020 - September 2020	8,216	3,695	61,496
North Dakota			
July 2019 - September 2019	14,105	6,339	93,500
April 2020 - June 2020.....	13,906	6,315	93,500
July 2020 - September 2020	15,739	7,125	93,100
Ohio			
July 2019 - September 2019	12,741	5,765	92,900
April 2020 - June 2020.....	14,036	6,298	88,400
July 2020 - September 2020	14,101	6,303	88,400
Pennsylvania			
July 2019 - September 2019	12,489	5,781	85,400
April 2020 - June 2020.....	10,814	5,038	84,900
July 2020 - September 2020	11,759	5,360	77,900
Texas			
July 2019 - September 2019	12,967	6,058	90,750
April 2020 - June 2020.....	12,250	5,737	91,850
July 2020 - September 2020	13,296	6,143	91,500
Other States ¹			
July 2019 - September 2019	10,959	5,103	69,807
April 2020 - June 2020.....	10,757	5,040	78,407
July 2020 - September 2020	11,160	5,229	78,407
United States			
July 2019 - September 2019	231,775	106,828	1,674,210
April 2020 - June 2020.....	219,310	102,050	1,624,260
July 2020 - September 2020	234,199	108,583	1,602,510

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

Flour Milling Production, and Capacity – United States: July 2020 - September 2020 with Comparisons

Item	July - September 2019	April - June 2020	July - September 2020
All wheat			
Wheat ground for flour..... 1,000 bushels	231,775	219,310	234,199
Flour production..... 1,000 cwt	106,828	102,050	108,583
Whole wheat flour production 1,000 cwt	5,513	4,471	4,908
Millfeed production..... tons	1,659,494	1,557,553	1,678,897
Daily 24-hour capacity.....cwt	1,674,210	1,624,260	1,602,510
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	215,847	199,874	216,690
Flour production..... 1,000 cwt	99,327	92,895	100,279
Whole wheat production 1,000 cwt	5,313	4,307	4,774
Millfeed production tons	1,551,290	1,425,065	1,560,317
Daily 24-hour capacity.....cwt	1,542,880	1,490,530	1,470,780
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	15,928	19,436	17,509
Durum flour and semolina production 1,000 cwt	7,501	9,155	8,304
Whole wheat durum flour and semolina production..... 1,000 cwt	200	164	134
Millfeed production tons	108,204	132,488	118,580
Daily 24-hour capacity.....cwt	131,330	133,730	131,730
Rye			
Rye ground for flour..... 1,000 bushels	462	333	452
Flour production..... 1,000 cwt	218	159	210
Millfeed production tons	(D)	624	848
Daily 24-hour capacity.....cwt	9,785	9,685	9,655

(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@usda.gov

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
Irwin Anolik – Crop Weather	(202) 720-7621
Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-2127
James Johanson – Barley, County Estimates, Hay	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Jean Porter – Rye, Wheat	(202) 720-8068
John Stephens – Peanuts, Rice.....	(202) 720-7688
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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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 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 agencies 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 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.

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