



Flour Milling Products

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Highlights

First Quarter 2020, January through March, contained 91 days.

Fourth Quarter 2020, October through December, contained 92 days.

First Quarter 2021, January through March, contained 90 days.

All wheat ground for flour during the first quarter 2021 was 225 million bushels, down 3 percent from the fourth quarter 2020 grind of 231 million bushels and down 4 percent from the first quarter 2020 grind of 233 million bushels. First quarter 2021 total flour production was 104 million hundredweight, down 3 percent from the fourth quarter 2020 and down 4 percent from the first quarter 2020. Whole wheat flour production, at 4.83 million hundredweight during the first quarter 2021, accounted for 5 percent of the total flour production. Millfeed production from wheat in the first quarter 2021 was 1.63 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2021 was 1.59 million hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2021 totaled 17.2 million bushels, down less than 1 percent from the fourth quarter 2020 and down less than 1 percent from the first quarter 2020. First quarter 2021 durum flour and semolina production was 8.09 million hundredweight, down 1 percent from the fourth quarter 2020 and down 1 percent from the first quarter 2020. Whole wheat durum flour and semolina production was 143,000 hundredweight, down 3 percent from 147,000 hundredweight in the fourth quarter 2020 and down 16 percent from 171,000 hundredweight from the first quarter 2020. First quarter durum wheat millfeed production was 116,634 tons and the daily 24-hour milling capacity for durum and semolina production was 131,730 hundredweight.

Rye ground for flour during the first quarter of 2021 was 457,000 bushels, down 4 percent from the fourth quarter 2020 and down 13 percent from the first quarter 2020. Rye flour production during the first quarter of 2021 was 209,000 hundredweight, compared to 216,000 hundredweight in the previous quarter and 244,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the first quarter 2021.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2021 - March 2021 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January 2020 - March 2020.....	17,488	8,172	120,400
October 2020 - December 2020.....	15,956	7,437	108,600
January 2021 - March 2021.....	15,978	7,415	108,600
Colorado and Oklahoma			
January 2020 - March 2020.....	7,255	3,483	58,280
October 2020 - December 2020.....	8,047	3,827	58,280
January 2021 - March 2021.....	7,307	3,473	58,280
Florida, Georgia, and South Carolina			
January 2020 - March 2020.....	9,243	4,249	59,000
October 2020 - December 2020.....	8,612	3,981	59,000
January 2021 - March 2021.....	8,834	4,041	59,000
Idaho, Montana, Oregon, Utah, and Washington			
January 2020 - March 2020.....	16,981	7,842	127,187
October 2020 - December 2020.....	15,738	7,353	125,387
January 2021 - March 2021.....	15,885	7,439	125,387
Illinois, Indiana, and Wisconsin			
January 2020 - March 2020.....	24,827	11,663	163,252
October 2020 - December 2020.....	25,070	11,805	163,252
January 2021 - March 2021.....	25,007	11,770	163,252
Iowa and Nebraska			
January 2020 - March 2020.....	8,843	3,952	55,894
October 2020 - December 2020.....	8,411	3,739	55,894
January 2021 - March 2021.....	8,267	3,737	55,894
Kansas			
January 2020 - March 2020.....	15,247	7,197	111,132
October 2020 - December 2020.....	16,477	7,656	111,132
January 2021 - March 2021.....	14,751	6,891	111,132
Kentucky and Tennessee			
January 2020 - March 2020.....	9,278	4,296	55,000
October 2020 - December 2020.....	8,884	4,096	57,000
January 2021 - March 2021.....	8,515	3,942	57,000
Maryland and Virginia			
January 2020 - March 2020.....	6,321	2,871	48,692
October 2020 - December 2020.....	6,120	2,801	48,692
January 2021 - March 2021.....	6,457	2,914	48,644
Michigan			
January 2020 - March 2020.....	5,186	2,351	39,700
October 2020 - December 2020.....	5,675	2,542	39,700
January 2021 - March 2021.....	5,329	2,400	39,700
Minnesota			
January 2020 - March 2020.....	11,822	5,506	94,220
October 2020 - December 2020.....	11,254	5,235	80,120
January 2021 - March 2021.....	11,035	5,162	80,120
Missouri			
January 2020 - March 2020.....	13,423	6,220	92,800
October 2020 - December 2020.....	13,830	6,356	92,800
January 2021 - March 2021.....	13,087	6,049	92,800
New Jersey and New York			
January 2020 - March 2020.....	13,255	6,288	102,550
October 2020 - December 2020.....	12,954	6,025	102,550
January 2021 - March 2021.....	12,754	5,882	102,550

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2021 - March 2021 with Comparisons (continued)**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
North Carolina			
January 2020 - March 2020.....	7,812	3,521	61,496
October 2020 - December 2020.....	8,306	3,768	61,496
January 2021 - March 2021.....	7,442	3,349	61,496
North Dakota			
January 2020 - March 2020.....	14,431	6,557	93,500
October 2020 - December 2020.....	15,363	7,049	93,100
January 2021 - March 2021.....	14,727	6,696	93,100
Ohio			
January 2020 - March 2020.....	13,827	6,216	88,400
October 2020 - December 2020.....	14,688	6,593	79,900
January 2021 - March 2021.....	14,016	6,301	79,900
Pennsylvania			
January 2020 - March 2020.....	13,344	6,326	85,500
October 2020 - December 2020.....	11,449	5,221	78,500
January 2021 - March 2021.....	11,032	5,008	78,500
Texas			
January 2020 - March 2020.....	13,134	6,172	91,850
October 2020 - December 2020.....	13,459	6,255	91,500
January 2021 - March 2021.....	13,039	6,003	91,500
Other States ¹			
January 2020 - March 2020.....	11,293	5,295	78,407
October 2020 - December 2020.....	11,183	5,248	78,407
January 2021 - March 2021.....	11,055	5,162	78,407
United States			
January 2020 - March 2020.....	233,010	108,177	1,627,260
October 2020 - December 2020.....	231,476	106,987	1,585,310
January 2021 - March 2021.....	224,517	103,634	1,585,262

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

Flour Milling Production, and Capacity – United States: January 2021 - March 2021 with Comparisons

Item	January - March 2020	October - December 2020	January - March 2021
All wheat			
Wheat ground for flour1,000 bushels	233,010	231,476	224,517
Flour production1,000 cwt	108,177	106,987	103,634
Whole wheat flour production1,000 cwt	5,890	4,852	4,827
Millfeed production tons	1,654,872	1,655,982	1,631,148
Daily 24-hour capacity cwt	1,627,260	1,585,310	1,585,262
Wheat, excluding durum			
Wheat ground for flour1,000 bushels	215,694	214,176	207,274
Flour production1,000 cwt	100,037	98,784	95,546
Whole wheat production1,000 cwt	5,719	4,705	4,684
Millfeed production tons	1,537,672	1,539,098	1,514,514
Daily 24-hour capacity cwt	1,493,430	1,453,580	1,453,532
Wheat, durum			
Wheat ground for flour and semolina1,000 bushels	17,316	17,300	17,243
Durum flour and semolina production1,000 cwt	8,140	8,203	8,088
Whole wheat durum flour and semolina production1,000 cwt	171	147	143
Millfeed production tons	117,200	116,884	116,634
Daily 24-hour capacity cwt	133,830	131,730	131,730
Rye			
Rye ground for flour1,000 bushels	524	474	457
Flour production1,000 cwt	244	216	209
Millfeed production tons	(D)	959	921
Daily 24-hour capacity cwt	9,685	9,655	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

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Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
James Johanson – Barley, County Estimates, Hay	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
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- 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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