



Flour Milling Products

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Highlights

First Quarter 2022, January through March, contained 90 days.

Fourth Quarter 2022, October through December, contained 92 days.

First Quarter 2023, January through March, contained 90 days.

All wheat ground for flour during the first quarter 2023 was 225 million bushels, down 2 percent from the fourth quarter 2022 grind of 229 million bushels and down 2 percent from the first quarter 2022 grind of 230 million bushels. First quarter 2023 total flour production was 105 million hundredweight, down 2 percent from the fourth quarter 2022 and down 2 percent from the first quarter 2022. Whole wheat flour production, at 4.50 million hundredweight during the first quarter 2023, accounted for 4 percent of the total flour production. Millfeed production from wheat in the first quarter 2023 was 1.62 million tons. The daily 24-hour milling capacity of wheat flour during the first quarter 2023 was 1.59 million hundredweight.

Durum wheat ground for flour and semolina production during the first quarter of 2023 totaled 17.2 million bushels, up 4 percent from the fourth quarter 2022 and up 8 percent from the first quarter 2022. First quarter 2023 durum flour and semolina production was 8.34 million hundredweight, up 4 percent from the fourth quarter 2022 and up 10 percent from the first quarter 2022. Whole wheat durum flour and semolina production was 104,000 hundredweight, down 13 percent from 120,000 hundredweight in the fourth quarter 2022 but up 9 percent from 95,000 hundredweight from the first quarter 2022. First quarter durum wheat millfeed production was 110,313 tons and the daily 24-hour milling capacity for durum and semolina production was 134,730 hundredweight.

Rye ground for flour during the first quarter of 2023 was 418,000 bushels, up 7 percent from the fourth quarter 2022 but down 5 percent from the first quarter 2022. Rye flour production during the first quarter of 2023 was 189,000 hundredweight, compared to 178,000 hundredweight in the previous quarter and 200,000 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 2023.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2023 - March 2023 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January 2022 - March 2022.....	16,539	7,644	108,600
October 2022 - December 2022.....	16,574	7,659	108,600
January 2023 - March 2023.....	15,793	7,344	108,600
Colorado and Oklahoma			
January 2022 - March 2022.....	8,011	3,773	55,780
October 2022 - December 2022.....	7,884	3,798	55,780
January 2023 - March 2023.....	7,812	3,710	55,780
Florida, Georgia, and South Carolina			
January 2022 - March 2022.....	9,445	4,311	76,500
October 2022 - December 2022.....	9,884	4,648	62,000
January 2023 - March 2023.....	9,984	4,634	62,000
Idaho, Montana, Oregon, Utah, and Washington			
January 2022 - March 2022.....	16,506	7,719	125,387
October 2022 - December 2022.....	16,647	7,705	119,387
January 2023 - March 2023.....	15,518	7,318	119,387
Illinois, Indiana, and Wisconsin			
January 2022 - March 2022.....	25,287	11,865	163,252
October 2022 - December 2022.....	25,185	11,714	163,252
January 2023 - March 2023.....	25,407	11,935	163,252
Iowa and Nebraska			
January 2022 - March 2022.....	9,532	4,398	55,894
October 2022 - December 2022.....	6,920	3,172	50,894
January 2023 - March 2023.....	6,648	3,070	50,894
Kansas			
January 2022 - March 2022.....	15,693	7,395	112,300
October 2022 - December 2022.....	16,235	7,492	111,800
January 2023 - March 2023.....	15,536	7,234	111,800
Kentucky and Tennessee			
January 2022 - March 2022.....	9,074	4,173	57,000
October 2022 - December 2022.....	8,759	3,969	57,000
January 2023 - March 2023.....	8,633	4,006	59,000
Maryland and Virginia			
January 2022 - March 2022.....	6,861	3,121	48,644
October 2022 - December 2022.....	6,703	3,038	48,500
January 2023 - March 2023.....	7,011	3,195	48,500
Michigan			
January 2022 - March 2022.....	5,696	2,544	39,700
October 2022 - December 2022.....	5,705	2,496	39,700
January 2023 - March 2023.....	5,741	2,568	39,700
Minnesota			
January 2022 - March 2022.....	10,853	5,100	80,120
October 2022 - December 2022.....	11,080	5,178	80,120
January 2023 - March 2023.....	10,619	4,967	80,120
Missouri			
January 2022 - March 2022.....	12,458	5,598	92,800
October 2022 - December 2022.....	12,659	5,963	92,800
January 2023 - March 2023.....	12,630	5,893	92,800
New Jersey and New York			
January 2022 - March 2022.....	13,528	6,238	101,450
October 2022 - December 2022.....	13,301	6,422	101,450
January 2023 - March 2023.....	12,647	6,041	101,450

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
January 2023 - March 2023 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 2022 - March 2022.....	8,074	3,689	61,496
October 2022 - December 2022.....	7,576	3,470	61,496
January 2023 - March 2023.....	7,864	3,587	66,496
North Dakota			
January 2022 - March 2022.....	14,603	6,742	93,100
October 2022 - December 2022.....	15,217	7,107	103,600
January 2023 - March 2023.....	14,926	7,010	103,600
Ohio			
January 2022 - March 2022.....	13,447	5,986	79,900
October 2022 - December 2022.....	12,481	5,678	79,900
January 2023 - March 2023.....	13,012	5,795	79,900
Pennsylvania			
January 2022 - March 2022.....	10,308	4,778	78,000
October 2022 - December 2022.....	11,381	5,302	78,000
January 2023 - March 2023.....	11,071	5,128	77,300
Texas			
January 2022 - March 2022.....	13,343	6,219	92,000
October 2022 - December 2022.....	14,139	6,516	92,000
January 2023 - March 2023.....	13,506	6,223	92,000
Other States ¹			
January 2022 - March 2022.....	11,010	5,178	78,407
October 2022 - December 2022.....	11,133	5,220	78,407
January 2023 - March 2023.....	11,001	5,149	78,407
United States			
January 2022 - March 2022.....	230,268	106,471	1,600,330
October 2022 - December 2022.....	229,463	106,547	1,584,686
January 2023 - March 2023.....	225,359	104,807	1,590,986

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

Flour Milling Production, and Capacity – United States: January 2023 - March 2023 with Comparisons

Item	January - March 2022	October - December 2022	January - March 2023
All wheat			
Wheat ground for flour1,000 bushels	230,268	229,463	225,359
Flour production1,000 cwt	106,471	106,547	104,807
Whole wheat flour production1,000 cwt	5,250	4,741	4,503
Millfeed production tons	1,666,162	1,663,208	1,618,954
Daily 24-hour capacity cwt	1,600,330	1,584,686	1,590,986
Wheat, excluding durum			
Wheat ground for flour1,000 bushels	214,254	212,942	208,131
Flour production1,000 cwt	98,855	98,528	96,464
Whole wheat production1,000 cwt	5,155	4,621	4,399
Millfeed production tons	1,557,623	1,560,123	1,508,641
Daily 24-hour capacity cwt	1,468,600	1,449,956	1,456,256
Wheat, durum			
Wheat ground for flour and semolina1,000 bushels	16,014	16,521	17,228
Durum flour and semolina production1,000 cwt	7,616	8,019	8,343
Whole wheat durum flour and semolina production1,000 cwt	95	120	104
Millfeed production tons	108,539	103,085	110,313
Daily 24-hour capacity cwt	131,730	134,730	134,730
Rye			
Rye ground for flour1,000 bushels	441	390	418
Flour production1,000 cwt	200	178	189
Millfeed production tons	814	620	737
Daily 24-hour capacity cwt	9,655	9,655	9,655

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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- 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 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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