



# Flour Milling Products

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## Highlights

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

**Third Quarter 2023**, July through September, contained 92 days.

**Fourth Quarter 2023**, October through December, contained 92 days.

**All wheat** ground for flour during the fourth quarter 2023 was 226 million bushels, down 2 percent from the third quarter 2023 grind of 231 million bushels and down 1 percent from the fourth quarter 2022 grind of 229 million bushels. Fourth quarter 2023 total flour production was 105 million hundredweight, down 2 percent from the third quarter 2023 and down 1 percent from the fourth quarter 2022. Whole wheat flour production at 4.58 million hundredweight during the fourth quarter 2023 accounted for 4 percent of the total flour production. Millfeed production from wheat in the fourth quarter 2023 was 1.61 million tons. The daily 24-hour milling capacity of wheat flour during the fourth quarter 2023 was 1.59 million hundredweight.

**Durum wheat** ground for flour and semolina production during the fourth quarter of 2023 totaled 17.0 million bushels, up 6 percent from the third quarter 2023 and up 3 percent from the fourth quarter 2022. Fourth quarter 2023 durum flour and semolina production was 7.98 million hundredweight, up 5 percent from the third quarter 2023 but down less than 1 percent from the fourth quarter 2022. Whole wheat durum flour and semolina production was 76,000 hundredweight, down 32 percent from 111,000 hundredweight in the third quarter 2023 and down 37 percent from 120,000 hundredweight from the fourth quarter 2022. Fourth quarter durum wheat millfeed production was 107,726 tons and the daily 24-hour milling capacity for durum and semolina production was 134,730 hundredweight.

**Rye** ground for flour during the fourth quarter of 2023 was 390,000 bushels, down less than 1 percent from the third quarter 2023 but unchanged from the fourth quarter 2022. Rye flour production during the fourth quarter of 2023 was 174,000 hundredweight, compared to 174,000 hundredweight in the previous quarter and 178,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the fourth quarter 2023.

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

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
California			
October 2022 - December 2022 .....	16,574	7,659	108,600
July 2023 - September 2023.....	16,496	7,590	108,600
October 2023 - December 2023 .....	15,776	7,392	108,600
Colorado and Oklahoma			
October 2022 - December 2022 .....	7,884	3,798	55,780
July 2023 - September 2023.....	8,151	4,087	55,780
October 2023 - December 2023 .....	8,295	4,040	55,780
Florida, Georgia, and South Carolina			
October 2022 - December 2022 .....	9,884	4,648	62,000
July 2023 - September 2023.....	9,772	4,532	62,000
October 2023 - December 2023 .....	9,914	4,679	62,000
Idaho, Montana, Oregon, Utah, and Washington			
October 2022 - December 2022 .....	16,647	7,705	119,387
July 2023 - September 2023.....	16,131	7,576	119,387
October 2023 - December 2023 .....	15,960	7,468	119,387
Illinois, Indiana, and Wisconsin			
October 2022 - December 2022 .....	25,185	11,714	163,252
July 2023 - September 2023.....	25,990	12,194	163,252
October 2023 - December 2023 .....	24,605	11,672	163,252
Iowa and Nebraska			
October 2022 - December 2022 .....	6,920	3,172	50,894
July 2023 - September 2023.....	6,241	2,900	50,894
October 2023 - December 2023 .....	6,252	2,872	50,894
Kansas			
October 2022 - December 2022 .....	16,235	7,492	111,800
July 2023 - September 2023.....	16,338	7,463	111,800
October 2023 - December 2023 .....	15,911	7,410	111,800
Kentucky and Tennessee			
October 2022 - December 2022 .....	8,759	3,969	57,000
July 2023 - September 2023.....	8,729	4,090	59,000
October 2023 - December 2023 .....	8,376	3,878	59,000
Maryland and Virginia			
October 2022 - December 2022 .....	6,703	3,038	48,500
July 2023 - September 2023.....	6,587	2,963	48,500
October 2023 - December 2023 .....	6,443	2,874	48,500
Michigan			
October 2022 - December 2022 .....	5,705	2,496	39,700
July 2023 - September 2023.....	5,815	2,610	39,700
October 2023 - December 2023 .....	5,612	2,524	39,700
Minnesota			
October 2022 - December 2022 .....	11,080	5,178	80,120
July 2023 - September 2023.....	11,219	5,274	80,120
October 2023 - December 2023 .....	10,930	5,065	80,120
Missouri			
October 2022 - December 2022 .....	12,659	5,963	92,800
July 2023 - September 2023.....	12,773	5,996	92,800
October 2023 - December 2023 .....	12,674	5,851	92,800
New Jersey and New York			
October 2022 - December 2022 .....	13,301	6,422	101,450
July 2023 - September 2023.....	13,853	6,356	101,450
October 2023 - December 2023 .....	14,003	6,447	101,450

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
October 2023 - December 2023 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
October 2022 - December 2022.....	7,576	3,470	61,496
July 2023 - September 2023 .....	8,002	3,647	66,496
October 2023 - December 2023.....	7,973	3,649	66,496
North Dakota			
October 2022 - December 2022.....	15,217	7,107	103,600
July 2023 - September 2023 .....	15,552	7,175	104,000
October 2023 - December 2023.....	16,154	7,454	104,000
Ohio			
October 2022 - December 2022.....	12,481	5,678	79,900
July 2023 - September 2023 .....	12,599	5,639	79,900
October 2023 - December 2023.....	12,204	5,495	79,900
Pennsylvania			
October 2022 - December 2022.....	11,381	5,302	78,000
July 2023 - September 2023 .....	11,413	5,336	77,300
October 2023 - December 2023.....	10,837	5,045	77,300
Texas			
October 2022 - December 2022.....	14,139	6,516	92,000
July 2023 - September 2023 .....	13,506	6,184	86,000
October 2023 - December 2023.....	13,292	6,150	86,000
Other States <sup>1</sup>			
October 2022 - December 2022.....	11,133	5,220	78,407
July 2023 - September 2023 .....	11,335	5,258	78,407
October 2023 - December 2023.....	10,915	5,141	78,407
United States			
October 2022 - December 2022.....	229,463	106,547	1,584,686
July 2023 - September 2023 .....	230,502	106,870	1,585,386
October 2023 - December 2023.....	226,126	105,106	1,585,386

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

## Flour Milling Production, and Capacity – United States: October 2023 - December 2023 with Comparisons

Item	October - December 2022	July - September 2023	October - December 2023
<b>All wheat</b>			
Wheat ground for flour .....1,000 bushels	229,463	230,502	226,126
Flour production .....1,000 cwt	106,547	106,870	105,106
Whole wheat flour production .....1,000 cwt	4,741	4,612	4,580
Millfeed production .....tons	1,663,208	1,684,872	1,612,864
Daily 24-hour capacity ..... cwt	1,584,686	1,585,386	1,585,386
<b>Wheat, excluding durum</b>			
Wheat ground for flour .....1,000 bushels	212,942	214,420	209,128
Flour production .....1,000 cwt	98,528	99,230	97,122
Whole wheat production .....1,000 cwt	4,621	4,501	4,504
Millfeed production .....tons	1,560,123	1,579,027	1,505,138
Daily 24-hour capacity ..... cwt	1,449,956	1,450,656	1,450,656
<b>Wheat, durum</b>			
Wheat ground for flour and semolina .....1,000 bushels	16,521	16,082	16,998
Durum flour and semolina production .....1,000 cwt	8,019	7,640	7,984
Whole wheat durum flour and semolina production .....1,000 cwt	120	111	76
Millfeed production .....tons	103,085	105,845	107,726
Daily 24-hour capacity ..... cwt	134,730	134,730	134,730
<b>Rye</b>			
Rye ground for flour .....1,000 bushels	390	391	390
Flour production .....1,000 cwt	178	174	174
Millfeed production .....tons	620	669	659
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](mailto: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](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).

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