



Flour Milling Products

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Highlights

Third Quarter 2022, July through September, contained 92 days.

Second Quarter 2023, April through June, contained 91 days.

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

All wheat ground for flour during the third quarter 2023 was 231 million bushels, up 4 percent from the second quarter 2023 grind of 222 million bushels but down 3 percent from the third quarter 2022 grind of 237 million bushels. Third quarter 2023 total flour production was 107 million hundredweight, up 4 percent from the second quarter 2023 but down 3 percent from the third quarter 2022. Whole wheat flour production at 4.61 million hundredweight during the third quarter 2023 accounted for 4 percent of the total flour production. Millfeed production from wheat in the third quarter 2023 was 1.68 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2023 was 1.58 million hundredweight.

Durum wheat ground for flour and semolina production during the third quarter of 2023 totaled 16.1 million bushels, up 11 percent from the second quarter 2023 and up 2 percent from the third quarter 2022. Third quarter 2023 durum flour and semolina production was 7.64 million hundredweight, up 10 percent from the second quarter 2023 and up 2 percent from the third quarter 2022. Whole wheat durum flour and semolina production was 111,000 hundredweight, up 32 percent from 84,000 hundredweight in the second quarter 2023 but down 10 percent from 123,000 hundredweight in the third quarter 2022. Third quarter durum wheat millfeed production was 105,845 tons and the daily 24-hour milling capacity for durum and semolina production was 134,730 hundredweight.

Rye ground for flour during the third quarter of 2023 was 391,000 bushels, up 29 percent from the second quarter 2023 but down 5 percent from the third quarter 2022. Rye flour production during the third quarter of 2023 was 174,000 hundredweight, compared to 137,000 hundredweight in the previous quarter and 186,000 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 2023.

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

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
California			
July 2022 - September 2022.....	16,414	7,613	108,600
April 2023 - June 2023.....	16,442	7,628	108,600
July 2023 - September 2023.....	16,496	7,590	108,600
Colorado and Oklahoma			
July 2022 - September 2022.....	7,955	3,802	55,780
April 2023 - June 2023.....	7,856	3,713	55,780
July 2023 - September 2023.....	8,151	4,087	55,780
Florida, Georgia, and South Carolina			
July 2022 - September 2022.....	9,656	4,438	62,000
April 2023 - June 2023.....	9,567	4,478	62,000
July 2023 - September 2023.....	9,772	4,532	62,000
Idaho, Montana, Oregon, Utah, and Washington			
July 2022 - September 2022.....	16,644	7,838	125,387
April 2023 - June 2023.....	16,252	7,666	119,387
July 2023 - September 2023.....	16,131	7,576	119,387
Illinois, Indiana, and Wisconsin			
July 2022 - September 2022.....	25,936	12,075	163,252
April 2023 - June 2023.....	24,717	11,552	163,252
July 2023 - September 2023.....	25,990	12,194	163,252
Iowa and Nebraska			
July 2022 - September 2022.....	9,435	4,379	55,894
April 2023 - June 2023.....	5,728	2,575	50,894
July 2023 - September 2023.....	6,241	2,900	50,894
Kansas			
July 2022 - September 2022.....	16,881	7,754	111,800
April 2023 - June 2023.....	16,303	7,538	111,800
July 2023 - September 2023.....	16,338	7,463	111,800
Kentucky and Tennessee			
July 2022 - September 2022.....	9,184	4,262	57,000
April 2023 - June 2023.....	8,385	3,882	59,000
July 2023 - September 2023.....	8,729	4,090	59,000
Maryland and Virginia			
July 2022 - September 2022.....	7,040	3,183	48,644
April 2023 - June 2023.....	6,443	2,932	48,500
July 2023 - September 2023.....	6,587	2,963	48,500
Michigan			
July 2022 - September 2022.....	6,154	2,737	39,700
April 2023 - June 2023.....	5,333	2,394	39,700
July 2023 - September 2023.....	5,815	2,610	39,700
Minnesota			
July 2022 - September 2022.....	11,321	5,280	80,120
April 2023 - June 2023.....	10,845	5,039	80,120
July 2023 - September 2023.....	11,219	5,274	80,120
Missouri			
July 2022 - September 2022.....	12,625	6,156	92,800
April 2023 - June 2023.....	11,159	5,161	92,800
July 2023 - September 2023.....	12,773	5,996	92,800
New Jersey and New York			
July 2022 - September 2022.....	13,916	6,528	101,450
April 2023 - June 2023.....	13,213	6,326	101,450
July 2023 - September 2023.....	13,853	6,356	101,450

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2023 - September 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			
July 2022 - September 2022	8,079	3,678	61,496
April 2023 - June 2023.....	7,894	3,632	66,496
July 2023 - September 2023	8,002	3,647	66,496
North Dakota			
July 2022 - September 2022	15,213	6,904	103,600
April 2023 - June 2023.....	14,729	6,801	103,600
July 2023 - September 2023	15,552	7,175	103,600
Ohio			
July 2022 - September 2022	13,976	6,217	79,900
April 2023 - June 2023.....	11,844	5,355	79,900
July 2023 - September 2023	12,599	5,639	79,900
Pennsylvania			
July 2022 - September 2022	11,044	5,106	78,000
April 2023 - June 2023.....	10,959	5,152	77,300
July 2023 - September 2023	11,413	5,336	77,300
Texas			
July 2022 - September 2022	14,122	6,480	92,000
April 2023 - June 2023.....	13,144	6,070	86,000
July 2023 - September 2023	13,506	6,184	86,000
Other States ¹			
July 2022 - September 2022	11,609	5,429	78,407
April 2023 - June 2023.....	11,138	5,080	78,407
July 2023 - September 2023	11,335	5,258	78,407
United States			
July 2022 - September 2022	237,204	109,859	1,595,830
April 2023 - June 2023.....	221,951	102,974	1,584,986
July 2023 - September 2023	230,502	106,870	1,584,986

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

Flour Milling Production, and Capacity – United States: July 2023 - September 2023 with Comparisons

Item	July - September 2022	April - June 2023	July - September 2023
All wheat			
Wheat ground for flour..... 1,000 bushels	237,204	221,951	230,502
Flour production..... 1,000 cwt	109,859	102,974	106,870
Whole wheat flour production 1,000 cwt	4,630	4,289	4,612
Millfeed production..... tons	1,718,246	1,609,531	1,684,872
Daily 24-hour capacity..... cwt	1,595,830	1,584,986	1,584,986
Wheat, excluding durum			
Wheat ground for flour..... 1,000 bushels	221,496	207,439	214,420
Flour production..... 1,000 cwt	102,352	96,036	99,230
Whole wheat production 1,000 cwt	4,507	4,205	4,501
Millfeed production..... tons	1,614,369	1,516,980	1,579,027
Daily 24-hour capacity..... cwt	1,461,100	1,450,256	1,450,256
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	15,708	14,512	16,082
Durum flour and semolina production 1,000 cwt	7,507	6,938	7,640
Whole wheat durum flour and semolina production..... 1,000 cwt	123	84	111
Millfeed production..... tons	103,877	92,551	105,845
Daily 24-hour capacity..... cwt	134,730	134,730	134,730
Rye			
Rye ground for flour..... 1,000 bushels	411	304	391
Flour production..... 1,000 cwt	186	137	174
Millfeed production tons	777	489	669
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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