



Flour Milling Products

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Highlights

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

First Quarter 2024, January through March, contained 91 days.

Second Quarter 2024, April through June, contained 91 days.

All wheat ground for flour during the second quarter 2024 was 226 million bushels, down less than 1 percent from the first quarter 2024 grind of 227 million bushels but up 2 percent from the second quarter 2023 grind of 222 million bushels. Second quarter 2024 total flour production was 105 million hundredweight, down 1 percent from the first quarter 2024 but up 2 percent from the second quarter 2023. Whole wheat flour production at 4.32 million hundredweight during the second quarter 2024 accounted for 4 percent of the total flour production. Millfeed production from wheat in the second quarter 2024 was 1.61 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2024 was 1.60 million hundredweight.

Durum wheat ground for flour and semolina production during the second quarter of 2024 totaled 15.2 million bushels, down 9 percent from the first quarter 2024 but up 5 percent from the second quarter 2023. Second quarter 2024 durum flour and semolina production was 7.33 million hundredweight, down 9 percent from the first quarter 2024 but up 6 percent from the second quarter 2023. Whole wheat durum flour and semolina production was 79,000 hundredweight, up 46 percent from 54,000 hundredweight in the first quarter 2024 but down 6 percent from 84,000 hundredweight from the second quarter 2023. Second quarter durum wheat millfeed production was 96,733 tons and the daily 24-hour milling capacity for durum and semolina production was 134,730 hundredweight.

Rye ground for flour during the second quarter of 2024 was 382,000 bushels, up 1 percent from the first quarter 2024 and up 26 percent from the second quarter 2023. Rye flour production during the second quarter of 2024 was 172,000 hundredweight, compared to 175,000 hundredweight in the previous quarter and 137,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the second quarter 2024.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2024 - June 2024 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
April 2023 - June 2023	16,442	7,628	108,600
January 2024 - March 2024	16,093	7,448	109,600
April 2024 - June 2024	15,564	7,361	109,600
Colorado and Oklahoma			
April 2023 - June 2023	7,856	3,713	55,780
January 2024 - March 2024	8,003	3,883	55,780
April 2024 - June 2024	8,260	3,977	55,780
Florida, Georgia, and South Carolina			
April 2023 - June 2023	9,567	4,478	62,000
January 2024 - March 2024	9,692	4,558	62,000
April 2024 - June 2024	9,151	4,268	62,000
Idaho, Montana, Oregon, Utah, and Washington			
April 2023 - June 2023	16,252	7,666	119,387
January 2024 - March 2024	15,971	7,557	119,387
April 2024 - June 2024	16,389	7,642	119,387
Illinois, Indiana, and Wisconsin			
April 2023 - June 2023	24,717	11,552	163,252
January 2024 - March 2024	24,831	11,700	163,252
April 2024 - June 2024	25,215	11,735	163,252
Iowa and Nebraska			
April 2023 - June 2023	5,728	2,575	50,894
January 2024 - March 2024	6,705	3,109	50,850
April 2024 - June 2024	6,561	3,005	50,850
Kansas			
April 2023 - June 2023	16,303	7,538	111,800
January 2024 - March 2024	16,249	7,525	111,800
April 2024 - June 2024	16,331	7,528	111,800
Kentucky and Tennessee			
April 2023 - June 2023	8,385	3,882	59,000
January 2024 - March 2024	8,739	4,084	59,000
April 2024 - June 2024	8,677	3,977	59,000
Maryland and Virginia			
April 2023 - June 2023	6,443	2,932	48,500
January 2024 - March 2024	6,012	2,716	48,500
April 2024 - June 2024	5,837	2,680	48,500
Michigan			
April 2023 - June 2023	5,333	2,394	39,700
January 2024 - March 2024	5,829	2,672	47,700
April 2024 - June 2024	5,938	2,708	47,700
Minnesota			
April 2023 - June 2023	10,845	5,039	80,120
January 2024 - March 2024	10,615	4,952	80,120
April 2024 - June 2024	10,773	4,983	80,120
Missouri			
April 2023 - June 2023	11,159	5,161	92,800
January 2024 - March 2024	13,205	6,176	92,800
April 2024 - June 2024	12,610	5,893	92,800
New Jersey and New York			
April 2023 - June 2023	13,213	6,326	101,450
January 2024 - March 2024	13,467	6,260	101,450
April 2024 - June 2024	13,721	6,373	101,450

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2024 - June 2024 with Comparisons (continued)**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
North Carolina			
April 2023 - June 2023.....	7,894	3,632	67,796
January 2024 - March 2024.....	8,041	3,665	67,796
April 2024 - June 2024.....	7,847	3,593	67,796
North Dakota			
April 2023 - June 2023.....	14,729	6,801	103,600
January 2024 - March 2024.....	15,404	7,240	104,000
April 2024 - June 2024.....	15,972	7,424	106,000
Ohio			
April 2023 - June 2023.....	11,844	5,355	89,600
January 2024 - March 2024.....	12,492	5,593	89,600
April 2024 - June 2024.....	12,040	5,423	89,600
Pennsylvania			
April 2023 - June 2023.....	10,959	5,152	77,300
January 2024 - March 2024.....	10,990	5,113	77,300
April 2024 - June 2024.....	11,250	5,297	77,300
Texas			
April 2023 - June 2023.....	13,144	6,070	86,000
January 2024 - March 2024.....	13,137	6,094	86,000
April 2024 - June 2024.....	13,248	6,079	86,000
Other States ¹			
April 2023 - June 2023.....	11,138	5,080	78,407
January 2024 - March 2024.....	11,070	5,187	78,407
April 2024 - June 2024.....	10,622	4,962	72,907
United States			
April 2023 - June 2023.....	221,951	102,974	1,595,986
January 2024 - March 2024.....	226,545	105,532	1,605,342
April 2024 - June 2024.....	226,006	104,908	1,601,842

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

Flour Milling Production, and Capacity – United States: April 2024 - June 2024 with Comparisons

Item	April - June 2023	January - March 2024	April - June 2024
All wheat			
Wheat ground for flour..... 1,000 bushels	221,951	226,545	226,006
Flour production..... 1,000 cwt	102,974	105,532	104,908
Whole wheat flour production 1,000 cwt	4,289	4,686	4,315
Millfeed production..... tons	1,590,508	1,606,401	1,605,149
Daily 24-hour capacity..... cwt	1,595,986	1,605,342	1,601,842
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	207,439	209,854	210,811
Flour production..... 1,000 cwt	96,036	97,494	97,576
Whole wheat production 1,000 cwt	4,205	4,632	4,236
Millfeed production tons	1,497,957	1,500,759	1,508,416
Daily 24-hour capacity..... cwt	1,461,256	1,470,612	1,467,112
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	14,512	16,691	15,195
Durum flour and semolina production 1,000 cwt	6,938	8,038	7,332
Whole wheat durum flour and semolina production..... 1,000 cwt	84	54	79
Millfeed production tons	92,551	105,642	96,733
Daily 24-hour capacity..... cwt	134,730	134,730	134,730
Rye			
Rye ground for flour..... 1,000 bushels	304	377	382
Flour production..... 1,000 cwt	137	175	172
Millfeed production tons	489	621	638
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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