



Flour Milling Products

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Highlights

Second Quarter 2021, April through June, contained 91 days.

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

Second Quarter 2022, April through June, contained 91 days.

All wheat ground for flour during the second quarter 2022 was 232 million bushels, up 1 percent from the first quarter 2022 grind of 230 million bushels and up 4 percent from the second quarter 2021 grind of 223 million bushels. Second quarter 2022 total flour production was 107 million hundredweight, up 1 percent from the first quarter 2022 and up 4 percent from the second quarter 2021. Whole wheat flour production at 4.54 million hundredweight during the second quarter 2022 accounted for 4 percent of the total flour production. Millfeed production from wheat in the second quarter 2022 was 1.68 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2022 was 1.59 million hundredweight.

Durum wheat ground for flour and semolina production during the second quarter of 2022 totaled 15.4 million bushels, down 4 percent from the first quarter 2022 but up less than 1 percent from the second quarter 2021. Second quarter 2022 durum flour and semolina production was 7.49 million hundredweight, down 2 percent from the first quarter 2022 but up 3 percent from the second quarter 2021. Whole wheat durum flour and semolina production was 84.0 thousand hundredweight, down 12 percent from 95.0 thousand hundredweight in the first quarter 2022 and down 43 percent from 147 thousand hundredweight from the second quarter 2021. Second quarter durum wheat millfeed production was 102 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 135 thousand hundredweight.

Rye ground for flour during the second quarter of 2022 was 391 thousand bushels, down 11 percent from the first quarter 2022 and down 12 percent from the second quarter 2021. Rye flour production during the second quarter of 2022 was 174 thousand hundredweight, compared to 200 thousand hundredweight in the previous quarter and 201 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9.66 thousand hundredweight for the second quarter 2022.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2022 - June 2022 with Comparisons**

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
California			
April 2021 - June 2021	16,083	7,483	108,600
January 2022 - March 2022	16,539	7,644	108,600
April 2022 - June 2022	16,072	7,457	108,600
Colorado and Oklahoma			
April 2021 - June 2021	7,194	3,431	56,780
January 2022 - March 2022	8,011	3,773	55,780
April 2022 - June 2022	7,645	3,663	55,780
Florida, Georgia, and South Carolina			
April 2021 - June 2021	8,595	3,899	59,000
January 2022 - March 2022	9,445	4,311	76,500
April 2022 - June 2022	9,511	4,424	62,000
Idaho, Montana, Oregon, Utah, and Washington			
April 2021 - June 2021	16,499	7,716	125,387
January 2022 - March 2022	16,506	7,719	125,387
April 2022 - June 2022	16,289	7,631	125,387
Illinois, Indiana, and Wisconsin			
April 2021 - June 2021	23,934	11,253	163,252
January 2022 - March 2022	25,287	11,865	163,252
April 2022 - June 2022	24,632	11,805	163,252
Iowa and Nebraska			
April 2021 - June 2021	7,834	3,550	55,894
January 2022 - March 2022	9,532	4,398	55,894
April 2022 - June 2022	9,199	4,328	55,894
Kansas			
April 2021 - June 2021	14,698	6,954	111,132
January 2022 - March 2022	15,693	7,395	112,300
April 2022 - June 2022	16,081	7,474	111,800
Kentucky and Tennessee			
April 2021 - June 2021	8,365	3,908	57,000
January 2022 - March 2022	9,074	4,173	57,000
April 2022 - June 2022	8,983	4,130	57,000
Maryland and Virginia			
April 2021 - June 2021	6,149	2,797	48,644
January 2022 - March 2022	6,861	3,121	48,644
April 2022 - June 2022	7,284	3,294	48,644
Michigan			
April 2021 - June 2021	5,571	2,499	39,700
January 2022 - March 2022	5,696	2,544	39,700
April 2022 - June 2022	5,998	2,681	39,700
Minnesota			
April 2021 - June 2021	10,919	5,113	80,120
January 2022 - March 2022	10,853	5,100	80,120
April 2022 - June 2022	11,147	5,169	80,120
Missouri			
April 2021 - June 2021	11,679	5,431	92,800
January 2022 - March 2022	12,458	5,598	92,800
April 2022 - June 2022	12,371	5,560	92,800
New Jersey and New York			
April 2021 - June 2021	13,820	6,408	101,450
January 2022 - March 2022	13,528	6,238	101,450
April 2022 - June 2022	14,232	6,454	101,450

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2022 - June 2022 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 2021 - June 2021.....	7,917	3,596	61,496
January 2022 - March 2022.....	8,074	3,689	61,496
April 2022 - June 2022.....	7,971	3,682	61,496
North Dakota			
April 2021 - June 2021.....	14,930	6,648	93,100
January 2022 - March 2022.....	14,603	6,742	93,100
April 2022 - June 2022.....	15,231	7,101	100,100
Ohio			
April 2021 - June 2021.....	13,004	5,905	79,900
January 2022 - March 2022.....	13,447	5,986	79,900
April 2022 - June 2022.....	13,263	5,940	79,900
Pennsylvania			
April 2021 - June 2021.....	11,393	5,209	78,000
January 2022 - March 2022.....	10,308	4,778	78,000
April 2022 - June 2022.....	10,787	4,957	78,000
Texas			
April 2021 - June 2021.....	13,177	6,092	92,000
January 2022 - March 2022.....	13,343	6,219	92,000
April 2022 - June 2022.....	13,632	6,303	92,000
Other States ¹			
April 2021 - June 2021.....	11,528	5,428	78,407
January 2022 - March 2022.....	11,010	5,178	78,407
April 2022 - June 2022.....	11,352	5,354	78,407
United States			
April 2021 - June 2021.....	223,289	103,320	1,582,662
January 2022 - March 2022.....	230,268	106,471	1,600,330
April 2022 - June 2022.....	231,680	107,407	1,592,330

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

Flour Milling Production, and Capacity – United States: April 2022 - June 2022 with Comparisons

Item	April - June 2021	January - March 2022	April - June 2022
All wheat			
Wheat ground for flour.....1,000 bushels	223,289	230,268	231,680
Flour production.....1,000 cwt	103,320	106,471	107,407
Whole wheat flour production.....1,000 cwt	4,866	5,250	4,536
Millfeed production.....tons	1,627,510	1,666,162	1,684,355
Daily 24-hour capacity..... cwt	1,582,662	1,600,330	1,592,330
Wheat, excluding durum			
Wheat ground for flour.....1,000 bushels	207,979	214,254	216,298
Flour production.....1,000 cwt	96,073	98,855	99,920
Whole wheat production.....1,000 cwt	4,719	5,155	4,452
Millfeed production.....tons	1,522,072	1,557,623	1,582,210
Daily 24-hour capacity..... cwt	1,450,932	1,468,600	1,457,600
Wheat, durum			
Wheat ground for flour and semolina.....1,000 bushels	15,310	16,014	15,382
Durum flour and semolina production.....1,000 cwt	7,247	7,616	7,487
Whole wheat durum flour and semolina production.....1,000 cwt	147	95	84
Millfeed production.....tons	105,438	108,539	102,145
Daily 24-hour capacity..... cwt	131,730	131,730	134,730
Rye			
Rye ground for flour.....1,000 bushels	444	441	391
Flour production.....1,000 cwt	201	200	174
Millfeed production.....tons	890	814	700
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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