



Flour Milling Products

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Highlights

Second Quarter 2020, April through June, contained 91 days.

First Quarter 2021, January through March, contained 90 days.

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

All wheat ground for flour during the second quarter 2021 was 223 million bushels, down 1 percent from the first quarter 2021 grind of 225 million bushels but up 2 percent from the second quarter 2020 grind of 219 million bushels. Second quarter 2021 total flour production was 103 million hundredweight, down less than 1 percent from the first quarter 2021 but up 1 percent from the second quarter 2020. Whole wheat flour production at 4.87 million hundredweight during the second quarter 2021 accounted for 5 percent of the total flour production. Millfeed production from wheat in the second quarter 2021 was 1.63 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2021 was 1.59 million hundredweight.

Durum wheat ground for flour and semolina production during the second quarter of 2021 totaled 15.3 million bushels, down 11 percent from the first quarter 2021 and down 21 percent from the second quarter 2020. Second quarter 2021 durum flour and semolina production was 7.25 million hundredweight, down 10 percent from the first quarter 2021 and down 21 percent from the second quarter 2020. Whole wheat durum flour and semolina production was 147 thousand hundredweight, up 3 percent from 143 thousand hundredweight in the first quarter 2021 but down 10 percent from 164 thousand hundredweight from the second quarter 2020. Second quarter durum wheat millfeed production was 105 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 132 thousand hundredweight.

Rye ground for flour during the second quarter of 2021 was 444 thousand bushels, down 3 percent from the first quarter 2021 but up 33 percent from the second quarter 2020. Rye flour production during the second quarter of 2021 was 201 thousand hundredweight, compared to 209 thousand hundredweight in the previous quarter and 159 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 2021.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2021 - June 2021 with Comparisons**

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
April 2020 - June 2020	16,438	7,657	120,400
January 2021 - March 2021	15,978	7,415	108,600
April 2021 - June 2021	16,083	7,483	108,600
Colorado and Oklahoma			
April 2020 - June 2020	7,676	3,700	58,280
January 2021 - March 2021	7,311	3,475	58,280
April 2021 - June 2021	7,194	3,431	58,280
Florida, Georgia, and South Carolina			
April 2020 - June 2020	7,632	3,530	59,000
January 2021 - March 2021	8,830	4,038	59,000
April 2021 - June 2021	8,595	3,899	59,000
Idaho, Montana, Oregon, Utah, and Washington			
April 2020 - June 2020	15,450	7,129	127,187
January 2021 - March 2021	15,887	7,439	125,387
April 2021 - June 2021	16,499	7,716	125,387
Illinois, Indiana, and Wisconsin			
April 2020 - June 2020	22,932	10,953	163,252
January 2021 - March 2021	25,011	11,772	163,252
April 2021 - June 2021	23,934	11,253	163,252
Iowa and Nebraska			
April 2020 - June 2020	8,517	3,909	55,894
January 2021 - March 2021	8,267	3,737	55,894
April 2021 - June 2021	7,834	3,550	55,894
Kansas			
April 2020 - June 2020	16,073	7,489	111,132
January 2021 - March 2021	14,751	6,891	111,132
April 2021 - June 2021	14,698	6,954	111,132
Kentucky and Tennessee			
April 2020 - June 2020	7,125	3,285	55,000
January 2021 - March 2021	8,515	3,942	57,000
April 2021 - June 2021	8,365	3,908	57,000
Maryland and Virginia			
April 2020 - June 2020	6,038	2,733	48,692
January 2021 - March 2021	6,457	2,914	48,644
April 2021 - June 2021	6,149	2,797	48,644
Michigan			
April 2020 - June 2020	4,886	2,208	39,700
January 2021 - March 2021	5,329	2,400	39,700
April 2021 - June 2021	5,571	2,499	39,700
Minnesota			
April 2020 - June 2020	10,946	5,099	94,120
January 2021 - March 2021	11,035	5,162	80,120
April 2021 - June 2021	10,919	5,113	80,120
Missouri			
April 2020 - June 2020	14,369	6,722	92,800
January 2021 - March 2021	13,087	6,049	92,800
April 2021 - June 2021	11,679	5,431	92,800
New Jersey and New York			
April 2020 - June 2020	11,667	5,640	102,550
January 2021 - March 2021	12,754	5,882	102,550
April 2021 - June 2021	13,820	6,408	102,550

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
April 2021 - June 2021 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 2020 - June 2020.....	7,790	3,568	61,496
January 2021 - March 2021.....	7,442	3,349	61,496
April 2021 - June 2021.....	7,917	3,596	61,496
North Dakota			
April 2020 - June 2020.....	13,906	6,315	93,500
January 2021 - March 2021.....	14,727	6,696	93,100
April 2021 - June 2021.....	14,930	6,648	93,100
Ohio			
April 2020 - June 2020.....	14,036	6,298	88,400
January 2021 - March 2021.....	14,016	6,301	79,900
April 2021 - June 2021.....	13,004	5,905	79,900
Pennsylvania			
April 2020 - June 2020.....	10,814	5,038	85,500
January 2021 - March 2021.....	11,032	5,008	78,500
April 2021 - June 2021.....	11,393	5,209	78,500
Texas			
April 2020 - June 2020.....	12,250	5,737	91,850
January 2021 - March 2021.....	13,039	6,003	92,000
April 2021 - June 2021.....	13,177	6,092	92,000
Other States ¹			
April 2020 - June 2020.....	10,757	5,040	78,407
January 2021 - March 2021.....	11,055	5,162	78,407
April 2021 - June 2021.....	11,528	5,428	78,407
United States			
April 2020 - June 2020.....	219,302	102,050	1,627,160
January 2021 - March 2021.....	224,523	103,635	1,585,762
April 2021 - June 2021.....	223,289	103,320	1,585,762

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

Flour Milling Production, and Capacity – United States: April 2021 - June 2021 with Comparisons

Item	April - June 2020	January - March 2021	April - June 2021
All wheat			
Wheat ground for flour..... 1,000 bushels	219,302	224,523	223,289
Flour production..... 1,000 cwt	102,050	103,635	103,320
Whole wheat flour production 1,000 cwt	4,471	4,860	4,866
Millfeed production..... tons	1,557,553	1,630,891	1,627,509
Daily 24-hour capacity..... cwt	1,627,160	1,585,762	1,585,762
Wheat, excluding durum			
Wheat ground for flour 1,000 bushels	199,866	207,284	207,979
Flour production..... 1,000 cwt	92,895	95,549	96,073
Whole wheat production 1,000 cwt	4,307	4,717	4,719
Millfeed production tons	1,425,065	1,514,285	1,522,071
Daily 24-hour capacity..... cwt	1,493,430	1,454,032	1,454,032
Wheat, durum			
Wheat ground for flour and semolina 1,000 bushels	19,436	17,239	15,310
Durum flour and semolina production 1,000 cwt	9,155	8,086	7,247
Whole wheat durum flour and semolina production..... 1,000 cwt	164	143	147
Millfeed production tons	132,488	116,606	105,438
Daily 24-hour capacity..... cwt	133,730	131,730	131,730
Rye			
Rye ground for flour..... 1,000 bushels	333	457	444
Flour production..... 1,000 cwt	159	209	201
Millfeed production tons	624	921	890
Daily 24-hour capacity..... cwt	9,685	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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