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Flour Milling Products 2021 Summary

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2021 Flour Milling Products

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2021 Annual Summary of the Flour Milling Products contains quarterly data and annual totals for 2021.

All wheat ground for flour in 2021 was 913 million bushels, down 1 percent from 2020. The **total flour production** was 421 million hundredweight, down 1 percent from 2020. **Total whole wheat flour production** in 2021 was 19.8 million hundredweight, down 2 percent from 2020.

Durum wheat ground for flour and semolina production in 2021 was 64.1 million bushels, down 10 percent from 2020. The **durum flour and semolina production** was 30.2 million hundredweight, down 11 percent from 2020. **Durum whole wheat flour and semolina production** in 2021 was 707,000 hundredweight, up 15 percent from 2020.

In 2021, **Rye ground for flour** was 1.78 million bushels, down less than 1 percent from 2020. **Rye flour production** was 810,000 hundredweight, down 2 percent from 2020.

All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2021

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January - March.....	15,978	7,415	108,600
April - June.....	16,083	7,483	108,600
July - September	16,444	7,608	108,600
October - December	16,557	7,608	108,600
Total 2021	65,062	30,114	(X)
Colorado and Oklahoma			
January - March.....	7,311	3,475	56,780
April - June.....	7,194	3,431	56,780
July - September	8,047	3,812	56,780
October - December	7,987	3,854	55,780
Total 2021	30,539	14,572	(X)
Florida, Georgia, and South Carolina			
January - March.....	8,830	4,038	59,000
April - June.....	8,595	3,899	59,000
July - September	9,387	4,207	59,000
October - December	9,160	4,136	59,000
Total 2021	35,972	16,280	(X)
Idaho, Montana, Oregon, Utah and Washington			
January - March.....	15,887	7,439	125,387
April - June.....	16,499	7,716	125,387
July - September	16,114	7,579	125,387
October - December	16,435	7,478	125,387
Total 2021	64,935	30,212	(X)
Illinois, Indiana, and Wisconsin			
January - March.....	25,011	11,772	163,252
April - June.....	23,934	11,253	163,252
July - September	25,083	11,663	163,252
October - December	25,223	11,807	163,252
Total 2021	99,251	46,495	(X)
Iowa and Nebraska			
January - March.....	8,267	3,737	55,894
April - June.....	7,834	3,550	55,894
July - September	8,220	3,721	55,894
October - December	9,522	4,304	55,894
Total 2021	33,843	15,312	(X)
Kansas			
January - March.....	14,751	6,891	111,132
April - June.....	14,698	6,954	111,132
July - September	16,029	7,445	111,132
October - December	16,101	7,519	112,300
Total 2021	61,579	28,809	(X)
Kentucky and Tennessee			
January - March.....	8,515	3,942	57,000
April - June.....	8,365	3,908	57,000
July - September	8,803	4,075	57,000
October - December	9,183	4,116	57,000
Total 2021	34,866	16,041	(X)
Maryland and Virginia			
January - March.....	6,457	2,914	48,644
April - June.....	6,149	2,797	48,644
July - September	6,742	3,041	48,644
October - December	6,493	2,953	48,644
Total 2021	25,841	11,705	(X)

See footnote(s) at end of table.

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All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2021 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
Michigan			
January - March	5,329	2,400	39,700
April - June.....	5,571	2,499	39,700
July - September	5,722	2,556	39,700
October - December.....	6,065	2,716	39,700
Total 2021.....	22,687	10,171	(X)
Minnesota			
January - March	11,035	5,162	80,120
April - June.....	10,919	5,113	80,120
July - September	11,421	5,320	80,120
October - December.....	11,643	5,461	80,120
Total 2021.....	45,018	21,056	(X)
Missouri			
January - March	13,087	6,049	92,800
April - June.....	11,679	5,431	92,800
July - September	12,162	5,604	92,800
October - December.....	12,595	5,825	92,800
Total 2021.....	49,523	22,909	(X)
New Jersey and New York			
January - March	12,754	5,882	101,450
April - June.....	13,820	6,408	101,450
July - September	14,295	6,596	101,450
October - December.....	14,228	6,551	101,450
Total 2021.....	55,097	25,437	(X)
North Carolina			
January - March	7,442	3,349	61,496
April - June.....	7,917	3,596	61,496
July - September	8,280	3,770	61,496
October - December.....	7,915	3,600	61,496
Total 2021.....	31,554	14,315	(X)
North Dakota			
January - March	14,727	6,696	93,100
April - June.....	14,930	6,648	93,100
July - September	14,369	6,392	93,100
October - December.....	14,679	6,656	93,100
Total 2021.....	58,705	26,392	(X)
Ohio			
January - March	14,016	6,301	79,900
April - June.....	13,004	5,905	79,900
July - September	13,185	5,889	79,900
October - December.....	14,021	6,324	79,900
Total 2021.....	54,226	24,419	(X)
Pennsylvania			
January - March	11,032	5,008	78,000
April - June.....	11,393	5,209	78,000
July - September	11,575	5,294	78,000
October - December.....	11,740	5,360	78,000
Total 2021.....	45,740	20,871	(X)

See footnote(s) at end of table.

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All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2021 (continued)

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
Texas			
January - March.....	13,039	6,003	92,000
April - June.....	13,177	6,092	92,000
July - September	13,212	6,104	92,000
October - December	13,745	6,363	92,000
Total 2021	53,173	24,562	(X)
Other States ¹			
January - March.....	11,055	5,162	78,407
April - June.....	11,528	5,428	78,407
July - September	11,717	5,485	78,407
October - December	11,469	5,429	78,407
Total 2021	45,769	21,504	(X)
United States			
January - March.....	224,523	103,635	1,582,662
April - June.....	223,289	103,320	1,582,662
July - September	230,807	106,161	1,582,662
October - December	234,761	108,060	1,582,830
Total 2021	913,380	421,176	(X)

(X) Not applicable.

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

Flour Milling Production, and Capacity – United States: 2021

Item	January - March	April - June	July - September	October - December	Total 2021
All wheat					
Wheat ground for flour..... 1,000 bushels	224,523	223,289	230,807	234,761	913,380
Flour production..... 1,000 cwt	103,635	103,320	106,161	108,060	421,176
Whole wheat flour production..... 1,000 cwt	4,860	4,866	4,974	5,088	19,788
Millfeed production..... tons	1,630,892	1,627,510	1,683,427	1,697,294	6,639,123
Daily 24-hour capacity.....cwt	1,582,662	1,582,662	1,582,662	1,582,830	(X)
Wheat, excluding durum					
Wheat ground for flour..... 1,000 bushels	207,284	207,979	215,146	218,851	849,260
Flour production..... 1,000 cwt	95,549	96,073	98,856	100,518	390,996
Whole wheat production..... 1,000 cwt	4,717	4,719	4,736	4,909	19,081
Millfeed production..... tons	1,514,286	1,522,072	1,579,755	1,587,926	6,204,039
Daily 24-hour capacity.....cwt	1,450,932	1,450,932	1,450,932	1,451,100	(X)
Wheat, durum					
Wheat ground for flour and semolina..... 1,000 bushels	17,239	15,310	15,661	15,910	64,120
Durum flour and semolina production..... 1,000 cwt	8,086	7,247	7,305	7,542	30,180
Whole wheat durum flour and semolina production..... 1,000 cwt	143	147	238	179	707
Millfeed production..... tons	116,606	105,438	103,672	109,368	435,084
Daily 24-hour capacity.....cwt	131,730	131,730	131,730	131,730	(X)
Rye					
Rye ground for flour..... 1,000 bushels	457	444	431	449	1,781
Flour production..... 1,000 cwt	209	201	193	207	810
Millfeed production..... tons	921	890	(D)	(D)	3,420
Daily 24-hour capacity.....cwt	9,655	9,655	9,655	9,655	(X)

(D) Withheld to avoid disclosing data for individual operations.

(X) Not applicable.

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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Irwin Anolik – Crop Weather	(202) 720-7621
Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

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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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