



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 2470-9921

Flour Milling Products 2023 Summary

May 2024

USDA



2023 Flour Milling Products

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2023 Annual Summary of the Flour Milling Products contains quarterly data and annual totals for 2023.

All wheat ground for flour in 2023 was 904 million bushels, down 3 percent from 2022. The **total flour production** was 420 million hundredweight, down 2 percent from 2022. **Total whole wheat flour production** in 2023 was 18.0 million hundredweight, down 6 percent from 2022.

Durum wheat ground for flour and semolina production in 2023 was 64.8 million bushels, up 2 percent from 2022. The **durum flour and semolina production** was 30.9 million hundredweight, up 1 percent from 2022. **Durum whole wheat flour and semolina production** in 2023 was 375,000 hundredweight, down 11 percent from 2022.

In 2023, **Rye ground for flour** was 1.50 million bushels, down 8 percent from 2022. **Rye flour production** was 674,000 hundredweight, down 9 percent from 2022.

All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2023

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January - March.....	15,793	7,344	108,600
April - June.....	16,442	7,628	108,600
July - September	16,496	7,590	108,600
October - December.....	15,776	7,392	108,600
Total 2023	64,507	29,954	(X)
Colorado and Oklahoma			
January - March.....	7,812	3,710	55,780
April - June.....	7,856	3,713	55,780
July - September	8,151	4,087	55,780
October - December.....	8,295	4,040	55,780
Total 2023	32,114	15,550	(X)
Florida, Georgia, and South Carolina			
January - March.....	9,984	4,634	62,000
April - June.....	9,567	4,478	62,000
July - September	9,772	4,532	62,000
October - December.....	9,914	4,679	62,000
Total 2023	39,237	18,323	(X)
Idaho, Montana, Oregon, Utah and Washington			
January - March.....	15,518	7,318	119,387
April - June.....	16,252	7,666	119,387
July - September	16,131	7,576	119,387
October - December.....	15,960	7,468	119,387
Total 2023	63,861	30,028	(X)
Illinois, Indiana, and Wisconsin			
January - March.....	25,407	11,935	163,252
April - June.....	24,717	11,552	163,252
July - September	25,990	12,194	163,252
October - December.....	24,605	11,672	163,252
Total 2023	100,719	47,353	(X)
Iowa and Nebraska			
January - March.....	6,648	3,070	50,894
April - June.....	5,728	2,575	50,894
July - September	6,241	2,900	50,894
October - December.....	6,775	3,113	50,894
Total 2023	25,392	11,658	(X)
Kansas			
January - March.....	15,536	7,234	111,800
April - June.....	16,303	7,538	111,800
July - September	16,338	7,463	111,800
October - December.....	15,911	7,410	111,800
Total 2023	64,088	29,645	(X)
Kentucky and Tennessee			
January - March.....	8,633	4,006	59,000
April - June.....	8,385	3,882	59,000
July - September	8,729	4,090	59,000
October - December.....	8,376	3,878	59,000
Total 2023	34,123	15,856	(X)
Maryland and Virginia			
January - March.....	7,011	3,195	48,500
April - June.....	6,443	2,932	48,500
July - September	6,587	2,963	48,500
October - December.....	6,443	2,874	48,500
Total 2023	26,484	11,964	(X)

See footnote(s) at end of table.

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All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2023 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
Michigan			
January - March	5,741	2,568	39,700
April - June.....	5,333	2,394	39,700
July - September	5,815	2,610	39,700
October - December.....	5,612	2,524	39,700
Total 2023.....	22,501	10,096	(X)
Minnesota			
January - March	10,619	4,967	80,120
April - June.....	10,845	5,039	80,120
July - September	11,219	5,274	80,120
October - December.....	10,930	5,065	80,120
Total 2023.....	43,613	20,345	(X)
Missouri			
January - March	12,630	5,893	92,800
April - June.....	11,159	5,161	92,800
July - September	12,773	5,996	92,800
October - December.....	12,674	5,851	92,800
Total 2023.....	49,236	22,901	(X)
New Jersey and New York			
January - March	12,647	6,041	101,450
April - June.....	13,213	6,326	101,450
July - September	13,853	6,356	101,450
October - December.....	14,003	6,447	101,450
Total 2023.....	53,716	25,170	(X)
North Carolina			
January - March	7,864	3,587	67,796
April - June.....	7,894	3,632	67,796
July - September	8,002	3,647	67,796
October - December.....	7,973	3,649	67,796
Total 2023.....	31,733	14,515	(X)
North Dakota			
January - March	14,926	7,010	103,600
April - June.....	14,729	6,801	103,600
July - September	15,552	7,175	104,000
October - December.....	16,154	7,454	104,000
Total 2023.....	61,361	28,440	(X)
Ohio			
January - March	13,012	5,795	89,600
April - June.....	11,844	5,355	89,600
July - September	12,599	5,639	89,600
October - December.....	12,204	5,495	89,600
Total 2023.....	49,659	22,284	(X)
Pennsylvania			
January - March	11,071	5,128	77,300
April - June.....	10,959	5,152	77,300
July - September	11,413	5,336	77,300
October - December.....	10,837	5,045	77,300
Total 2023.....	44,280	20,661	(X)

See footnote(s) at end of table.

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All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2023 (continued)

Region	Wheat ground for flour	Wheat flour production	Daily (24-hour) capacity
	(1,000 bushels)	(1,000 cwt)	(cwt)
Texas			
January - March.....	13,506	6,223	92,000
April - June.....	13,144	6,070	86,000
July - September	13,506	6,184	86,000
October - December	13,292	6,150	86,000
Total 2023	53,448	24,627	(X)
Other States ¹			
January - March.....	11,001	5,149	78,407
April - June.....	11,138	5,080	78,407
July - September	11,335	5,258	78,407
October - December	10,915	5,141	78,407
Total 2023	44,389	20,628	(X)
United States			
January - March.....	225,359	104,807	1,601,986
April - June.....	221,951	102,974	1,595,986
July - September	230,502	106,870	1,596,386
October - December	226,649	105,347	1,596,386
Total 2023	904,461	419,998	(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: 2023

Item	January - March	April - June	July - September	October - December	Total 2023
All wheat					
Wheat ground for flour..... 1,000 bushels	225,359	221,951	230,502	226,649	904,461
Flour production..... 1,000 cwt	104,807	102,974	106,870	105,347	419,998
Whole wheat flour production..... 1,000 cwt	4,503	4,289	4,612	4,580	17,984
Millfeed production..... tons	1,618,954	1,590,508	1,665,070	1,598,055	6,472,587
Daily 24-hour capacity.....cwt	1,601,986	1,595,986	1,596,386	1,596,386	(X)
Wheat, excluding durum					
Wheat ground for flour..... 1,000 bushels	208,131	207,439	214,420	209,651	839,641
Flour production..... 1,000 cwt	96,464	96,036	99,230	97,363	389,093
Whole wheat production..... 1,000 cwt	4,399	4,205	4,501	4,504	17,609
Millfeed production..... tons	1,508,641	1,497,957	1,559,225	1,490,329	6,056,152
Daily 24-hour capacity.....cwt	1,467,256	1,461,256	1,461,656	1,461,656	(X)
Wheat, durum					
Wheat ground for flour and semolina..... 1,000 bushels	17,228	14,512	16,082	16,998	64,820
Durum flour and semolina production..... 1,000 cwt	8,343	6,938	7,640	7,984	30,905
Whole wheat durum flour and semolina production..... 1,000 cwt	104	84	111	76	375
Millfeed production..... tons	110,313	92,551	105,845	107,726	416,435
Daily 24-hour capacity.....cwt	134,730	134,730	134,730	134,730	(X)
Rye					
Rye ground for flour..... 1,000 bushels	418	304	391	390	1,503
Flour production..... 1,000 cwt	189	137	174	174	674
Millfeed production..... tons	737	489	669	659	2,554
Daily 24-hour capacity.....cwt	9,655	9,655	9,655	9,655	(X)

(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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- 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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