



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 2470-9921

Flour Milling Products 2022 Summary

May 2023

USDA



2022 Flour Milling Products

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2022 Annual Summary of the Flour Milling Products contains quarterly data and annual totals for 2022.

All wheat ground for flour in 2022 was 929 million bushels, up 2 percent from 2021. The **total flour production** was 430 million hundredweight, up 2 percent from 2021. **Total whole wheat flour production** in 2022 was 19.2 million hundredweight, down 3 percent from 2021.

Durum wheat ground for flour and semolina production in 2022 was 63.6 million bushels, down 1 percent from 2021. The **durum flour and semolina production** was 30.6 million hundredweight, up 1 percent from 2021. **Durum whole wheat flour and semolina production** in 2022 was 422,000 hundredweight, down 40 percent from 2021.

In 2022, **Rye ground for flour** was 1.63 million bushels, down 8 percent from 2021. **Rye flour production** was 738,000 hundredweight, down 9 percent from 2021.

All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2022

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
California			
January - March.....	16,539	7,644	108,600
April - June.....	16,072	7,457	108,600
July - September	16,414	7,613	108,600
October - December.....	16,574	7,659	108,600
Total 2022	65,599	30,373	(X)
Colorado and Oklahoma			
January - March.....	8,011	3,773	55,780
April - June.....	7,645	3,663	55,780
July - September	7,955	3,802	55,780
October - December.....	7,884	3,798	55,780
Total 2022	31,495	15,036	(X)
Florida, Georgia, and South Carolina			
January - March.....	9,445	4,311	76,500
April - June.....	9,511	4,424	62,000
July - September	9,656	4,438	62,000
October - December.....	9,884	4,648	62,000
Total 2022	38,496	17,821	(X)
Idaho, Montana, Oregon, Utah and Washington			
January - March.....	16,506	7,719	125,387
April - June.....	16,289	7,631	125,387
July - September	16,644	7,838	125,387
October - December.....	16,647	7,705	119,387
Total 2022	66,086	30,893	(X)
Illinois, Indiana, and Wisconsin			
January - March.....	25,287	11,865	163,252
April - June.....	24,632	11,805	163,252
July - September	25,936	12,075	163,252
October - December.....	25,185	11,714	163,252
Total 2022	101,040	47,459	(X)
Iowa and Nebraska			
January - March.....	9,532	4,398	55,894
April - June.....	9,199	4,328	55,894
July - September	9,435	4,379	55,894
October - December.....	6,920	3,172	50,894
Total 2022	35,086	16,277	(X)
Kansas			
January - March.....	15,693	7,395	112,300
April - June.....	16,081	7,474	111,800
July - September	16,881	7,754	111,800
October - December.....	16,235	7,492	111,800
Total 2022	64,890	30,115	(X)
Kentucky and Tennessee			
January - March.....	9,074	4,173	57,000
April - June.....	8,983	4,130	57,000
July - September	9,184	4,262	57,000
October - December.....	8,759	3,969	57,000
Total 2022	36,000	16,534	(X)
Maryland and Virginia			
January - March.....	6,861	3,121	48,644
April - June.....	7,284	3,294	48,644
July - September	7,040	3,183	48,644
October - December.....	6,703	3,038	48,500
Total 2022	27,888	12,636	(X)

See footnote(s) at end of table.

--continued

All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2022 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
Michigan			
January - March	5,696	2,544	39,700
April - June.....	5,998	2,681	39,700
July - September	6,154	2,737	39,700
October - December.....	5,705	2,496	39,700
Total 2022.....	23,553	10,458	(X)
Minnesota			
January - March	10,853	5,100	80,120
April - June.....	11,147	5,169	80,120
July - September	11,321	5,280	80,120
October - December.....	11,080	5,178	80,120
Total 2022.....	44,401	20,727	(X)
Missouri			
January - March	12,458	5,598	92,800
April - June.....	12,371	5,560	92,800
July - September	12,625	6,156	92,800
October - December.....	12,659	5,963	92,800
Total 2022.....	50,113	23,277	(X)
New Jersey and New York			
January - March	13,528	6,238	101,450
April - June.....	14,232	6,454	101,450
July - September	13,916	6,528	101,450
October - December.....	13,301	6,422	101,450
Total 2022.....	54,977	25,642	(X)
North Carolina			
January - March	8,074	3,689	61,496
April - June.....	7,971	3,682	61,496
July - September	8,079	3,678	61,496
October - December.....	7,576	3,470	61,496
Total 2022.....	31,700	14,519	(X)
North Dakota			
January - March	14,603	6,742	93,100
April - June.....	15,231	7,101	100,100
July - September	15,213	6,904	103,600
October - December.....	15,217	7,107	103,600
Total 2022.....	60,264	27,854	(X)
Ohio			
January - March	13,447	5,986	79,900
April - June.....	13,263	5,940	79,900
July - September	13,976	6,217	79,900
October - December.....	12,481	5,678	79,900
Total 2022.....	53,167	23,821	(X)
Pennsylvania			
January - March	10,308	4,778	78,000
April - June.....	10,787	4,957	78,000
July - September	11,044	5,106	78,000
October - December.....	11,381	5,302	78,000
Total 2022.....	43,520	20,143	(X)

See footnote(s) at end of table.

--continued

All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2022 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
Texas			
January - March.....	13,343	6,219	92,000
April - June.....	13,632	6,303	92,000
July - September	14,122	6,480	92,000
October - December	14,139	6,516	92,000
Total 2022	55,236	25,518	(X)
Other States ¹			
January - March.....	11,010	5,178	78,407
April - June.....	11,352	5,354	78,407
July - September	11,609	5,429	78,407
October - December	11,133	5,220	78,407
Total 2022	45,104	21,181	(X)
United States			
January - March.....	230,268	106,471	1,600,330
April - June.....	231,680	107,407	1,592,330
July - September	237,204	109,859	1,595,830
October - December	229,463	106,547	1,584,686
Total 2022	928,615	430,284	(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: 2022

Item	January - March	April - June	July - September	October - December	Total 2022
All wheat					
Wheat ground for flour..... 1,000 bushels	230,268	231,680	237,204	229,463	928,615
Flour production..... 1,000 cwt	106,471	107,407	109,859	106,547	430,284
Whole wheat flour production..... 1,000 cwt	5,250	4,536	4,630	4,741	19,157
Millfeed production..... tons	1,666,162	1,684,355	1,718,246	1,663,208	6,731,971
Daily 24-hour capacity.....cwt	1,600,330	1,592,330	1,595,830	1,584,686	(X)
Wheat, excluding durum					
Wheat ground for flour..... 1,000 bushels	214,254	216,298	221,496	212,942	864,990
Flour production..... 1,000 cwt	98,855	99,920	102,352	98,528	399,655
Whole wheat production..... 1,000 cwt	5,155	4,452	4,507	4,621	18,735
Millfeed production..... tons	1,557,623	1,582,210	1,614,369	1,560,123	6,314,325
Daily 24-hour capacity.....cwt	1,468,600	1,457,600	1,461,100	1,449,956	(X)
Wheat, durum					
Wheat ground for flour and semolina..... 1,000 bushels	16,014	15,382	15,708	16,521	63,625
Durum flour and semolina production..... 1,000 cwt	7,616	7,487	7,507	8,019	30,629
Whole wheat durum flour and semolina production..... 1,000 cwt	95	84	123	120	422
Millfeed production..... tons	108,539	102,145	103,877	103,085	417,646
Daily 24-hour capacity.....cwt	131,730	134,730	134,730	134,730	(X)
Rye					
Rye ground for flour..... 1,000 bushels	441	391	411	390	1,633
Flour production..... 1,000 cwt	200	174	186	178	738
Millfeed production..... tons	814	700	777	620	2,911
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

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
Irwin Anolik – Crop Progress and Condition.....	(202) 720-7621
Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
Natasha Bruton – Barley, Cotton System Consumption, and Stocks, Grain Crushings	(202) 690-1042
David Colwell – Fats and Oils, Flour Milling Products	(202) 720-8800
Michelle Harder –County Estimates, Hay.....	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-2127
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.