



Flour Milling Products

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Highlights

Third Quarter 2023, July through September, contained 92 days.

Second Quarter 2024, April through June, contained 91 days.

Third Quarter 2024, July through September, contained 92 days.

All wheat ground for flour during the third quarter 2024 was 232 million bushels, up 3 percent from the second quarter 2024 grind of 226 million bushels and up 1 percent from the third quarter 2023 grind of 231 million bushels. Third quarter 2024 total flour production was 107 million hundredweight, up 2 percent from the second quarter 2024 and up 1 percent from the third quarter 2023. Whole wheat flour production at 4.68 million hundredweight during the third quarter 2024 accounted for 4 percent of the total flour production. Millfeed production from wheat in the third quarter 2024 was 1.64 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2024 was 1.60 million hundredweight.

Durum wheat ground for flour and semolina production during the third quarter of 2024 totaled 16.3 million bushels, up 8 percent from the second quarter 2024 and up 2 percent from the third quarter 2023. Third quarter 2024 durum flour and semolina production was 7.89 million hundredweight, up 8 percent from the second quarter 2024 and up 3 percent from the third quarter 2023. Whole wheat durum flour and semolina production was 86,000 hundredweight, up 9 percent from 79,000 hundredweight in the second quarter 2024 but down 23 percent from 111,000 hundredweight in the third quarter 2023. Third quarter durum wheat millfeed production was 103,464 tons and the daily 24-hour milling capacity for durum and semolina production was 134,730 hundredweight.

Rye ground for flour during the third quarter of 2024 was 345,000 bushels, down 10 percent from the second quarter 2024 and down 12 percent from the third quarter 2023. Rye flour production during the third quarter of 2024 was 158,000 hundredweight, compared to 172,000 hundredweight in the previous quarter and 174,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the third quarter 2024.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2024 - September 2024 with Comparisons**

| Region | Wheat ground for flour (1,000 bushels) | Wheat flour production (1,000 cwt) | Daily (24-hour) capacity (cwt) |
|---|---|---------------------------------------|-----------------------------------|
| California | | | |
| July 2023 - September 2023..... | 16,496 | 7,590 | 108,600 |
| April 2024 - June 2024..... | 15,564 | 7,361 | 109,600 |
| July 2024 - September 2024..... | 15,985 | 7,446 | 109,600 |
| Colorado and Oklahoma | | | |
| July 2023 - September 2023..... | 8,151 | 4,087 | 55,780 |
| April 2024 - June 2024..... | 8,260 | 3,977 | 55,780 |
| July 2024 - September 2024..... | 8,234 | 3,970 | 55,780 |
| Florida, Georgia, and South Carolina | | | |
| July 2023 - September 2023..... | 9,772 | 4,532 | 62,000 |
| April 2024 - June 2024..... | 9,151 | 4,268 | 62,000 |
| July 2024 - September 2024..... | 9,064 | 4,211 | 62,000 |
| Idaho, Montana, Oregon, Utah, and Washington | | | |
| July 2023 - September 2023..... | 16,131 | 7,576 | 119,387 |
| April 2024 - June 2024..... | 16,389 | 7,642 | 119,387 |
| July 2024 - September 2024..... | 16,773 | 7,784 | 119,387 |
| Illinois, Indiana, and Wisconsin | | | |
| July 2023 - September 2023..... | 25,990 | 12,194 | 163,252 |
| April 2024 - June 2024..... | 25,215 | 11,735 | 163,252 |
| July 2024 - September 2024..... | 26,040 | 12,033 | 163,252 |
| Iowa and Nebraska | | | |
| July 2023 - September 2023..... | 6,241 | 2,900 | 50,894 |
| April 2024 - June 2024..... | 6,561 | 3,005 | 50,850 |
| July 2024 - September 2024..... | 6,679 | 3,152 | 50,850 |
| Kansas | | | |
| July 2023 - September 2023..... | 16,338 | 7,463 | 111,800 |
| April 2024 - June 2024..... | 16,331 | 7,528 | 111,800 |
| July 2024 - September 2024..... | 16,824 | 7,692 | 111,800 |
| Kentucky and Tennessee | | | |
| July 2023 - September 2023..... | 8,729 | 4,090 | 59,000 |
| April 2024 - June 2024..... | 8,677 | 3,977 | 59,000 |
| July 2024 - September 2024..... | 8,955 | 4,062 | 59,000 |
| Maryland and Virginia | | | |
| July 2023 - September 2023..... | 6,587 | 2,963 | 48,500 |
| April 2024 - June 2024..... | 5,837 | 2,680 | 48,500 |
| July 2024 - September 2024..... | 6,115 | 2,756 | 48,500 |
| Michigan | | | |
| July 2023 - September 2023..... | 5,815 | 2,610 | 39,700 |
| April 2024 - June 2024..... | 5,938 | 2,708 | 47,700 |
| July 2024 - September 2024..... | 6,636 | 2,991 | 47,700 |
| Minnesota | | | |
| July 2023 - September 2023..... | 11,219 | 5,274 | 80,120 |
| April 2024 - June 2024..... | 10,773 | 4,983 | 80,120 |
| July 2024 - September 2024..... | 10,975 | 5,101 | 80,120 |
| Missouri | | | |
| July 2023 - September 2023..... | 12,773 | 5,996 | 92,800 |
| April 2024 - June 2024..... | 12,610 | 5,893 | 92,800 |
| July 2024 - September 2024..... | 13,240 | 6,198 | 92,800 |
| New Jersey and New York | | | |
| July 2023 - September 2023..... | 13,853 | 6,356 | 101,450 |
| April 2024 - June 2024..... | 13,721 | 6,373 | 97,350 |
| July 2024 - September 2024..... | 14,231 | 6,577 | 97,350 |

--continued

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2024 - September 2024 with Comparisons (continued)**

| Region | Wheat ground for flour | Wheat flour production | Daily (24-hour) capacity |
|----------------------------------|------------------------|------------------------|--------------------------|
| | (1,000 bushels) | (1,000 cwt) | (cwt) |
| North Carolina | | | |
| July 2023 - September 2023 | 8,002 | 3,647 | 67,796 |
| April 2024 - June 2024..... | 7,847 | 3,593 | 67,796 |
| July 2024 - September 2024 | 7,824 | 3,564 | 67,796 |
| North Dakota | | | |
| July 2023 - September 2023 | 15,552 | 7,175 | 104,000 |
| April 2024 - June 2024..... | 15,972 | 7,424 | 106,000 |
| July 2024 - September 2024 | 16,270 | 7,483 | 106,000 |
| Ohio | | | |
| July 2023 - September 2023 | 12,599 | 5,639 | 89,600 |
| April 2024 - June 2024..... | 12,040 | 5,423 | 89,600 |
| July 2024 - September 2024 | 12,278 | 5,535 | 89,600 |
| Pennsylvania | | | |
| July 2023 - September 2023 | 11,413 | 5,336 | 77,300 |
| April 2024 - June 2024..... | 11,250 | 5,297 | 77,300 |
| July 2024 - September 2024 | 11,542 | 5,451 | 77,300 |
| Texas | | | |
| July 2023 - September 2023 | 13,506 | 6,184 | 86,000 |
| April 2024 - June 2024..... | 13,248 | 6,079 | 86,000 |
| July 2024 - September 2024 | 13,468 | 6,166 | 86,000 |
| Other States ¹ | | | |
| July 2023 - September 2023 | 11,335 | 5,258 | 78,407 |
| April 2024 - June 2024..... | 10,622 | 4,962 | 72,907 |
| July 2024 - September 2024 | 11,258 | 5,236 | 72,907 |
| United States | | | |
| July 2023 - September 2023 | 230,502 | 106,870 | 1,596,386 |
| April 2024 - June 2024..... | 226,006 | 104,908 | 1,597,742 |
| July 2024 - September 2024 | 232,391 | 107,408 | 1,597,742 |

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

Flour Milling Production, and Capacity – United States: July 2024 - September 2024 with Comparisons

| Item | July - September 2023 | April - June 2024 | July - September 2024 |
|---|-----------------------|-------------------|-----------------------|
| All wheat | | | |
| Wheat ground for flour..... 1,000 bushels | 230,502 | 226,006 | 232,391 |
| Flour production..... 1,000 cwt | 106,870 | 104,908 | 107,408 |
| Whole wheat flour production 1,000 cwt | 4,612 | 4,315 | 4,681 |
| Millfeed production..... tons | 1,665,070 | 1,605,149 | 1,641,584 |
| Daily 24-hour capacity..... cwt | 1,596,386 | 1,597,742 | 1,597,742 |
| Wheat, excluding durum | | | |
| Wheat ground for flour 1,000 bushels | 214,420 | 210,811 | 216,052 |
| Flour production..... 1,000 cwt | 99,230 | 97,576 | 99,522 |
| Whole wheat production 1,000 cwt | 4,501 | 4,236 | 4,595 |
| Millfeed production tons | 1,559,225 | 1,508,416 | 1,538,120 |
| Daily 24-hour capacity..... cwt | 1,461,656 | 1,463,012 | 1,463,012 |
| Wheat, durum | | | |
| Wheat ground for flour and semolina 1,000 bushels | 16,082 | 15,195 | 16,339 |
| Durum flour and semolina production 1,000 cwt | 7,640 | 7,332 | 7,886 |
| Whole wheat durum flour and semolina production..... 1,000 cwt | 111 | 79 | 86 |
| Millfeed production tons | 105,845 | 96,733 | 103,464 |
| Daily 24-hour capacity..... cwt | 134,730 | 134,730 | 134,730 |
| Rye | | | |
| Rye ground for flour..... 1,000 bushels | 391 | 382 | 345 |
| Flour production..... 1,000 cwt | 174 | 172 | 158 |
| Millfeed production tons | 669 | 638 | 571 |
| 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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|--|----------------|
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| 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 – Hay, Peanuts..... | (202) 690-8533 |
| James Johanson – Rye, Wheat..... | (202) 720-8068 |
| Greg Lemmons – Corn, Proso Millet, Rice..... | (202) 720-9526 |
| Becky Sommer – Cotton, Cotton Ginnings, Sorghum..... | (202) 720-5944 |
| Travis Thorson – Canola, Rapeseed, Safflower, Sunflower | (202) 720-7369 |

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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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