



# Flour Milling Products

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## Highlights

**Second Quarter 2019**, April through June, contained 91 days.

**First Quarter 2020**, January through March, contained 91 days.

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

**All wheat** ground for flour during the second quarter 2020 was 219 million bushels, down 6 percent from the first quarter 2020 grind of 233 million bushels and down 3 percent from the second quarter 2019 grind of 225 million bushels. Second quarter 2020 total flour production was 102 million hundredweight, down 5 percent from the first quarter 2020 and down 2 percent from the second quarter 2019. Whole wheat flour production at 4.48 million hundredweight during the second quarter 2020 accounted for 4 percent of the total flour production. Millfeed production from wheat in the second quarter 2020 was 1.56 million tons. The daily 24-hour milling capacity of wheat flour during the second quarter 2020 was 1.61 million hundredweight.

**Durum wheat** ground for flour and semolina production during the second quarter of 2020 totaled 19.4 million bushels, up 12 percent from the first quarter 2020 and up 21 percent from the second quarter 2019. Second quarter 2020 durum flour and semolina production was 9.13 million hundredweight, up 12 percent from the first quarter 2020 and up 20 percent from the second quarter 2019. Whole wheat durum flour and semolina production was 173 thousand hundredweight, up 1 percent from 171 thousand hundredweight in the first quarter 2020 and up 29 percent from 134 thousand hundredweight from the second quarter 2019. Second quarter durum wheat millfeed production was 133 thousand tons and the daily 24-hour milling capacity for durum and semolina production was 131 thousand hundredweight.

**Rye** ground for flour during the second quarter of 2020 was 333 thousand bushels, down 36 percent from the first quarter 2020 and down 20 percent from the second quarter 2019. Rye flour production during the second quarter of 2020 was 159 thousand hundredweight, compared to 244 thousand hundredweight in the previous quarter and 204 thousand hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9.79 thousand hundredweight for the second quarter 2020.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
April 2020 - June 2020 with Comparisons**

| Region  | Wheat ground for flour<br>(1,000 bushels) | Wheat flour production<br>(1,000 cwt) | Daily (24-hour) capacity<br>(cwt) |
|---|---|---------------------------------------|-----------------------------------|
| <b>California</b>                                   |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 16,814                                    | 7,896                                 | 121,100                           |
| January 2020 - March 2020 .....                     | 17,488                                    | 8,172                                 | 121,100                           |
| April 2020 - June 2020 .....                        | 16,438                                    | 7,657                                 | 121,100                           |
| <b>Colorado and Oklahoma</b>                        |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 7,087                                     | 3,391                                 | 59,280                            |
| January 2020 - March 2020 .....                     | 7,255                                     | 3,483                                 | 59,280                            |
| April 2020 - June 2020 .....                        | 7,676                                     | 3,700                                 | 59,280                            |
| <b>Florida, Georgia, and South Carolina</b>         |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 9,421                                     | 4,306                                 | 64,000                            |
| January 2020 - March 2020 .....                     | 9,243                                     | 4,249                                 | 57,600                            |
| April 2020 - June 2020 .....                        | 7,632                                     | 3,530                                 | 57,600                            |
| <b>Idaho, Montana, Oregon, Utah, and Washington</b> |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 15,504                                    | 7,115                                 | 125,787                           |
| January 2020 - March 2020 .....                     | 16,981                                    | 7,842                                 | 125,787                           |
| April 2020 - June 2020 .....                        | 15,450                                    | 7,129                                 | 125,787                           |
| <b>Illinois, Indiana, and Wisconsin</b>             |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 20,857                                    | 9,716                                 | 146,252                           |
| January 2020 - March 2020 .....                     | 24,827                                    | 11,663                                | 162,552                           |
| April 2020 - June 2020 .....                        | 22,932                                    | 10,953                                | 162,552                           |
| <b>Iowa and Nebraska</b>                            |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 8,137                                     | 3,680                                 | 56,744                            |
| January 2020 - March 2020 .....                     | 8,843                                     | 3,952                                 | 56,744                            |
| April 2020 - June 2020 .....                        | 8,517                                     | 3,909                                 | 56,744                            |
| <b>Kansas</b>                                       |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 15,374                                    | 7,121                                 | 117,132                           |
| January 2020 - March 2020 .....                     | 15,247                                    | 7,197                                 | 111,132                           |
| April 2020 - June 2020 .....                        | 16,073                                    | 7,489                                 | 111,132                           |
| <b>Kentucky and Tennessee</b>                       |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 8,850                                     | 3,889                                 | 52,650                            |
| January 2020 - March 2020 .....                     | 9,278                                     | 4,296                                 | 52,500                            |
| April 2020 - June 2020 .....                        | 7,125                                     | 3,285                                 | 52,500                            |
| <b>Maryland and Virginia</b>                        |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 6,614                                     | 2,962                                 | 52,692                            |
| January 2020 - March 2020 .....                     | 6,321                                     | 2,871                                 | 48,692                            |
| April 2020 - June 2020 .....                        | 6,038                                     | 2,733                                 | 48,692                            |
| <b>Michigan</b>                                     |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 6,087                                     | 2,805                                 | 39,700                            |
| January 2020 - March 2020 .....                     | 5,186                                     | 2,351                                 | 39,700                            |
| April 2020 - June 2020 .....                        | 4,886                                     | 2,208                                 | 39,700                            |
| <b>Minnesota</b>                                    |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 13,973                                    | 6,510                                 | 120,220                           |
| January 2020 - March 2020 .....                     | 11,822                                    | 5,506                                 | 93,460                            |
| April 2020 - June 2020 .....                        | 10,946                                    | 5,099                                 | 93,460                            |
| <b>Missouri</b>                                     |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 12,329                                    | 5,666                                 | 92,800                            |
| January 2020 - March 2020 .....                     | 13,423                                    | 6,220                                 | 92,800                            |
| April 2020 - June 2020 .....                        | 14,369                                    | 6,722                                 | 92,800                            |
| <b>New Jersey and New York</b>                      |   |                                       |                                   |
| April 2019 - June 2019 .....                        | 13,476                                    | 6,268                                 | 102,150                           |
| January 2020 - March 2020 .....                     | 13,264                                    | 6,288                                 | 103,350                           |
| April 2020 - June 2020 .....                        | 11,675                                    | 5,640                                 | 103,350                           |

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:  
April 2020 - June 2020 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 2019 - June 2019.....    | 8,152                  | 3,659                  | 61,496                   |
| January 2020 - March 2020..... | 7,812                  | 3,521                  | 61,496                   |
| April 2020 - June 2020.....    | 7,790                  | 3,568                  | 61,496                   |
| North Dakota                   |                        |                        |                          |
| April 2019 - June 2019.....    | 13,749                 | 6,330                  | 93,500                   |
| January 2020 - March 2020..... | 14,431                 | 6,557                  | 93,500                   |
| April 2020 - June 2020.....    | 13,590                 | 6,176                  | 93,500                   |
| Ohio                           |                        |                        |                          |
| April 2019 - June 2019.....    | 12,836                 | 5,847                  | 92,900                   |
| January 2020 - March 2020..... | 13,827                 | 5,950                  | 88,400                   |
| April 2020 - June 2020.....    | 14,036                 | 6,298                  | 88,400                   |
| Pennsylvania                   |                        |                        |                          |
| April 2019 - June 2019.....    | 12,232                 | 5,734                  | 87,800                   |
| January 2020 - March 2020..... | 13,344                 | 6,133                  | 85,400                   |
| April 2020 - June 2020.....    | 10,814                 | 5,038                  | 85,400                   |
| Texas                          |                        |                        |                          |
| April 2019 - June 2019.....    | 12,743                 | 5,930                  | 90,750                   |
| January 2020 - March 2020..... | 13,134                 | 6,172                  | 90,750                   |
| April 2020 - June 2020.....    | 12,250                 | 5,737                  | 90,750                   |
| Other States <sup>1</sup>      |                        |                        |                          |
| April 2019 - June 2019.....    | 10,821                 | 5,104                  | 69,807                   |
| January 2020 - March 2020..... | 11,293                 | 5,295                  | 69,807                   |
| April 2020 - June 2020.....    | 10,757                 | 5,040                  | 69,807                   |
| United States                  |                        |                        |                          |
| April 2019 - June 2019.....    | 225,056                | 103,929                | 1,646,760                |
| January 2020 - March 2020..... | 233,019                | 107,718                | 1,614,050                |
| April 2020 - June 2020.....    | 218,994                | 101,911                | 1,614,050                |

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

## Flour Milling Production, and Capacity – United States: April 2020 - June 2020 with Comparisons

| Item  | April - June 2019 | January - March 2020 | April - June 2020 |
|---|-------------------|----------------------|-------------------|
| <b>All wheat</b>  |                   |                      |                   |
| Wheat ground for flour..... 1,000 bushels                         | 225,056           | 233,019              | 218,994           |
| Flour production..... 1,000 cwt                                   | 103,929           | 107,718              | 101,911           |
| Whole wheat flour production ..... 1,000 cwt                      | 5,271             | 5,889                | 4,480             |
| Millfeed production..... tons                                     | 1,618,622         | 1,646,827            | 1,555,722         |
| Daily 24-hour capacity.....cwt                                    | 1,646,760         | 1,614,050            | 1,614,050         |
| <b>Wheat, excluding durum</b>                                     |                   |                      |                   |
| Wheat ground for flour ..... 1,000 bushels                        | 209,039           | 215,703              | 199,615           |
| Flour production..... 1,000 cwt                                   | 96,307            | 99,578               | 92,778            |
| Whole wheat production ..... 1,000 cwt                            | 5,137             | 5,718                | 4,307             |
| Millfeed production ..... tons                                    | 1,507,853         | 1,529,627            | 1,423,104         |
| Daily 24-hour capacity.....cwt                                    | 1,515,430         | 1,482,720            | 1,482,720         |
| <b>Wheat, durum</b>   |                   |                      |                   |
| Wheat ground for flour and semolina ..... 1,000 bushels           | 16,017            | 17,316               | 19,379            |
| Durum flour and semolina production ..... 1,000 cwt               | 7,622             | 8,140                | 9,133             |
| Whole wheat durum flour and<br>semolina production..... 1,000 cwt | 134               | 171                  | 173               |
| Millfeed production ..... tons                                    | 110,769           | 117,200              | 132,618           |
| Daily 24-hour capacity.....cwt                                    | 131,330           | 131,330              | 131,330           |
| <b>Rye</b>  |                   |                      |                   |
| Rye ground for flour..... 1,000 bushels                           | 414               | 524                  | 333               |
| Flour production..... 1,000 cwt                                   | 204               | 244                  | 159               |
| Millfeed production ..... tons                                    | (D)               | (D)                  | 624               |
| Daily 24-hour capacity.....cwt                                    | 9,785             | 9,785                | 9,785             |

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

## 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](mailto:nass@usda.gov)

|  |                |
|--|----------------|
| Lance Honig, Chief, Crops Branch.....                        | (202) 720-2127 |
| Chris Hawthorn, Head, Field Crops Section .....              | (202) 720-2127 |
| Irwin Anolik – Crop Weather .....                            | (202) 720-7621 |
| Joshua Bates – Oats, Soybeans .....                          | (202) 690-3234 |
| David Colwell – Current Agricultural Industrial Reports..... | (202) 720-8800 |
| Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum.....       | (202) 720-2127 |
| James Johanson – Barley, County Estimates, Hay .....         | (202) 690-8533 |
| Greg Lemmons – Corn, Flaxseed, Proso Millet .....            | (202) 720-9526 |
| Jean Porter – Rye, Wheat .....                               | (202) 720-8068 |
| John Stephens – Peanuts, Rice.....                           | (202) 720-7688 |
| Travis Thorson – Sunflower, Other Oilseeds .....             | (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](mailto: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](mailto:nass@usda.gov).

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