



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



ISSN: 2470-9921

# Flour Milling Products 2019 Summary

## May 2020

# USDA





## 2019 Flour Milling Products

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2019 Annual Summary of the Flour Milling Products contains quarterly data and annual totals for 2019.

**All wheat ground for flour** in 2019 was 913 million bushels, down 1 percent from 2018. The **total flour production** was 422 million hundredweight, down 1 percent from 2018. **Total whole wheat flour production** in 2019 was 22.2 million hundredweight, down less than 1 percent from 2018.

**Durum wheat ground for flour and semolina production** in 2019 was 66.5 million bushels, down 1 percent from 2018. The **durum flour and semolina production** was 31.5 million hundredweight, down 1 percent from 2018. **Durum whole wheat flour and semolina production** in 2019 was 644,000 hundredweight, up 7 percent from 2018.

In 2019, **Rye ground for flour** was 1.76 million bushels, down 4 percent from 2018. **Rye flour production** was 846,000 hundredweight, down 4 percent from 2018.

## All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2019

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>California</b>			
January - March.....	16,870	7,826	122,171
April - June.....	16,814	7,896	121,100
July - September.....	17,046	7,916	121,100
October - December.....	17,370	8,133	121,100
Total 2019.....	68,100	31,771	(X)
<b>Colorado and Oklahoma</b>			
January - March.....	6,673	3,248	59,280
April - June.....	7,087	3,391	59,280
July - September.....	7,789	3,678	59,280
October - December.....	8,050	3,875	59,280
Total 2019.....	29,599	14,192	(X)
<b>Florida, Georgia, and South Carolina</b>			
January - March.....	9,717	4,473	64,000
April - June.....	9,421	4,306	64,000
July - September.....	9,015	4,166	64,000
October - December.....	8,684	3,996	57,600
Total 2019.....	36,837	16,941	(X)
<b>Idaho, Montana, Oregon, Utah and Washington</b>			
January - March.....	15,907	7,319	125,787
April - June.....	15,504	7,115	125,787
July - September.....	15,474	7,161	125,787
October - December.....	15,850	7,312	125,787
Total 2019.....	62,735	28,907	(X)
<b>Illinois, Indiana, and Wisconsin</b>			
January - March.....	22,747	10,619	146,252
April - June.....	20,857	9,716	146,252
July - September.....	24,158	11,282	176,252
October - December.....	24,133	11,529	176,252
Total 2019.....	91,895	43,146	(X)
<b>Iowa and Nebraska</b>			
January - March.....	7,570	3,514	56,744
April - June.....	8,137	3,680	56,744
July - September.....	8,536	3,885	56,744
October - December.....	8,482	3,884	56,744
Total 2019.....	32,725	14,963	(X)
<b>Kansas</b>			
January - March.....	14,327	6,657	117,132
April - June.....	15,374	7,121	117,132
July - September.....	15,152	7,016	117,132
October - December.....	14,599	6,786	111,132
Total 2019.....	59,452	27,580	(X)
<b>Kentucky and Tennessee</b>			
January - March.....	8,265	3,828	52,650
April - June.....	8,850	3,889	52,650
July - September.....	9,144	4,260	52,500
October - December.....	8,990	4,174	52,500
Total 2019.....	35,249	16,151	(X)
<b>Maryland and Virginia</b>			
January - March.....	6,798	3,032	52,692
April - June.....	6,614	2,962	52,692
July - September.....	7,021	3,159	52,692
October - December.....	6,786	3,083	52,692
Total 2019.....	27,219	12,236	(X)

See footnote(s) at end of table.

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## All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2019 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>Michigan</b>			
January - March .....	5,970	2,767	39,700
April - June.....	6,087	2,805	39,700
July - September .....	5,718	2,573	39,700
October - December.....	5,602	2,540	39,700
Total 2019.....	23,377	10,685	(X)
<b>Minnesota</b>			
January - March .....	13,490	6,220	120,220
April - June.....	13,973	6,510	120,220
July - September .....	13,919	6,454	120,220
October - December.....	13,923	6,473	111,460
Total 2019.....	55,305	25,657	(X)
<b>Missouri</b>			
January - March .....	13,118	6,025	92,800
April - June.....	12,329	5,666	92,800
July - September .....	13,195	6,030	92,800
October - December.....	13,718	6,406	92,800
Total 2019.....	52,360	24,127	(X)
<b>New Jersey and New York</b>			
January - March .....	12,839	6,068	102,150
April - June.....	13,476	6,268	102,150
July - September .....	14,035	6,450	102,150
October - December.....	14,635	6,796	103,350
Total 2019.....	54,985	25,582	(X)
<b>North Carolina</b>			
January - March .....	8,223	3,703	61,496
April - June.....	8,152	3,659	61,496
July - September .....	8,312	3,752	61,496
October - December.....	8,086	3,665	61,496
Total 2019.....	32,773	14,779	(X)
<b>North Dakota</b>			
January - March .....	13,680	6,398	93,500
April - June.....	13,749	6,330	93,500
July - September .....	14,105	6,339	93,500
October - December.....	14,321	6,491	93,500
Total 2019.....	55,855	25,558	(X)
<b>Ohio</b>			
January - March .....	12,626	5,751	92,900
April - June.....	12,836	5,847	92,900
July - September .....	12,741	5,765	92,900
October - December.....	13,042	5,872	88,400
Total 2019.....	51,245	23,235	(X)
<b>Pennsylvania</b>			
January - March .....	12,093	5,629	87,800
April - June.....	12,232	5,734	87,800
July - September .....	12,489	5,781	85,400
October - December.....	12,415	5,687	85,400
Total 2019.....	49,229	22,831	(X)

See footnote(s) at end of table.

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## All Wheat Ground, Flour Production, and Capacity – Regions and United States: 2019 (continued)

Region	Wheat ground for flour (1,000 bushels)	Wheat flour production (1,000 cwt)	Daily (24-hour) capacity (cwt)
<b>Texas</b>			
January - March.....	12,488	5,792	90,750
April - June.....	12,743	5,930	90,750
July - September.....	12,967	6,058	90,750
October - December.....	12,595	5,977	90,750
Total 2019.....	50,793	23,757	(X)
<b>Other States <sup>1</sup></b>			
January - March.....	9,949	4,731	69,807
April - June.....	10,821	5,104	69,807
July - September.....	10,959	5,103	69,807
October - December.....	11,147	5,241	69,807
Total 2019.....	42,876	20,179	(X)
<b>United States</b>			
January - March.....	223,350	103,600	1,647,831
April - June.....	225,056	103,929	1,646,760
July - September.....	231,775	106,828	1,674,210
October - December.....	232,428	107,920	1,649,750
Total 2019.....	912,609	422,277	(X)

(X) Not applicable.

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

## Flour Milling Production, and Capacity – United States: 2019

Item	January - March	April - June	July - September	October - December	Total 2019
<b>All wheat</b>					
Wheat ground for flour..... 1,000 bushels	223,350	225,056	231,775	232,428	912,609
Flour production..... 1,000 cwt	103,600	103,929	106,828	107,920	422,277
Whole wheat flour production..... 1,000 cwt	5,498	5,271	5,513	5,957	22,239
Millfeed production..... tons	1,582,201	1,618,622	1,659,494	1,624,974	6,485,291
Daily 24-hour capacity.....cwt	1,647,831	1,646,760	1,674,210	1,649,750	(X)
<b>Wheat, excluding durum</b>					
Wheat ground for flour..... 1,000 bushels	206,880	209,039	215,847	214,393	846,159
Flour production..... 1,000 cwt	95,695	96,307	99,327	99,416	390,745
Whole wheat production..... 1,000 cwt	5,348	5,137	5,313	5,797	21,595
Millfeed production..... tons	1,467,928	1,507,853	1,551,290	1,503,421	6,030,492
Daily 24-hour capacity.....cwt	1,516,501	1,515,430	1,542,880	1,518,420	(X)
<b>Wheat, durum</b>					
Wheat ground for flour and semolina..... 1,000 bushels	16,470	16,017	15,928	18,035	66,450
Durum flour and semolina production..... 1,000 cwt	7,905	7,622	7,501	8,504	31,532
Whole wheat durum flour and semolina production..... 1,000 cwt	150	134	200	160	644
Millfeed production..... tons	114,273	110,769	108,204	121,553	454,799
Daily 24-hour capacity.....cwt	131,330	131,330	131,330	131,330	(X)
<b>Rye</b>					
Rye ground for flour..... 1,000 bushels	427	414	462	456	1,759
Flour production..... 1,000 cwt	210	204	218	214	846
Millfeed production..... tons	(D)	(D)	(D)	(D)	(D)
Daily 24-hour capacity.....cwt	9,785	9,785	9,785	9,785	(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@nass.usda.gov](mailto:nass@nass.usda.gov).

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Chris Hawthorn, Head, Field Crops Section .....	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports .....	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet .....	(202) 720-9526
James Johanson – County Estimates, Hay .....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans .....	(202) 690-3234
Irwin Anolik – Crop Weather.....	(202) 720-7621
Chris Hawthorn – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat .....	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Barley, Sunflower, Other Oilseeds .....	(202) 720-7369

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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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