



# Grain Crushings and Co-Products Production

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## Highlights

**February 2019** contained 28 days.

**March 2019** contained 31 days.

**Total corn consumed** for alcohol and other uses was 495 million bushels in March 2019. Total corn consumption was up 10 percent from February 2019 but down 6 percent from March 2018. March 2019 usage included 91.4 percent for alcohol and 8.6 percent for other purposes. Corn consumed for beverage alcohol totaled 3.46 million bushels, up 26 percent from February 2019 and up 27 percent from March 2018. Corn for fuel alcohol, at 442 million bushels, was up 10 percent from February 2019 but down 7 percent from March 2018. Corn consumed in March 2019 for dry milling fuel production and wet milling fuel production was 91.1 percent and 8.9 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.86 million tons during March 2019, up 10 percent from February 2019 but down 4 percent from March 2018. Distillers wet grains (DWG) 65 percent or more moisture was 1.34 million tons in March 2019, up 10 percent from February 2019 but down 5 percent from March 2018.

**Wet mill corn gluten feed production** was 304,047 tons during March 2019, up 21 percent from February 2019 but down 5 percent from March 2018. Wet corn gluten feed 40 to 60 percent moisture was 224,850 tons in March 2019, up slightly from February 2019 but down 19 percent from March 2018.

### Dry and Wet Mill, Corn Consumed – United States: March 2019 with Comparisons

Purpose	March 2018	February 2019	March 2019
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,717	2,740	3,455
Fuel alcohol .....	472,912	402,894	441,739
Dry mill .....	428,916	367,273	402,622
Wet mill .....	43,996	35,621	39,117
Industrial alcohol .....	7,093	6,157	7,133
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	43,396	37,285	42,605

### Dry Mill, Sorghum Consumed – United States: March 2019 with Comparisons

Purpose	March 2018	February 2019	March 2019
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	2,232	5,054	5,167

### Dry and Wet Mill, Co-products and Products Produced – United States: March 2019 with Comparisons

Co-products and products	March 2018	February 2019	March 2019
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	145,808	109,504	115,583
Corn oil (Corn Distillers Oil - CDO) .....	148,490	132,627	142,623
Distillers dried grains (DDG) .....	417,190	336,464	386,413
Distillers dried grains with solubles (DDGS) .....	1,942,750	1,691,758	1,864,818
Distillers wet grains (DWG) 65% or more moisture .....	1,413,641	1,213,815	1,337,382
Modified distillers wet grains (DWG) 40% to 64% moisture .....	509,088	427,761	361,624
<b>Wet mill</b>			
Corn germ meal .....	58,359	56,218	61,001
Corn gluten feed .....	319,757	250,857	304,047
Corn gluten meal .....	97,157	77,454	88,890
Wet corn gluten feed 40% to 60% moisture .....	276,350	224,333	224,850
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	210,775	221,058	242,832

## Statistical Methodology

**Survey Procedures:** *Grain Crushings and Co-Products Production* 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 ethanol.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of ethanol production in 2014. During the operation profile, facilities that met the survey criteria were asked for the nameplate production capacity. 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 Dry Mill Producers and Wet Mill Producers survey questionnaires, mills are asked for previous calendar month data on feedstocks consumed, products and co-products produced. 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 totals.

**Revision Policy:** Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

**Reliability:** Approximately 130 reports are received each month which represent about 90 percent of total capacity. Monthly data can vary due to different firms reporting month to month. 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).

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Anthony Prillaman, 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
Jannety Mosley – Crop Weather, Barley.....	(202) 720-7621
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat .....	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum .....	(202) 720-5944
Travis Thorson – 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@nass.usda.gov](mailto:nass@nass.usda.gov).

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