



# Grain Crushings and Co-Products Production

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## Highlights

**October 2018** contained 31 days.

**November 2018** contained 30 days.

**Total corn consumed** for alcohol and other uses was 504 million bushels in November 2018. Total corn consumption was down 1 percent from October 2018 and down 4 percent from November 2017. November 2018 usage included 92.0 percent for alcohol and 8.0 percent for other purposes. Corn consumed for beverage alcohol totaled 2.94 million bushels, down 11 percent from October 2018 and down 15 percent from November 2017. Corn for fuel alcohol, at 455 million bushels, was down 1 percent from October 2018 and down 4 percent from November 2017. Corn consumed in November 2018 for dry milling fuel production and wet milling fuel production was 90.9 percent and 9.1 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.93 million tons during November 2018, down 2 percent from October 2018 and down 3 percent from November 2017. Distillers wet grains (DWG) 65 percent or more moisture was 1.31 million tons in November 2018, down 2 percent from October 2018 and down 4 percent from November 2017.

**Wet mill corn gluten feed production** was 285,362 tons during November 2018, up 1 percent from October 2018 but down 9 percent from November 2017. Wet corn gluten feed 40 to 60 percent moisture was 257,003 tons in November 2018, up 5 percent from October 2018 but down 15 percent from November 2017.

## Dry and Wet Mill, Corn Consumed – United States: November 2018 with Comparisons

Purpose	November 2017	October 2018	November 2018
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,447	3,291	2,941
Fuel alcohol .....	475,665	460,115	454,533
Dry mill .....	429,123	416,877	413,191
Wet mill .....	46,542	43,238	41,342
Industrial alcohol .....	5,652	6,754	5,782
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	40,488	40,869	40,248

## Dry Mill, Sorghum Consumed – United States: November 2018 with Comparisons

Purpose	November 2017	October 2018	November 2018
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	2,867	4,588	5,314

## Dry and Wet Mill, Co-products and Products Produced – United States: November 2018 with Comparisons

Co-products and products	November 2017	October 2018	November 2018
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	133,982	124,404	128,805
Corn oil (Corn Distillers Oil - CDO) .....	175,219	157,945	154,778
Distillers dried grains (DDG) .....	430,224	378,003	376,137
Distillers dried grains with solubles (DDGS) .....	1,996,869	1,969,224	1,930,259
Distillers wet grains (DWG) 65% or more moisture .....	1,375,547	1,347,600	1,314,662
Modified distillers wet grains (DWG) 40% to 64% moisture .....	476,566	452,699	472,972
<b>Wet mill</b>			
Corn germ meal .....	95,999	61,021	54,967
Corn gluten feed .....	311,957	282,713	285,362
Corn gluten meal .....	90,366	90,899	85,510
Wet corn gluten feed 40% to 60% moisture .....	303,209	245,681	257,003
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	207,728	252,895	222,757

## 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).

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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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