



# Grain Crushings and Co-Products Production

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## Highlights

**October 2017** contained 31 days.

**November 2017** contained 30 days.

**Total corn consumed** for alcohol and other uses was 525 million bushels in November 2017. Total corn consumption was up 1 percent from October 2017. November 2017 usage included 92.3 percent for alcohol and 7.7 percent for other purposes. Corn consumed for beverage alcohol totaled 3.45 million bushels, up 16 percent from October 2017 and up 3 percent from November 2016. Corn for fuel alcohol, at 476 million bushels, was up 1 percent from October 2017 and up 5 percent from November 2016. Corn consumed in November 2017 for dry milling fuel production and wet milling fuel production was 90.2 percent and 9.78 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 2.00 million tons during November 2017, up 2 percent from October 2017 and up slightly from November 2016. Distillers wet grains (DWG) 65 percent or more moisture was 1.38 million tons in November 2017, up 3 percent from October 2017 and up 7 percent from November 2016.

**Wet mill corn gluten feed production** was 312 thousand tons during November 2017, down 12 percent from October 2017 but up 1 percent from November 2016. Wet corn gluten feed 40 to 60 percent moisture was 303 thousand tons in November 2017, up slightly from October 2017 but down 7 percent from November 2016.

## Dry and Wet Mill, Corn Consumed – United States: November 2017 with Comparisons

Purpose	November 2016	October 2017	November 2017
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,361	2,974	3,447
Fuel alcohol .....	452,039	470,091	475,722
Dry mill .....	407,858	419,009	429,180
Wet mill .....	44,181	51,082	46,542
Industrial alcohol .....	6,489	5,368	5,652
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	(D)	44,206	40,488

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

## Dry Mill, Sorghum Consumed – United States: November 2017 with Comparisons

Purpose	November 2016	October 2017	November 2017
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	4,914	2,419	2,883

## Dry and Wet Mill, Co-products and Products Produced – United States: November 2017 with Comparisons

Co-products and products	November 2016	October 2017	November 2017
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	126,968	136,200	133,982
Corn oil (Corn Distillers Oil - CDO) .....	147,336	169,314	175,219
Distillers dried grains (DDG) .....	423,892	449,199	430,224
Distillers dried grains with solubles (DDGS) .....	1,995,252	1,961,763	1,996,869
Distillers wet grains (DWG) 65% or more moisture .....	1,281,029	1,335,166	1,376,840
Modified distillers wet grains (DWG) 40% to 64% moisture .....	389,038	443,221	476,566
<b>Wet mill</b>			
Corn germ meal .....	63,635	90,646	95,999
Corn gluten feed .....	309,305	353,394	311,957
Corn gluten meal .....	84,092	93,463	90,366
Wet corn gluten feed 40% to 60% moisture .....	326,550	302,618	303,209
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	213,244	225,246	207,728

## 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 Environmental, Economics, and Demographics 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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