



# Grain Crushings and Co-Products Production

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## Highlights

**October 2016** contained 31 days.

**November 2016** contained 30 days.

**Total corn consumed** for beverage alcohol totaled 3.36 million bushels, up 6 percent from October 2016 and up 13 percent from November 2015. Corn for fuel alcohol, at 452 million bushels, was down 1 percent from October 2016 but up 4 percent from November 2015. Corn consumed in November 2016 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 1.96 million tons during November 2016, up 2 percent from October 2016 and up 3 percent from November 2015. Distillers wet grains (DWG) 65 percent or more moisture was 1.28 million tons in November 2016, down 1 percent from October 2016 but up 1 percent from November 2015.

**Wet mill corn gluten feed production** was 309 thousand tons during November 2016, down 10 percent from October 2016 and down 4 percent from November 2015. Wet corn gluten feed 40 to 60 percent moisture was 327 thousand tons in November 2016, up 9 percent from October 2016 and up 13 percent from November 2015.

## Dry and Wet Mill, Corn Consumed – United States: November 2016 with Comparisons

Purpose	November 2015	October 2016	November 2016
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,970	3,184	3,361
Fuel alcohol .....	433,903	455,351	451,905
Dry mill .....	387,777	407,023	407,724
Wet mill .....	46,126	48,328	44,181
Industrial alcohol .....	5,576	6,247	5,882
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	40,935	42,568	(D)

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

## Dry Mill, Sorghum Consumed – United States: November 2016 with Comparisons

Purpose	November 2015	October 2016	November 2016
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	5,615	4,519	4,914

## Dry and Wet Mill, Co-products and Products Produced – United States: November 2016 with Comparisons

Co-products and products	November 2015	October 2016	November 2016
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	124,855	145,853	126,968
Corn oil (Corn Distillers Oil - CDO) .....	129,786	141,775	147,189
Distillers dried grains (DDG) .....	413,019	448,355	423,892
Distillers dried grains with solubles (DDGS) .....	1,903,313	1,927,282	1,963,014
Distillers wet grains (DWG) 65% or more moisture .....	1,261,784	1,283,993	1,277,248
Modified distillers wet grains (DWG) 40% to 64% moisture .....	422,361	376,028	389,038
<b>Wet mill</b>			
Corn germ meal .....	67,645	58,988	63,635
Corn gluten feed .....	322,741	342,589	309,305
Corn gluten meal .....	84,505	86,227	84,092
Corn oil .....	53,597	47,860	49,393
Wet corn gluten feed 40% to 60% moisture .....	289,171	300,808	326,550
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	203,996	213,115	213,244

## 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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