



# Grain Crushings and Co-Products Production

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## Highlights

**September 2016** contained 30 days.

**October 2016** contained 31 days.

**Total corn consumed** for alcohol and other uses was 507 million bushels in October 2016. Total corn consumption was up 5 percent from September 2016 and up 3 percent from October 2015. October 2016 usage included 91.6 percent for alcohol and 8.4 percent for other purposes. Corn for beverage alcohol totaled 3.18 million bushels, up 14 percent from September 2016 and up 23 percent from October 2015. Corn for fuel alcohol, at 455 million bushels, was up 5 percent from September 2016 and up 3 percent from October 2015. Corn consumed in October 2016 for dry milling fuel production and wet milling fuel production was 89.4 percent and 10.6 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.93 million tons during October 2016, down 2 percent from September 2016 but up slightly from October 2015. Distillers wet grains (DWG) 65 percent or more moisture was 1.28 million tons in October 2016, up 8 percent from September 2016 but down 5 percent from October 2015.

**Wet mill corn gluten feed production** was 343 thousand tons during October 2016, up 5 percent from September 2016 and up 5 percent from October 2015. Wet corn gluten feed 40 to 60 percent moisture was 301 thousand tons in October 2016, down 1 percent from September 2016 but up 1 percent from October 2015.

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

Purpose	October 2015	September 2016	October 2016
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,599	2,793	3,184
Fuel alcohol .....	440,383	435,180	455,351
Dry mill .....	395,298	388,432	407,023
Wet mill .....	45,085	46,748	48,328
Industrial alcohol .....	6,687	6,135	6,247
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	42,386	41,035	42,568

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

Purpose	October 2015	September 2016	October 2016
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	4,687	2,530	4,519

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

Co-products and products	October 2015	September 2016	October 2016
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	143,025	146,764	145,853
Corn oil (Corn Distillers Oil - CDO) .....	126,813	134,269	141,775
Distillers dried grains (DDG) .....	438,027	398,124	448,355
Distillers dried grains with solubles (DDGS) .....	1,921,440	1,964,214	1,927,282
Distillers wet grains (DWG) 65% or more moisture .....	1,355,693	1,193,794	1,283,993
Modified distillers wet grains (DWG) 40% to 64% moisture .....	383,457	375,167	376,028
<b>Wet mill</b>			
Corn germ meal .....	62,784	54,996	58,988
Corn gluten feed .....	326,055	326,211	342,589
Corn gluten meal .....	83,213	86,725	86,227
Corn oil .....	48,676	50,524	47,860
Wet corn gluten feed 40% to 60% moisture .....	296,954	303,504	300,808
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	229,379	213,022	213,115

## 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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