



Grain Crushings and Co-Products Production

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Highlights

September 2018 contained 30 days.

October 2018 contained 31 days.

Total corn consumed for alcohol and other uses was 513 million bushels in October 2018. Total corn consumption was up 3 percent from September 2018 but down 2 percent from October 2017. October 2018 usage included 92.0 percent for alcohol and 8.0 percent for other purposes. Corn consumed for beverage alcohol totaled 3.29 million bushels, up 17 percent from September 2018 and up 11 percent from October 2017. Corn for fuel alcohol, at 462 million bushels, was up 4 percent from September 2018 but down 2 percent from October 2017. Corn consumed in October 2018 for dry milling fuel production and wet milling fuel production was 90.6 percent and 9.4 percent respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.98 million tons during October 2018, up 3 percent from September 2018 and up 1 percent from October 2017. Distillers wet grains (DWG) 65 percent or more moisture was 1.35 million tons in October 2018, up 4 percent from September 2018 and up 1 percent from October 2017.

Wet mill corn gluten feed production was 282,713 tons during October 2018, down 4 percent from September 2018 and down 20 percent from October 2017. Wet corn gluten feed 40 to 60 percent moisture was 245,681 tons in October 2018, up 7 percent from September 2018 but down 19 percent from October 2017.

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

Purpose	October 2017	September 2018	October 2018
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	2,974	2,808	3,291
Fuel alcohol	470,091	445,597	461,968
Dry mill	419,009	407,275	418,730
Wet mill	51,082	38,322	43,238
Industrial alcohol	5,368	7,068	6,754
Consumed for other purposes			
Total wet mill products other than fuel	44,206	41,573	40,869

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

Purpose	October 2017	September 2018	October 2018
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	2,419	4,290	4,588

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

Co-products and products	October 2017	September 2018	October 2018
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	136,200	131,317	124,404
Corn oil (Corn Distillers Oil - CDO)	169,314	155,284	158,678
Distillers dried grains (DDG)	449,199	376,510	378,003
Distillers dried grains with solubles (DDGS)	1,961,763	1,926,127	1,980,430
Distillers wet grains (DWG) 65% or more moisture	1,335,166	1,295,724	1,348,822
Modified distillers wet grains (DWG) 40% to 64% moisture	443,221	408,473	456,259
Wet mill			
Corn germ meal	90,646	59,668	61,021
Corn gluten feed	353,394	293,548	282,713
Corn gluten meal	93,463	83,262	90,899
Wet corn gluten feed 40% to 60% moisture	302,618	229,183	245,681
Dry and wet mill			
Carbon dioxide captured	225,246	260,179	252,895

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.

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