



Grain Crushings and Co-Products Production

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Highlights

September 2017 contained 30 days.

October 2017 contained 31 days.

Total corn consumed for alcohol and other uses was 523 million bushels in October 2017. Total corn consumption was up 5 percent from September 2017 and up 3 percent from October 2016. October 2017 usage included 91.5 percent for alcohol and 8.5 percent for other purposes. Corn total corn consumed for beverage alcohol totaled 2.97 million bushels, down 16 percent from September 2017 and down 7 percent from October 2016. Corn for fuel alcohol, at 470 million bushels, was up 6 percent from September 2017 and up 3 percent from October 2016. Corn consumed in October 2017 for dry milling fuel production and wet milling fuel production was 89.1 percent and 10.9 percent respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.96 million tons during October 2017, up 6 percent from September 2017 and up 2 percent from October 2016. Distillers wet grains (DWG) 65 percent or more moisture was 1.34 million tons in October 2017, up 4 percent from September 2017 and up 4 percent from October 2016.

Wet mill corn gluten feed production was 353 thousand tons during October 2017, up 10 percent from September 2017 and up 3 percent from October 2016. Wet corn gluten feed 40 to 60 percent moisture was 303 thousand tons in October 2017, up 8 percent from September 2017 and up 1 percent from October 2016.

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

Purpose	October 2016	September 2017	October 2017
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,184	3,543	2,974
Fuel alcohol	455,819	445,534	470,091
Dry mill	407,491	399,974	419,009
Wet mill	48,328	45,560	51,082
Industrial alcohol	6,247	5,557	5,368
Consumed for other purposes			
Total wet mill products other than fuel	42,568	43,393	44,206

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

Purpose	October 2016	September 2017	October 2017
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	4,519	2,391	2,419

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

Co-products and products	October 2016	September 2017	October 2017
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	145,853	135,061	136,200
Corn oil (Corn Distillers Oil - CDO)	141,775	149,792	169,314
Distillers dried grains (DDG)	448,355	454,220	449,199
Distillers dried grains with solubles (DDGS)	1,927,282	1,854,144	1,961,763
Distillers wet grains (DWG) 65% or more moisture	1,288,256	1,283,173	1,335,166
Modified distillers wet grains (DWG) 40% to 64% moisture	376,028	419,900	443,221
Wet mill			
Corn germ meal	58,988	85,798	90,646
Corn gluten feed	342,589	321,506	353,394
Corn gluten meal	86,227	87,322	93,463
Wet corn gluten feed 40% to 60% moisture	300,808	279,654	302,618
Dry and wet mill			
Carbon dioxide captured	213,115	216,846	225,246

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.

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