



Grain Crushings and Co-Products Production

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Highlights

August 2017 contained 31 days.

September 2017 contained 30 days.

Total corn consumed for alcohol and other uses was 500 million bushels in September 2017. Total corn consumption was down 8 percent from August 2017 but up 3 percent from September 2016. September 2017 usage included 91.3 percent for alcohol and 8.7 percent for other purposes. Corn total corn consumed for beverage alcohol totaled 3.54 million bushels, down slightly from August 2017 but up 27 percent from September 2016. Corn for fuel alcohol, at 448 million bushels, was down 7 percent from August 2017 but up 3 percent from September 2016. Corn consumed in September 2017 for dry milling fuel production and wet milling fuel production was 89.8 percent and 10.2 percent respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.85 million tons during September 2017, down 10 percent from August 2017 and down 6 percent from September 2016. Distillers wet grains (DWG) 65 percent or more moisture was 1.28 million tons in September 2017, down 5 percent from August 2017 but up 7 percent from September 2016.

Wet mill corn gluten feed production was 322 thousand tons during September 2017, down 13 percent from August 2017 and down 1 percent from September 2016. Wet corn gluten feed 40 to 60 percent moisture was 280 thousand tons in September 2017, down 14 percent from August 2017 and down 8 percent from September 2016.

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

Purpose	September 2016	August 2017	September 2017
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	2,793	3,550	3,543
Fuel alcohol	435,220	481,541	447,571
Dry mill	388,472	431,268	402,011
Wet mill	46,748	50,273	45,560
Industrial alcohol	6,135	5,894	5,557
Consumed for other purposes			
Total wet mill products other than fuel	41,035	51,161	43,393

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

Purpose	September 2016	August 2017	September 2017
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	2,530	3,733	2,391

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

Co-products and products	September 2016	August 2017	September 2017
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	146,764	133,909	135,052
Corn oil (Corn Distillers Oil - CDO)	134,269	160,413	149,785
Distillers dried grains (DDG)	398,124	472,705	454,220
Distillers dried grains with solubles (DDGS)	1,964,214	2,060,482	1,846,762
Distillers wet grains (DWG) 65% or more moisture	1,194,344	1,354,204	1,283,509
Modified distillers wet grains (DWG) 40% to 64% moisture	375,641	431,072	419,482
Wet mill			
Corn germ meal	54,996	65,045	85,798
Corn gluten feed	326,211	367,666	321,506
Corn gluten meal	86,725	92,823	87,322
Wet corn gluten feed 40% to 60% moisture	303,504	325,580	279,654
Dry and wet mill			
Carbon dioxide captured	213,022	225,061	213,652

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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