



Grain Crashings and Co-Products Production

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Highlights

August 2016 contained 31 days.

September 2016 contained 30 days.

Total corn consumed for alcohol and other uses was 485 million bushels in September 2016. Total corn consumption was down 5 percent from August 2016 but up 2 percent from September 2015. September 2016 usage included 91.5 percent for alcohol and 8.5 percent for other purposes. Corn for beverage alcohol totaled 2.79 million bushels, down 11 percent from August 2016 and down 20 percent from September 2015. Corn for fuel alcohol, at 435 million bushels, was down 5 percent from August 2016 but up 2 percent from September 2015. Corn consumed in September 2016 for dry milling fuel production and wet milling fuel production was 89.3 percent and 10.7 percent respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.96 million tons during September 2016, down 5 percent from August 2016 but up 5 percent from September 2015. Distillers wet grains (DWG) 65 percent or more moisture was 1.19 million tons in September 2016, down 3 percent from August 2016 and down 7 percent from September 2015.

Wet mill corn gluten feed production was 326 thousand tons during September 2016, down 3 percent from August 2016 but up 4 percent from September 2015. Wet corn gluten feed 40 to 60 percent moisture was 304 thousand tons in September 2016, down 2 percent from August 2016 but up 6 percent from September 2015.

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

Purpose	September 2015	August 2016	September 2016
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,478	3,132	2,793
Fuel alcohol	425,916	458,132	435,180
Dry mill	382,208	411,181	388,432
Wet mill	43,708	46,951	46,748
Industrial alcohol	5,673	5,810	6,135
Consumed for other purposes			
Total wet mill products other than fuel	41,906	43,670	41,035

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

Purpose	September 2015	August 2016	September 2016
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	(D)	4,366	2,530

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

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

Co-products and products	September 2015	August 2016	September 2016
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	154,104	143,040	146,764
Corn oil (Corn Distillers Oil - CDO)	116,155	142,000	134,269
Distillers dried grains (DDG)	420,458	428,748	398,124
Distillers dried grains with solubles (DDGS)	1,875,100	2,072,699	1,964,214
Distillers wet grains (DWG) 65% or more moisture	1,289,753	1,227,680	1,193,794
Modified distillers wet grains (DWG) 40% to 64% moisture	366,770	353,664	375,167
Wet mill			
Corn germ meal	56,106	65,783	54,996
Corn gluten feed	312,543	336,916	326,211
Corn gluten meal	86,522	87,793	86,725
Corn oil	42,605	53,970	50,524
Wet corn gluten feed 40% to 60% moisture	286,615	309,077	303,504
Dry and wet mill			
Carbon dioxide captured	210,337	224,408	213,022

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.

Jody McDaniel, Chief, Environmental, Economics, and Demographics Branch	(202) 720-6146
Scott Shimmin, Head, Environmental and Demographics Section.....	(202) 720-0684
Stephanie Brennan – Field Crops Chemical Use	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
Ryan Cowen - Farms, Land in Farms, Census of Agriculture.....	(202) 690-3233
Doug Farmer – Vegetable Chemical Use.....	(202) 720-7492
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Megan Lipke – Census of Agriculture	(202) 720-5881
Miste Salmon – Current Agricultural Industrial Reports	(202) 690-3226
Dominique Sims – Census of Agriculture.....	(202) 690-4752
Theresa Varner – Farm Labor, Chemical Use.....	(202) 690-2284

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