



Grain Crushings and Co-Products Production

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Highlights

August 2019 contained 31 days.

September 2019 contained 30 days.

Total corn consumed for alcohol and other uses was 455 million bushels in September 2019. Total corn consumption was down 10 percent from August 2019 and down 9 percent from September 2018. September 2019 usage included 91.3 percent for alcohol and 8.7 percent for other purposes. Corn consumed for beverage alcohol totaled 3.30 million bushels, down 1 percent from August 2019 but up 18 percent from September 2018. Corn for fuel alcohol, at 407 million bushels, was down 11 percent from August 2019 and down 10 percent from September 2018. Corn consumed in September 2019 for dry milling fuel production and wet milling fuel production was 90.1 percent and 9.9 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.78 million tons during September 2019, down 11 percent from August 2019 and down 9 percent from September 2018. Distillers wet grains (DWG) 65 percent or more moisture was 1.22 million tons in September 2019, down 5 percent from August 2019 and down 6 percent from September 2018.

Wet mill corn gluten feed production was 289,797 tons during September 2019, down 5 percent from August 2019 and down 1 percent from September 2018. Wet corn gluten feed 40 to 60 percent moisture was 208,645 tons in September 2019, down 20 percent from August 2019 and down 9 percent from September 2018.

Dry and Wet Mill, Corn Consumed – United States: September 2019 with Comparisons

Purpose	September 2018	August 2019	September 2019
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	2,808	3,341	3,300
Fuel alcohol	449,288	454,633	406,521
Dry mill	410,966	410,749	366,349
Wet mill	38,322	43,884	40,172
Industrial alcohol	7,068	5,929	5,635
Consumed for other purposes			
Total wet mill products other than fuel	41,573	43,906	39,683

Dry Mill, Sorghum Consumed – United States: September 2019 with Comparisons

Purpose	September 2018	August 2019	September 2019
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	4,290	6,115	5,127

Dry and Wet Mill, Co-products and Products Produced – United States: September 2019 with Comparisons

Co-products and products	September 2018	August 2019	September 2019
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	131,317	95,690	102,911
Corn oil (Corn Distillers Oil - CDO)	155,284	163,646	142,818
Distillers dried grains (DDG)	376,510	336,043	289,633
Distillers dried grains with solubles (DDGS)	1,951,327	2,014,491	1,784,320
Distillers wet grains (DWG) 65% or more moisture	1,295,724	1,282,770	1,217,873
Modified distillers wet grains (DWG) 40% to 64% moisture	408,708	409,285	398,794
Wet mill			
Corn germ meal	59,668	58,475	59,451
Corn gluten feed	293,548	306,375	289,797
Corn gluten meal	83,262	90,513	86,423
Wet corn gluten feed 40% to 60% moisture	229,183	261,243	208,645
Dry and wet mill			
Carbon dioxide captured	260,179	266,355	253,981

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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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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