



Grain Crushings and Co-Products Production

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Highlights

November 2018 contained 30 days.

December 2018 contained 31 days.

Total corn consumed for alcohol and other uses was 511 million bushels in December 2018. Total corn consumption was up 2 percent from November 2018 but down 5 percent from December 2017. December 2018 usage included 92.0 percent for alcohol and 8.0 percent for other purposes. Corn consumed for beverage alcohol totaled 2.55 million bushels, down 13 percent from November 2018 but up 13 percent from December 2017. Corn for fuel alcohol, at 461 million bushels, was up 1 percent from November 2018 but down 6 percent from December 2017. Corn consumed in December 2018 for dry milling fuel production and wet milling fuel production was 90.5 percent and 9.5 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.93 million tons during December 2018, down slightly from November 2018 and down 2 percent from December 2017. Distillers wet grains (DWG) 65 percent or more moisture was 1.40 million tons in December 2018, up 6 percent from November 2018 but down 2 percent from December 2017.

Wet mill corn gluten feed production was 290,178 tons during December 2018, up 2 percent from November 2018 but down 9 percent from December 2017. Wet corn gluten feed 40 to 60 percent moisture was 256,146 tons in December 2018, down slightly from November 2018 and down 17 percent from December 2017.

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

Purpose	December 2017	November 2018	December 2018
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	2,249	2,941	2,547
Fuel alcohol	487,713	454,533	460,512
Dry mill	439,929	413,191	416,897
Wet mill	47,784	41,342	43,615
Industrial alcohol	6,844	5,782	7,135
Consumed for other purposes			
Total wet mill products other than fuel	41,253	40,248	40,865

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

Purpose	December 2017	November 2018	December 2018
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	2,295	5,314	3,045

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

Co-products and products	December 2017	November 2018	December 2018
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	124,098	128,805	133,380
Corn oil (Corn Distillers Oil - CDO)	174,078	154,778	153,439
Distillers dried grains (DDG)	442,427	376,137	358,422
Distillers dried grains with solubles (DDGS)	1,967,745	1,930,259	1,927,761
Distillers wet grains (DWG) 65% or more moisture	1,431,323	1,314,662	1,397,288
Modified distillers wet grains (DWG) 40% to 64% moisture	511,763	472,972	466,681
Wet mill			
Corn germ meal	71,732	54,967	60,677
Corn gluten feed	318,694	285,362	290,178
Corn gluten meal	91,092	85,510	88,638
Wet corn gluten feed 40% to 60% moisture	309,765	257,003	256,146
Dry and wet mill			
Carbon dioxide captured	209,638	222,757	227,931

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.

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Travis Thorson, Head, Field Crops Section.....	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans	(202) 690-3234
Jannety Mosley – Crop Weather, Barley.....	(202) 720-7621
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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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@nass.usda.gov.

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