



# Grain Crushings and Co-Products Production

ISSN: 2377-3855

---

Released February 1, 2018, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Highlights

**November 2017** contained 30 days.

**December 2017** contained 31 days.

**Total corn consumed** for alcohol and other uses was 538 million bushels in December 2017. Total corn consumption was up 2 percent from November 2017 and up 2 percent from December 2016. December 2017 usage included 92.3 percent for alcohol and 7.7 percent for other purposes. Corn consumed for beverage alcohol totaled 2.25 million bushels, down 35 percent from November 2017 and down 13 percent from December 2016. Corn for fuel alcohol, at 487 million bushels, was up 2 percent from November 2017 and up 3 percent from December 2016. Corn consumed in December 2017 for dry milling fuel production and wet milling fuel production was 90.2 percent and 9.80 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.97 million tons during December 2017, down 2 percent from November 2017 and down 6 percent from December 2016. Distillers wet grains (DWG) 65 percent or more moisture was 1.43 million tons in December 2017, up 4 percent from November 2017 and up slightly from December 2016.

**Wet mill corn gluten feed production** was 319 thousand tons during December 2017, up 2 percent from November 2017 but down 9 percent from December 2016. Wet corn gluten feed 40 to 60 percent moisture was 310 thousand tons in December 2017, up 2 percent from November 2017 but down 3 percent from December 2016.

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

Purpose	December 2016	November 2017	December 2017
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,595	3,447	2,249
Fuel alcohol .....	473,997	475,665	487,399
Dry mill .....	424,893	429,123	439,615
Wet mill .....	49,104	46,542	47,784
Industrial alcohol .....	6,108	5,652	6,844
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	43,272	40,488	41,253

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

Purpose	December 2016	November 2017	December 2017
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	5,422	2,867	2,295

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

Co-products and products	December 2016	November 2017	December 2017
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	138,747	133,982	124,098
Corn oil (Corn Distillers Oil - CDO) .....	143,942	175,219	174,106
Distillers dried grains (DDG) .....	442,824	430,224	442,427
Distillers dried grains with solubles (DDGS) .....	2,095,550	1,996,869	1,966,491
Distillers wet grains (DWG) 65% or more moisture .....	1,428,635	1,375,547	1,431,323
Modified distillers wet grains (DWG) 40% to 64% moisture .....	434,498	476,566	511,669
<b>Wet mill</b>			
Corn germ meal .....	63,600	95,999	71,732
Corn gluten feed .....	349,226	311,957	318,694
Corn gluten meal .....	89,092	90,366	91,092
Wet corn gluten feed 40% to 60% moisture .....	317,759	303,209	309,765
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	201,315	207,728	205,326

## 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](mailto: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 – Census of Agriculture .....	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
David Colwell – Current Agricultural Industrial Reports .....	(202) 690-3226
Doug Farmer – Vegetable Chemical Use .....	(202) 720-7492
Joseph Hagedorn – Census of Agriculture.....	(202) 690-2284
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Dominique Sims – Census of Agriculture.....	(202) 690-4752

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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](mailto:nass@nass.usda.gov).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).