



# Grain Crushings and Co-Products Production

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## Special Note

The *Grain Crushings and Co-Products Production* publication is a product of NASS's Current Agricultural Industrial Reports (CAIR) program. CAIR will provide a data series that was previously made available by the U.S. Census Bureau's Current Industrial Reports (CIR) program but discontinued in 2011. For the details on the CAIR program see,

[http://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Current\\_Agricultural\\_Industrial\\_Reports/index.asp](http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Current_Agricultural_Industrial_Reports/index.asp).

The February 19, 2015 release of the *Grain Crushings and Co-Products Production* is the first in a series of monthly publications that will be released at the beginning of each month. The publication will include monthly statistics on feedstock consumption by alcohol producing facilities, as well as products and co-products produced.

## Highlights

**Total corn consumed** for alcohol and other uses was 510.1 million bushels in December 2014. Total corn consumption was up 5 percent from November 2014 and up 7 percent from October 2014. December usage included 91.2 percent for alcohol and 8.8 percent for other purposes. Corn for beverage alcohol totaled 2.36 million bushels, down 21 percent from November and down 44 percent from October. Corn for fuel alcohol at 456.0 million bushels was up 5 percent from November and up 7 percent from October. Corn consumed for fuel production included dry milling (89.2 percent) and wet milling (10.8 percent). Corn used for purposes other than fuel production totaled 44.9 million bushels, up 7 percent from November and up 14 percent from October.

**Sorghum consumption** for fuel alcohol was 889 thousand hundredweight during December 2014. Total sorghum consumption was down 57 percent from the November and down 53 percent from October 2014.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.9 million tons during December 2014, up 8 percent from November 2014 and up 3 percent from October 2014. Distillers wet grains (DWG) 65 percent or more moisture was 1.4 million tons in December 2014, up 4 percent from November 2014 and up 6 percent from October 2014.

**Wet mill corn gluten feed** production was 329.4 thousand tons during December 2014, up 12 percent from November 2014 and up 3 percent from October 2014. Wet corn gluten feed 40 to 60 percent moisture was 338.1 thousand tons in December 2014, up 7 percent from November 2014 and up 5 percent from October 2014.

## Dry and Wet Mill, Corn Consumed – United States: October - December, 2014

Purpose	October 2014	November 2014	December 2014
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	4,200	2,975	2,364
Fuel alcohol .....	427,347	433,939	455,956
Dry mill .....	381,881	388,410	406,684
Wet mill .....	45,466	45,529	49,272
Industrial alcohol .....	5,664	6,293	6,953
Total .....	437,211	443,207	465,273
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	39,384	41,855	44,866

## Dry Mill, Sorghum Consumed – United States: October - December, 2014

Purpose	October 2014	November 2014	December 2014
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	1,900	2,070	889

## Dry and Wet Mill, Co-products and Products Produced – United States: October - December, 2014

Co-products and products	October 2014	November 2014	December 2014
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	149,960	132,236	172,082
Corn oil .....	107,516	107,190	97,380
Distillers dried grains (DDG) .....	420,226	419,028	448,551
Distillers dried grains with solubles (DDGS) .....	1,856,472	1,770,904	1,919,823
Distillers wet grains (DWG) 65% or more moisture .....	1,333,264	1,354,729	1,411,411
Modified distillers wet grains (DWG) 40% to 64% moisture .....	413,040	472,819	503,258
<b>Wet mill</b>			
Corn germ meal .....	78,674	66,384	75,031
Corn gluten feed .....	320,692	295,030	329,431
Corn gluten meal .....	92,665	89,593	94,777
Corn oil .....	47,405	40,980	44,551
Wet corn gluten feed 40% to 60% moisture .....	320,919	317,273	338,077
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	240,056	205,305	217,311

## 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. The first annual summary will be published in March of 2016.

**Reliability:** Approximately 130 reports are received each month which represent about 94 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).

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