



# Grain Crushings and Co-Products Production

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## Special Note

The format of the *Grain Crushings and Co-Products Production* publication has been updated to include previous year. The data series began with October 2014 data. Starting with this issue, the tables include previous year for comparison.

## Highlights

**October 2014** contained 31 days.

**September 2015** contained 30 days.

**October 2015** contained 31 days.

**Total corn consumed** for alcohol and other uses was 495.8 million bushels in October 2015. Total corn consumption was up 4 percent from September 2015 and up 4 percent from October 2014. October usage included 91.5 percent for alcohol and 8.5 percent for other purposes. Corn for beverage alcohol totaled 2.60 million bushels, down 25 percent from September and down 38 percent from October 2014. Corn for fuel alcohol, at 444.1 million bushels, was up 4 percent from September and up 4 percent from October 2014. Corn consumed in October 2015 for dry milling fuel production and wet milling fuel production was 89.8 percent and 10.2 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.95 million tons during October 2015, up 2 percent from September 2015 and up 5 percent from October 2014. Distillers wet grains (DWG) 65 percent or more moisture was 1.23 million tons in October 2015, up 5 percent from September 2015 but down 8 percent from October 2014.

**Wet mill corn gluten feed production** was 326.1 thousand tons during October 2015, up 4 percent from September 2015 and up 2 percent from October 2014. Wet corn gluten feed 40 to 60 percent moisture was 297.0 thousand tons in October 2015, up 4 percent from September 2015 but down 7 percent from October 2014.

## Dry and Wet Mill, Corn Consumed – United States: October 2015 with Comparisons

Purpose	October 2014	September 2015	October 2015
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	4,200	3,478	2,599
Fuel alcohol .....	427,347	427,500	444,115
Dry mill .....	381,881	383,792	399,030
Wet mill .....	45,466	43,708	45,085
Industrial alcohol .....	5,664	5,673	6,687
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	39,384	41,906	42,386

## Dry Mill, Sorghum Consumed – United States: October 2015 with Comparisons

Purpose	October 2014	September 2015	October 2015
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	1,900	(D)	(S)

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

(S) Insufficient number of reports to establish an estimate.

## Dry and Wet Mill, Co-products and Products Produced – United States: October 2015 with Comparisons

Co-products and products	October 2014	September 2015	October 2015
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	149,960	156,935	145,649
Corn oil .....	107,516	117,622	128,337
Distillers dried grains (DDG) .....	420,226	420,458	438,027
Distillers dried grains with solubles (DDGS) .....	1,856,472	1,907,470	1,953,850
Distillers wet grains (DWG) 65% or more moisture .....	1,333,264	1,165,422	1,226,333
Modified distillers wet grains (DWG) 40% to 64% moisture .....	413,040	369,209	386,299
<b>Wet mill</b>			
Corn germ meal .....	78,674	56,106	62,784
Corn gluten feed .....	320,692	312,543	326,055
Corn gluten meal .....	92,665	86,522	83,213
Corn oil .....	47,405	42,605	48,676
Wet corn gluten feed 40% to 60% moisture .....	320,919	286,615	296,954
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	240,056	210,625	229,391

## 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 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).

Troy Joshua, 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
Ginger Harris – Census of Agriculture.....	(502) 582-5293
Steve Peterson – Farms, Land in Farms, Census of Agriculture .....	(202) 720-5581
Miste Salmon – Current Agricultural Industrial Reports .....	(202) 690-3226
Theresa Varner – Farm Labor, Chemical Use.....	(202) 690-2284

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