



# Grain Crushings and Co-Products Production

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## Highlights

**April 2018** contained 30 days.

**May 2018** contained 31 days.

**Total corn consumed** for alcohol and other uses was 524 million bushels in May 2018. Total corn consumption was up 5 percent from April 2018 and up 3 percent from May 2017. May 2018 usage included 91.4 percent for alcohol and 8.6 percent for other purposes. Corn consumed for beverage alcohol totaled 2.92 million bushels, down 6 percent from April 2018 and down 5 percent from May 2017. Corn for fuel alcohol, at 470 million bushels, was up 6 percent from April 2018 and up 4 percent from May 2017. Corn consumed in May 2018 for dry milling fuel production and wet milling fuel production was 91.5 percent and 8.5 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.97 million tons during May 2018, up 7 percent from April 2018 and up 3 percent from May 2017. Distillers wet grains (DWG) 65 percent or more moisture was 1.40 million tons in May 2018, up slightly from April 2018 and up 1 percent from May 2017.

**Wet mill corn gluten feed production** was 292 thousand tons during May 2018, down 4 percent from April 2018 and down 15 percent from May 2017. Wet corn gluten feed 40 to 60 percent moisture was 281 thousand tons in May 2018, up 10 percent from April 2018 but down 10 percent from May 2017.

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

Purpose	May 2017	April 2018	May 2018
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,077	3,096	2,924
Fuel alcohol .....	452,966	445,323	470,404
Dry mill .....	406,016	405,732	430,324
Wet mill .....	46,950	39,591	40,080
Industrial alcohol .....	6,463	6,006	6,198
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	46,462	43,884	44,836

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

Purpose	May 2017	April 2018	May 2018
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	6,563	2,643	(S)

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

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

Co-products and products	May 2017	April 2018	May 2018
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	146,225	135,883	137,929
Corn oil (Corn Distillers Oil - CDO) .....	148,544	144,813	159,718
Distillers dried grains (DDG) .....	435,640	372,741	392,070
Distillers dried grains with solubles (DDGS) .....	1,906,829	1,831,598	1,968,728
Distillers wet grains (DWG) 65% or more moisture .....	1,377,061	1,394,684	1,397,439
Modified distillers wet grains (DWG) 40% to 64% moisture .....	460,432	485,841	467,398
<b>Wet mill</b>			
Corn germ meal .....	63,302	60,089	62,146
Corn gluten feed .....	341,167	304,716	291,542
Corn gluten meal .....	91,895	91,427	92,487
Wet corn gluten feed 40% to 60% moisture .....	313,876	254,638	280,979
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	201,035	216,215	214,508

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

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