



# Grain Crushings and Co-Products Production

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## Highlights

**December 2018** contained 31 days.

**January 2019** contained 31 days.

**Total corn consumed** for alcohol and other uses was 493 million bushels in January 2019. Total corn consumption was down 4 percent from December 2018 and down 6 percent from January 2018. January 2019 usage included 92.1 percent for alcohol and 7.9 percent for other purposes. Corn consumed for beverage alcohol totaled 2.87 million bushels, up 13 percent from December 2018 but down 2 percent from January 2018. Corn for fuel alcohol, at 444 million bushels, was down 4 percent from December 2018 and down 7 percent from January 2018. Corn consumed in January 2019 for dry milling fuel production and wet milling fuel production was 91.3 percent and 8.7 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.82 million tons during January 2019, down 5 percent from December 2018 and down 8 percent from January 2018. Distillers wet grains (DWG) 65 percent or more moisture was 1.30 million tons in January 2019, down 7 percent from December 2018 and down 10 percent from January 2018.

**Wet mill corn gluten feed production** was 263,218 tons during January 2019, down 9 percent from December 2018 and down 13 percent from January 2018. Wet corn gluten feed 40 to 60 percent moisture was 253,103 tons in January 2019, down 1 percent from December 2018 and down 8 percent from January 2018.

## Dry and Wet Mill, Corn Consumed – United States: January 2019 with Comparisons

Purpose	January 2018	December 2018	January 2019
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,933	2,547	2,869
Fuel alcohol .....	476,129	461,644	444,016
Dry mill .....	431,474	418,029	405,454
Wet mill .....	44,655	43,615	38,562
Industrial alcohol .....	6,114	7,135	6,787
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	40,909	40,865	38,948

## Dry Mill, Sorghum Consumed – United States: January 2019 with Comparisons

Purpose	January 2018	December 2018	January 2019
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	(D)	3,045	4,883

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

## Dry and Wet Mill, Co-products and Products Produced – United States: January 2019 with Comparisons

Co-products and products	January 2018	December 2018	January 2019
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	147,329	134,094	118,145
Corn oil (Corn Distillers Oil - CDO) .....	164,325	152,918	148,896
Distillers dried grains (DDG) .....	406,648	357,196	369,647
Distillers dried grains with solubles (DDGS) .....	1,986,257	1,924,199	1,822,623
Distillers wet grains (DWG) 65% or more moisture .....	1,443,327	1,396,462	1,303,504
Modified distillers wet grains (DWG) 40% to 64% moisture .....	512,520	472,469	469,787
<b>Wet mill</b>			
Corn germ meal .....	62,669	60,677	61,166
Corn gluten feed .....	303,966	290,178	263,218
Corn gluten meal .....	91,519	88,638	84,214
Wet corn gluten feed 40% to 60% moisture .....	275,284	256,146	253,103
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	208,318	228,754	261,241

## 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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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).

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