



# Grain Crushings and Co-Products Production

ISSN: 2377-3855

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Released January 2, 2020, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Highlights

**October 2019** contained 31 days.

**November 2019** contained 30 days.

**Total corn consumed** for alcohol and other uses was 507 million bushels in November 2019. Total corn consumption was up 5 percent from October 2019 and up 1 percent from November 2018. November 2019 usage included 92.0 percent for alcohol and 8.0 percent for other purposes. Corn consumed for beverage alcohol totaled 3.41 million bushels, up 7 percent from October 2019 and up 16 percent from November 2018. Corn for fuel alcohol, at 457 million bushels, was up 5 percent from October 2019 and up less than 1 percent from November 2018. Corn consumed in November 2019 for dry milling fuel production and wet milling fuel production was 90.5 percent and 9.5 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.88 million tons during November 2019, up 3 percent from October 2019 but down 3 percent from November 2018. Distillers wet grains (DWG) 65 percent or more moisture was 1.35 million tons in November 2019, up 5 percent from October 2019 and up 3 percent from November 2018.

**Wet mill corn gluten feed production** was 272,089 tons during November 2019, down 7 percent from October 2019 and down 5 percent from November 2018. Wet corn gluten feed 40 to 60 percent moisture was 262,089 tons in November 2019, up 12 percent from October 2019 and up 2 percent from November 2018.

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

Purpose	November 2018	October 2019	November 2019
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,941	3,195	3,406
Fuel alcohol .....	454,533	433,097	456,660
Dry mill .....	413,191	390,647	413,477
Wet mill .....	41,342	42,450	43,183
Industrial alcohol .....	5,782	6,324	6,198
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	40,248	39,577	40,433

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

Purpose	November 2018	October 2019	November 2019
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	5,314	4,054	4,044

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

Co-products and products	November 2018	October 2019	November 2019
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	128,805	93,867	99,399
Corn oil (Corn Distillers Oil - CDO) .....	154,778	147,749	159,852
Distillers dried grains (DDG) .....	376,137	348,762	316,390
Distillers dried grains with solubles (DDGS) .....	1,930,259	1,832,185	1,880,488
Distillers wet grains (DWG) 65% or more moisture .....	1,314,662	1,286,409	1,348,281
Modified distillers wet grains (DWG) 40% to 64% moisture .....	472,972	447,475	458,120
<b>Wet mill</b>			
Corn germ meal .....	54,967	51,988	63,073
Corn gluten feed .....	285,362	293,890	272,089
Corn gluten meal .....	85,510	87,589	90,102
Wet corn gluten feed 40% to 60% moisture .....	257,003	233,348	262,089
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	222,757	228,165	222,636

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

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