



# Grain Crushings and Co-Products Production

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## Highlights

**October 2021** contained 31 days.

**November 2021** contained 30 days.

**Total corn consumed** for alcohol and other uses was 521 million bushels in November 2021. Total corn consumption was up slightly from October 2021 and up 8 percent from November 2020. November 2021 usage included 92.2 percent for alcohol and 7.8 percent for other purposes. Corn consumed for beverage alcohol totaled 4.79 million bushels, up 25 percent from October 2021 and up 21 percent from November 2020. Corn for fuel alcohol, at 469 million bushels, was up less than 1 percent from October 2021 and up 9 percent from November 2020. Corn consumed in November 2021 for dry milling fuel production and wet milling fuel production was 92.0 percent and 8.0 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 2.00 million tons during November 2021, up 2 percent from October 2021 and up 11 percent from November 2020. Distillers wet grains (DWG) 65 percent or more moisture was 1.33 million tons in November 2021, up 2 percent from October 2021 and up 20 percent from November 2020.

**Wet mill corn gluten feed production** was 278,434 tons during November 2021, down 7 percent from October 2021 and down 6 percent from November 2020. Wet corn gluten feed 40 to 60 percent moisture was 211,260 tons in November 2021, down 1 percent from October 2021 but up 5 percent from November 2020.

## Dry and Wet Mill, Corn Consumed – United States: November 2021 with Comparisons

Purpose	November 2020	October 2021	November 2021
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,952	3,837	4,790
Fuel alcohol .....	431,661	467,934	468,655
Dry mill .....	390,774	426,983	430,995
Wet mill .....	40,887	40,951	37,660
Industrial alcohol .....	5,911	6,092	6,362
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	39,121	41,748	40,792

## Dry Mill, Sorghum Consumed – United States: November 2021 with Comparisons

Purpose	November 2020	October 2021	November 2021
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	(D)	693	(D)

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

## Dry and Wet Mill, Co-products and Products Produced – United States: November 2021 with Comparisons

Co-products and products	November 2020	October 2021	November 2021
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	73,803	95,239	87,051
Corn oil (Corn Distillers Oil - CDO) .....	166,596	183,804	187,291
Distillers dried grains (DDG) .....	372,899	383,939	379,071
Distillers dried grains with solubles (DDGS) .....	1,794,035	1,948,812	1,997,444
Distillers wet grains (DWG) 65% or more moisture .....	1,106,887	1,299,324	1,328,995
Modified distillers wet grains (DWG) 40% to 64% moisture .....	421,779	396,748	515,758
<b>Wet mill</b>			
Corn germ meal .....	53,825	65,635	61,842
Corn gluten feed .....	295,358	300,634	278,434
Corn gluten meal .....	108,624	108,083	110,303
Wet corn gluten feed 40% to 60% moisture .....	200,831	212,455	211,260
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	185,219	236,582	219,586

## 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@usda.gov](mailto: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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