



# Grain Crushings and Co-Products Production

ISSN: 2377-3855

---

Released January 3, 2023, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Highlights

**October 2022** contained 31 days.

**November 2022** contained 30 days.

**Total corn consumed** for alcohol and other uses was 498 million bushels in November 2022. Total corn consumption was down 1 percent from October 2022 and down 4 percent from November 2021. November 2022 usage included 91.9 percent for alcohol and 8.1 percent for other purposes. Corn consumed for beverage alcohol totaled 4.42 million bushels, down 4 percent from October 2022 and down 8 percent from November 2021. Corn for fuel alcohol, at 447 million bushels, was down less than 1 percent from October 2022 and down 4 percent from November 2021. Corn consumed in November 2022 for dry milling fuel production and wet milling fuel production was 92.2 percent and 7.8 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.78 million tons during November 2022, up 2 percent from October 2022 but down 11 percent from November 2021. Distillers wet grains (DWG) 65 percent or more moisture was 1.46 million tons in November 2022, up 5 percent from October 2022 and up 10 percent from November 2021.

**Wet mill corn gluten feed production** was 277,379 tons during November 2022, up 3 percent from October 2022 but down less than 1 percent from November 2021. Wet corn gluten feed 40 to 60 percent moisture was 203,891 tons in November 2022, down 2 percent from October 2022 and down 3 percent from November 2021.

## Dry and Wet Mill, Corn Consumed – United States: November 2022 with Comparisons

Purpose	November 2021	October 2022	November 2022
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	4,790	4,585	4,417
Fuel alcohol .....	466,867	449,026	447,397
Dry mill .....	429,207	414,854	412,719
Wet mill .....	37,660	34,172	34,678
Industrial alcohol .....	6,362	6,898	5,638
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	40,792	44,477	40,160

## Dry Mill, Sorghum Consumed – United States: November 2022 with Comparisons

Purpose	November 2021	October 2022	November 2022
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	(D)	(D)	(D)

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

## Dry and Wet Mill, Co-products and Products Produced – United States: November 2022 with Comparisons

Co-products and products	November 2021	October 2022	November 2022
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	87,051	102,605	98,142
Corn oil (Corn Distillers Oil - CDO) .....	187,291	186,770	186,573
Distillers dried grains (DDG) .....	379,071	388,993	381,114
Distillers dried grains with solubles (DDGS) .....	1,997,444	1,745,419	1,778,479
Distillers wet grains (DWG) 65% or more moisture .....	1,328,995	1,397,867	1,461,021
Modified distillers wet grains (DWG) 40% to 64% moisture .....	515,758	490,060	571,920
<b>Wet mill</b>			
Corn germ meal .....	61,842	56,209	53,561
Corn gluten feed .....	278,434	268,672	277,379
Corn gluten meal .....	110,303	116,270	112,372
Wet corn gluten feed 40% to 60% moisture .....	211,260	208,273	203,891
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	219,586	220,219	227,042

## 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)

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section .....	(202) 720-2127
Irwin Anolik – Crop Weather .....	(202) 720-7621
Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay .....	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet .....	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds .....	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov).
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer](http://www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).