



Grain Crushings and Co-Products Production

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Highlights

October 2023 contained 31 days.

November 2023 contained 30 days.

Total corn consumed for alcohol and other uses was 505 million bushels in November 2023. Total corn consumption was down 1 percent from October 2023 but up 1 percent from November 2022. November 2023 usage included 92.4 percent for alcohol and 7.6 percent for other purposes. Corn consumed for beverage alcohol totaled 5.35 million bushels, down 17 percent from October 2023 but up 21 percent from November 2022. Corn for fuel alcohol, at 455 million bushels, was down 1 percent from October 2023 but up 1 percent from November 2022. Corn consumed in November 2023 for dry milling fuel production and wet milling fuel production was 92.1 percent and 7.9 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.80 million tons during November 2023, down 1 percent from October 2023 but up 1 percent from November 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.37 million tons in November 2023, down 1 percent from October 2023 and down 6 percent from November 2022.

Wet mill corn gluten feed production was 242,462 tons during November 2023, down 9 percent from October 2023 and down 13 percent from November 2022. Wet corn gluten feed 40 to 60 percent moisture was 202,534 tons in November 2023, down 5 percent from October 2023 and down 1 percent from November 2022.

Dry and Wet Mill, Corn Consumed – United States: November 2023 with Comparisons

Purpose	November 2022	October 2023	November 2023
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	4,417	6,421	5,351
Fuel alcohol	450,535	460,030	454,987
Dry mill	415,857	422,994	419,204
Wet mill	34,678	37,036	35,783
Industrial alcohol	5,638	4,750	6,116
Consumed for other purposes			
Total wet mill products other than fuel	40,160	38,329	38,331

Dry and Wet Mill, Co-products and Products Produced – United States: November 2023 with Comparisons

Co-products and products	November 2022	October 2023	November 2023
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	98,182	114,333	122,984
Corn oil (Corn Distillers Oil - CDO)	186,644	189,584	188,008
Distillers dried grains (DDG)	381,114	431,149	399,555
Distillers dried grains with solubles (DDGS)	1,778,479	1,820,272	1,796,675
Distillers wet grains (DWG) 65% or more moisture	1,461,021	1,376,734	1,367,046
Modified distillers wet grains (DWG) 40% to 64% moisture	558,128	424,469	453,944
Wet mill			
Corn germ meal	53,561	53,397	61,690
Corn gluten feed	277,379	265,908	242,462
Corn gluten meal	112,372	116,953	110,684
Wet corn gluten feed 40% to 60% moisture	203,891	212,424	202,534
Dry and wet mill			
Carbon dioxide captured	227,042	223,201	198,060

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

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- 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 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.

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