



Grain Crushings and Co-Products Production

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Highlights

November 2022 contained 30 days.

December 2022 contained 31 days.

Total corn consumed for alcohol and other uses was 474 million bushels in December 2022. Total corn consumption was down 5 percent from November 2022 and down 11 percent from December 2021. December 2022 usage included 91.9 percent for alcohol and 8.1 percent for other purposes. Corn consumed for beverage alcohol totaled 4.45 million bushels, up 1 percent from November 2022 but down 6 percent from December 2021. Corn for fuel alcohol, at 425 million bushels, was down 6 percent from November 2022 and down 11 percent from December 2021. Corn consumed in December 2022 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 1.68 million tons during December 2022, down 6 percent from November 2022 and down 19 percent from December 2021. Distillers wet grains (DWG) 65 percent or more moisture was 1.36 million tons in December 2022, down 7 percent from November 2022 and down 4 percent from December 2021.

Wet mill corn gluten feed production was 252,788 tons during December 2022, down 9 percent from November 2022 and down 11 percent from December 2021. Wet corn gluten feed 40 to 60 percent moisture was 188,584 tons in December 2022, down 8 percent from November 2022 and down 12 percent from December 2021.

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

Purpose	December 2021	November 2022	December 2022
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	4,740	4,417	4,448
Fuel alcohol	477,878	450,229	425,283
Dry mill	439,172	415,551	391,314
Wet mill	38,706	34,678	33,969
Industrial alcohol	8,072	5,638	5,988
Consumed for other purposes			
Total wet mill products other than fuel	40,651	40,160	38,299

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

Purpose	December 2021	November 2022	December 2022
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
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: December 2022 with Comparisons

Co-products and products	December 2021	November 2022	December 2022
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	94,168	98,182	96,964
Corn oil (Corn Distillers Oil - CDO)	194,497	186,644	174,416
Distillers dried grains (DDG)	383,196	381,114	317,504
Distillers dried grains with solubles (DDGS)	2,073,188	1,778,479	1,679,600
Distillers wet grains (DWG) 65% or more moisture	1,422,171	1,461,021	1,363,421
Modified distillers wet grains (DWG) 40% to 64% moisture	546,625	558,128	576,406
Wet mill			
Corn germ meal	63,314	53,561	48,546
Corn gluten feed	285,387	277,379	252,788
Corn gluten meal	107,003	112,372	99,585
Wet corn gluten feed 40% to 60% moisture	214,346	203,891	188,584
Dry and wet mill			
Carbon dioxide captured	251,666	227,042	213,799

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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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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