



Grain Crushings and Co-Products Production

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Highlights

December 2022 contained 31 days.

January 2023 contained 31 days.

Total corn consumed for alcohol and other uses was 494 million bushels in January 2023. Total corn consumption was up 4 percent from December 2022 but down 4 percent from January 2022. January 2023 usage included 92.1 percent for alcohol and 7.9 percent for other purposes. Corn consumed for beverage alcohol totaled 6.08 million bushels, up 37 percent from December 2022 and up 61 percent from January 2022. Corn for fuel alcohol, at 444 million bushels, was up 4 percent from December 2022 but down 4 percent from January 2022. Corn consumed in January 2023 for dry milling fuel production and wet milling fuel production was 91.6 percent and 8.4 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.71 million tons during January 2023, up 2 percent from December 2022 but down 11 percent from January 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.26 million tons in January 2023, down 7 percent from December 2022 and down 11 percent from January 2022.

Wet mill corn gluten feed production was 268,446 tons during January 2023, up 6 percent from December 2022 but down 1 percent from January 2022. Wet corn gluten feed 40 to 60 percent moisture was 208,090 tons in January 2023, up 10 percent from December 2022 and up 6 percent from January 2022.

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

Purpose	January 2022	December 2022	January 2023
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,787	4,448	6,082
Fuel alcohol	463,512	425,295	443,551
Dry mill	427,804	391,326	406,481
Wet mill	35,708	33,969	37,070
Industrial alcohol	8,238	5,988	5,582
Consumed for other purposes			
Total wet mill products other than fuel	40,836	38,299	38,839

Dry Mill, Sorghum Consumed – United States: January 2023 with Comparisons

Purpose	January 2022	December 2022	January 2023
	(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: January 2023 with Comparisons

Co-products and products	January 2022	December 2022	January 2023
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	100,263	96,964	100,116
Corn oil (Corn Distillers Oil - CDO)	175,110	174,416	172,399
Distillers dried grains (DDG)	356,957	317,504	374,753
Distillers dried grains with solubles (DDGS)	1,929,115	1,679,600	1,714,389
Distillers wet grains (DWG) 65% or more moisture	1,425,897	1,363,421	1,262,056
Modified distillers wet grains (DWG) 40% to 64% moisture	535,036	576,406	582,926
Wet mill			
Corn germ meal	53,504	48,546	48,319
Corn gluten feed	271,890	252,788	268,446
Corn gluten meal	102,711	99,585	117,945
Wet corn gluten feed 40% to 60% moisture	197,175	188,584	208,090
Dry and wet mill			
Carbon dioxide captured	229,006	213,799	213,294

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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