



Grain Crushings and Co-Products Production

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Highlights

March 2023 contained 31 days.

April 2023 contained 30 days.

Total corn consumed for alcohol and other uses was 468 million bushels in April 2023. Total corn consumption was down 4 percent from March 2023 and down 1 percent from April 2022. April 2023 usage included 91.5 percent for alcohol and 8.5 percent for other purposes. Corn consumed for beverage alcohol totaled 6.36 million bushels, up 11 percent from March 2023 and up 60 percent from April 2022. Corn for fuel alcohol, at 416 million bushels, was down 5 percent from March 2023 and down less than 1 percent from April 2022. Corn consumed in April 2023 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 1.62 million tons during April 2023, down 5 percent from March 2023 and down 5 percent from April 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.30 million tons in April 2023, up slightly from March 2023 but down 2 percent from April 2022.

Wet mill corn gluten feed production was 269,495 tons during April 2023, down 8 percent from March 2023 but up 3 percent from April 2022. Wet corn gluten feed 40 to 60 percent moisture was 194,485 tons in April 2023, up 4 percent from March 2023 but down 12 percent from April 2022.

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

Purpose	April 2022	March 2023	April 2023
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,971	5,707	6,355
Fuel alcohol	415,962	436,136	415,738
Dry mill	386,966	399,123	382,501
Wet mill	28,996	37,013	33,237
Industrial alcohol	8,529	5,966	5,892
Consumed for other purposes			
Total wet mill products other than fuel	44,134	40,557	39,530

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

Purpose	April 2022	March 2023	April 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: April 2023 with Comparisons

Co-products and products	April 2022	March 2023	April 2023
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	106,992	81,415	88,609
Corn oil (Corn Distillers Oil - CDO)	163,024	177,019	167,162
Distillers dried grains (DDG)	328,691	387,438	364,967
Distillers dried grains with solubles (DDGS)	1,704,698	1,705,371	1,619,677
Distillers wet grains (DWG) 65% or more moisture	1,321,275	1,298,734	1,299,150
Modified distillers wet grains (DWG) 40% to 64% moisture	517,270	505,762	470,528
Wet mill			
Corn germ meal	59,351	48,872	46,599
Corn gluten feed	260,710	292,483	269,495
Corn gluten meal	102,677	117,550	109,135
Wet corn gluten feed 40% to 60% moisture	221,071	187,120	194,485
Dry and wet mill			
Carbon dioxide captured	220,545	213,846	198,722

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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