



Grain Crushings and Co-Products Production

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Highlights

September 2023 contained 30 days.

October 2023 contained 31 days.

Total corn consumed for alcohol and other uses was 511 million bushels in October 2023. Total corn consumption was up 7 percent from September 2023 and up 1 percent from October 2022. October 2023 usage included 92.5 percent for alcohol and 7.5 percent for other purposes. Corn consumed for beverage alcohol totaled 6.42 million bushels, up 19 percent from September 2023 and up 40 percent from October 2022. Corn for fuel alcohol, at 461 million bushels, was up 7 percent from September 2023 and up 3 percent from October 2022. Corn consumed in October 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 1.80 million tons during October 2023, up 6 percent from September 2023 and up 3 percent from October 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.38 million tons in October 2023, up 5 percent from September 2023 but down 1 percent from October 2022.

Wet mill corn gluten feed production was 265,908 tons during October 2023, up 8 percent from September 2023 but down 1 percent from October 2022. Wet corn gluten feed 40 to 60 percent moisture was 212,424 tons in October 2023, up 8 percent from September 2023 and up 2 percent from October 2022.

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

Purpose	October 2022	September 2023	October 2023
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	4,585	5,381	6,421
Fuel alcohol	448,616	430,151	461,479
Dry mill	414,444	395,882	424,443
Wet mill	34,172	34,269	37,036
Industrial alcohol	6,898	4,255	4,750
Consumed for other purposes			
Total wet mill products other than fuel	44,477	38,353	38,329

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

Co-products and products	October 2022	September 2023	October 2023
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	102,605	104,197	114,333
Corn oil (Corn Distillers Oil - CDO)	186,770	174,054	189,584
Distillers dried grains (DDG)	388,993	364,881	428,841
Distillers dried grains with solubles (DDGS)	1,745,419	1,700,789	1,796,272
Distillers wet grains (DWG) 65% or more moisture	1,397,867	1,311,079	1,379,125
Modified distillers wet grains (DWG) 40% to 64% moisture	490,060	390,670	424,469
Wet mill			
Corn germ meal	56,209	54,432	53,397
Corn gluten feed	268,672	246,782	265,908
Corn gluten meal	116,270	107,988	116,953
Wet corn gluten feed 40% to 60% moisture	208,273	196,264	212,424
Dry and wet mill			
Carbon dioxide captured	220,219	203,013	223,201

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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