



Grain Crushings and Co-Products Production

ISSN: 2377-3855

Released February 1, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

November 2020 contained 30 days.

December 2020 contained 31 days.

Total corn consumed for alcohol and other uses was 478 million bushels in December 2020. Total corn consumption was down less than 1 percent from November 2020 and down 10 percent from December 2019. December 2020 usage included 92.1 percent for alcohol and 7.9 percent for other purposes. Corn consumed for beverage alcohol totaled 3.72 million bushels, down 6 percent from November 2020 but up 15 percent from December 2019. Corn for fuel alcohol, at 430 million bushels, was down less than 1 percent from November 2020 and down 10 percent from December 2019. Corn consumed in December 2020 for dry milling fuel production and wet milling fuel production was 89.5 percent and 10.5 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.78 million tons during December 2020, down 1 percent from November 2020 and down 7 percent from December 2019. Distillers wet grains (DWG) 65 percent or more moisture was 1.04 million tons in December 2020, down 3 percent from November 2020 and down 26 percent from December 2019.

Wet mill corn gluten feed production was 309,298 tons during December 2020, up 5 percent from November 2020 and up 1 percent from December 2019. Wet corn gluten feed 40 to 60 percent moisture was 220,505 tons in December 2020, down 4 percent from November 2020 and down 14 percent from December 2019.

Dry and Wet Mill, Corn Consumed – United States: December 2020 with Comparisons

Purpose	December 2019	November 2020	December 2020
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,239	3,952	3,716
Fuel alcohol	479,214	431,661	430,440
Dry mill	431,514	389,016	385,193
Wet mill	47,700	42,645	45,247
Industrial alcohol	6,804	5,911	6,331
Consumed for other purposes			
Total wet mill products other than fuel	40,958	39,121	37,948

Dry Mill, Sorghum Consumed – United States: December 2020 with Comparisons

Purpose	December 2019	November 2020	December 2020
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	5,341	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

Dry and Wet Mill, Co-products and Products Produced – United States: December 2020 with Comparisons

Co-products and products	December 2019	November 2020	December 2020
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	101,158	73,803	76,199
Corn oil (Corn Distillers Oil - CDO)	165,210	165,852	159,032
Distillers dried grains (DDG)	388,156	372,899	364,532
Distillers dried grains with solubles (DDGS)	1,908,251	1,794,035	1,784,208
Distillers wet grains (DWG) 65% or more moisture	1,403,875	1,077,107	1,040,667
Modified distillers wet grains (DWG) 40% to 64% moisture	493,170	421,779	434,562
Wet mill			
Corn germ meal	68,957	53,825	47,715
Corn gluten feed	306,318	295,358	309,298
Corn gluten meal	93,644	108,624	113,754
Wet corn gluten feed 40% to 60% moisture	257,381	230,611	220,505
Dry and wet mill			
Carbon dioxide captured	220,510	185,219	185,563

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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