



Grain Crushings and Co-Products Production

ISSN: 2377-3855

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

Highlights

July 2021 contained 31 days.

August 2021 contained 31 days.

Total corn consumed for alcohol and other uses was 471 million bushels in August 2021. Total corn consumption was down 6 percent from July 2021 but up 2 percent from August 2020. August 2021 usage included 90.7 percent for alcohol and 9.3 percent for other purposes. Corn consumed for beverage alcohol totaled 2.37 million bushels, down 35 percent from July 2021 and down 26 percent from August 2020. Corn for fuel alcohol, at 417 million bushels, was down 7 percent from July 2021 but up 2 percent from August 2020. Corn consumed in August 2021 for dry milling fuel production and wet milling fuel production was 92.5 percent and 7.5 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.83 million tons during August 2021, down 7 percent from July 2021 but up 1 percent from August 2020. Distillers wet grains (DWG) 65 percent or more moisture was 1.18 million tons in August 2021, up 5 percent from July 2021 and up 24 percent from August 2020.

Wet mill corn gluten feed production was 274,358 tons during August 2021, down 10 percent from July 2021 but up 5 percent from August 2020. Wet corn gluten feed 40 to 60 percent moisture was 205,634 tons in August 2021, down 2 percent from July 2021 and down 18 percent from August 2020.

Dry and Wet Mill, Corn Consumed – United States: August 2021 with Comparisons

Purpose	August 2020	July 2021	August 2021
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	3,201	3,642	2,372
Fuel alcohol	411,109	448,143	417,317
Dry mill	372,657	408,848	386,139
Wet mill	38,452	39,295	31,178
Industrial alcohol	8,904	6,065	7,291
Consumed for other purposes			
Total wet mill products other than fuel	38,750	43,370	43,719

Dry Mill, Sorghum Consumed – United States: August 2021 with Comparisons

Purpose	August 2020	July 2021	August 2021
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Consumed for alcohol production			
Fuel alcohol	(D)	323	(D)

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

Dry and Wet Mill, Co-products and Products Produced – United States: August 2021 with Comparisons

Co-products and products	August 2020	July 2021	August 2021
	(tons)	(tons)	(tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	85,241	88,506	76,554
Corn oil (Corn Distillers Oil - CDO)	146,652	176,712	168,224
Distillers dried grains (DDG)	342,654	341,136	295,254
Distillers dried grains with solubles (DDGS)	1,806,571	1,970,139	1,827,378
Distillers wet grains (DWG) 65% or more moisture	955,718	1,122,403	1,180,526
Modified distillers wet grains (DWG) 40% to 64% moisture	373,733	399,669	395,054
Wet mill			
Corn germ meal	53,576	63,732	54,576
Corn gluten feed	260,453	304,527	274,358
Corn gluten meal	86,406	103,107	106,050
Wet corn gluten feed 40% to 60% moisture	252,006	209,836	205,634
Dry and wet mill			
Carbon dioxide captured	194,504	233,402	229,244

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

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
Irwin Anolik – Crop Weather	(202) 720-7621
Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.