



Grain Crushings and Co-Products Production

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Highlights

August 2024 contained 31 days.

September 2024 contained 30 days.

Total corn consumed for alcohol and other uses was 490 million bushels in September 2024. Total corn consumption was down 8 percent from August 2024 but up 3 percent from September 2023. September 2024 usage included 91.9 percent for alcohol and 8.1 percent for other purposes. Corn consumed for beverage alcohol totaled 3.51 million bushels, down 10 percent from August 2024 and down 35 percent from September 2023. Corn for fuel alcohol, at 440 million bushels, was down 8 percent from August 2024 but up 3 percent from September 2023. Corn consumed in September 2024 for dry milling fuel production and wet milling fuel production was 91.5 percent and 8.5 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.80 million tons during September 2024, down 10 percent from August 2024 but up 4 percent from September 2023. Distillers wet grains (DWG) 65 percent or more moisture was 1.15 million tons in September 2024, down 6 percent from August 2024 and down 12 percent from September 2023.

Wet mill corn gluten feed production was 273,303 tons during September 2024, down 6 percent from August 2024 but up 11 percent from September 2023. Wet corn gluten feed 40 to 60 percent moisture was 174,070 tons in September 2024, down 9 percent from August 2024 and down 11 percent from September 2023.

Dry and Wet Mill, Corn Consumed – United States: September 2024 with Comparisons

Purpose	September 2023 (1,000 bushels)	August 2024 (1,000 bushels)	September 2024 (1,000 bushels)
Consumed for alcohol production			
Beverage alcohol	5,381	3,913	3,513
Fuel alcohol	428,419	479,548	440,161
Dry mill	394,150	440,878	402,830
Wet mill	34,269	38,670	37,331
Industrial alcohol	4,255	6,347	7,121
Consumed for other purposes			
Total wet mill products other than fuel	38,353	42,346	39,612

Dry and Wet Mill, Co-products and Products Produced – United States: September 2024 with Comparisons

Co-products and products	September 2023 (tons)	August 2024 (tons)	September 2024 (tons)
Dry mill			
Condensed distillers solubles (CDS - syrup)	104,989	97,561	95,091
Corn oil (Corn Distillers Oil - CDO)	174,346	196,556	184,442
Distillers dried grains (DDG)	370,584	390,794	365,238
Distillers dried grains with solubles (DDGS)	1,723,588	1,997,750	1,795,303
Distillers wet grains (DWG) 65% or more moisture	1,308,617	1,227,027	1,153,116
Modified distillers wet grains (DWG) 40% to 64% moisture	390,670	377,207	372,632
Wet mill			
Corn germ meal	54,432	61,668	63,789
Corn gluten feed	246,782	291,428	273,303
Corn gluten meal	107,988	116,255	111,744
Wet corn gluten feed 40% to 60% moisture	196,264	191,305	174,070
Dry and wet mill			
Carbon dioxide captured	203,013	271,130	245,884

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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