



# Grain Crushings and Co-Products Production

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## Update Alert – December 16, 2024

A correction was made to the September 2024 dry mill corn consumed for fuel alcohol for the United States on page 2. The correction was also made to the Quick Stats online database.

## Highlights

**September 2024** contained 30 days.

**October 2024** contained 31 days.

**Total corn consumed** for alcohol and other uses was 510 million bushels in October 2024. Total corn consumption was up 3 percent from September 2024 but down less than 1 percent from October 2023. October 2024 usage included 92.3 percent for alcohol and 7.7 percent for other purposes. Corn consumed for beverage alcohol totaled 3.49 million bushels, down 1 percent from September 2024 and down 46 percent from October 2023. Corn for fuel alcohol, at 460 million bushels, was up 3 percent from September 2024 but down less than 1 percent from October 2023. Corn consumed in October 2024 for dry milling fuel production and wet milling fuel production was 92.4 percent and 7.6 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.87 million tons during October 2024, up 4 percent from September 2024 and up 1 percent from October 2023. Distillers wet grains (DWG) 65 percent or more moisture was 1.31 million tons in October 2024, up 14 percent from September 2024 but down 5 percent from October 2023.

**Wet mill corn gluten feed production** was 251,577 tons during October 2024, down 8 percent from September 2024 and down 5 percent from October 2023. Wet corn gluten feed 40 to 60 percent moisture was 205,988 tons in October 2024, up 18 percent from September 2024 but down 3 percent from October 2023.

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

Purpose	October 2023 (1,000 bushels)	September 2024 (1,000 bushels)	October 2024 (1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	6,421	3,513	3,494
Fuel alcohol .....	462,347	447,259	460,493
Dry mill .....	425,311	409,928	425,419
Wet mill .....	37,036	37,331	35,074
Industrial alcohol .....	4,750	7,121	6,765
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	38,329	39,612	39,291

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

Co-products and products	October 2023 (tons)	September 2024 (tons)	October 2024 (tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	114,333	95,091	112,013
Corn oil (Corn Distillers Oil - CDO) .....	189,026	184,442	198,165
Distillers dried grains (DDG) .....	402,622	365,238	390,721
Distillers dried grains with solubles (DDGS) .....	1,850,921	1,795,303	1,869,619
Distillers wet grains (DWG) 65% or more moisture .....	1,375,237	1,153,116	1,312,975
Modified distillers wet grains (DWG) 40% to 64% moisture .....	425,030	372,632	429,103
<b>Wet mill</b>			
Corn germ meal .....	53,397	63,789	65,840
Corn gluten feed .....	265,908	273,303	251,577
Corn gluten meal .....	116,953	111,744	104,520
Wet corn gluten feed 40% to 60% moisture .....	212,424	174,070	205,988
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	223,201	245,884	263,744

## 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](mailto:nass@usda.gov).

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- 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](mailto: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](mailto:nass@usda.gov).

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