



Grain Crushings and Co-Products Production

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Highlights

November 2023 contained 30 days.

December 2023 contained 31 days.

Total corn consumed for alcohol and other uses was 529 million bushels in December 2023. Total corn consumption was up 4 percent from November 2023 and up 11 percent from December 2022. December 2023 usage included 93.0 percent for alcohol and 7.0 percent for other purposes. Corn consumed for beverage alcohol totaled 3.80 million bushels, down 29 percent from November 2023 and down 15 percent from December 2022. Corn for fuel alcohol, at 482 million bushels, was up 5 percent from November 2023 and up 13 percent from December 2022. Corn consumed in December 2023 for dry milling fuel production and wet milling fuel production was 91.9 percent and 8.1 percent, respectively.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 1.95 million tons during December 2023, up 9 percent from November 2023 and up 16 percent from December 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.41 million tons in December 2023, up 3 percent from November 2023 and up 3 percent from December 2022.

Wet mill corn gluten feed production was 245,983 tons during December 2023, up 1 percent from November 2023 but down 3 percent from December 2022. Wet corn gluten feed 40 to 60 percent moisture was 209,818 tons in December 2023, up 4 percent from November 2023 and up 11 percent from December 2022.

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

| Purpose | December 2022 | November 2023 | December 2023 |
|---|-----------------|-----------------|-----------------|
| | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Consumed for alcohol production | | | |
| Beverage alcohol | 4,448 | 5,351 | 3,795 |
| Fuel alcohol | 425,788 | 457,285 | 481,699 |
| Dry mill | 391,819 | 421,502 | 442,599 |
| Wet mill | 33,969 | 35,783 | 39,100 |
| Industrial alcohol | 5,988 | 6,116 | 6,464 |
| Consumed for other purposes | | | |
| Total wet mill products other than fuel | 38,299 | 38,331 | 37,002 |

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

| Co-products and products | December 2022 | November 2023 | December 2023 |
|--|---------------|---------------|---------------|
| | (tons) | (tons) | (tons) |
| Dry mill | | | |
| Condensed distillers solubles (CDS - syrup) | 96,964 | 122,984 | 95,804 |
| Corn oil (Corn Distillers Oil - CDO) | 174,416 | 188,008 | 184,244 |
| Distillers dried grains (DDG) | 317,504 | 399,555 | 388,932 |
| Distillers dried grains with solubles (DDGS) | 1,679,600 | 1,796,675 | 1,950,562 |
| Distillers wet grains (DWG) 65% or more moisture | 1,363,421 | 1,367,046 | 1,406,136 |
| Modified distillers wet grains (DWG) 40% to 64% moisture | 576,406 | 453,944 | 482,524 |
| Wet mill | | | |
| Corn germ meal | 48,546 | 61,690 | 56,349 |
| Corn gluten feed | 252,788 | 242,462 | 245,983 |
| Corn gluten meal | 99,585 | 110,684 | 113,012 |
| Wet corn gluten feed 40% to 60% moisture | 188,584 | 202,534 | 209,818 |
| Dry and wet mill | | | |
| Carbon dioxide captured | 213,799 | 198,060 | 205,725 |

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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- 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.

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