



# Grain Crashings and Co-Products Production

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## Special Note

Estimates for Sorghum consumed for fuel alcohol have been discontinued by NASS and are no longer included in this report. Sorghum consumed for fuel alcohol can be found in the *Monthly Biofuels Capacity and Feedstocks* report issued by the U.S. Energy Information Administration (EIA).

## Highlights

**June 2023** contained 30 days.

**July 2023** contained 31 days.

**Total corn consumed** for alcohol and other uses was 504 million bushels in July 2023. Total corn consumption was up 2 percent from June 2023 and up 1 percent from July 2022. July 2023 usage included 92.0 percent for alcohol and 8.0 percent for other purposes. Corn consumed for beverage alcohol totaled 4.88 million bushels, down 10 percent from June 2023 but up 43 percent from July 2022. Corn for fuel alcohol, at 454 million bushels, was up 3 percent from June 2023 and up 2 percent from July 2022. Corn consumed in July 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 1.78 million tons during July 2023, down less than 1 percent from June 2023 and down 8 percent from July 2022. Distillers wet grains (DWG) 65 percent or more moisture was 1.31 million tons in July 2023, up 1 percent from June 2023 and up 3 percent from July 2022.

**Wet mill corn gluten feed production** was 277,997 tons during July 2023, up 3 percent from June 2023 and up 2 percent from July 2022. Wet corn gluten feed 40 to 60 percent moisture was 224,484 tons in July 2023, up 25 percent from June 2023 and up 1 percent from July 2022.

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

Purpose	July 2022	June 2023	July 2023
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,399	5,406	4,877
Fuel alcohol .....	445,741	442,072	454,039
Dry mill .....	413,629	408,283	417,165
Wet mill .....	32,112	33,789	36,874
Industrial alcohol .....	7,188	6,263	4,753
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	43,481	39,391	40,202

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

Co-products and products	July 2022	June 2023	July 2023
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	94,830	117,041	110,547
Corn oil (Corn Distillers Oil - CDO) .....	187,853	184,370	187,808
Distillers dried grains (DDG) .....	334,122	390,664	404,109
Distillers dried grains with solubles (DDGS) .....	1,934,355	1,787,735	1,784,282
Distillers wet grains (DWG) 65% or more moisture .....	1,279,210	1,302,283	1,313,017
Modified distillers wet grains (DWG) 40% to 64% moisture .....	495,386	414,953	430,169
<b>Wet mill</b>			
Corn germ meal .....	57,800	45,709	48,269
Corn gluten feed .....	271,334	270,060	277,997
Corn gluten meal .....	105,796	110,430	119,450
Wet corn gluten feed 40% to 60% moisture .....	221,764	179,905	224,484
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	240,189	225,597	207,926

## 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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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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