



# Grain Crushings and Co-Products Production

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## Highlights

**August 2020** contained 31 days.

**September 2020** contained 30 days.

**Total corn consumed** for alcohol and other uses was 450 million bushels in September 2020. Total corn consumption was down 3 percent from August 2020 and down 1 percent from September 2019. September 2020 usage included 91.4 percent for alcohol and 8.6 percent for other purposes. Corn consumed for beverage alcohol totaled 3.86 million bushels, up 21 percent from August 2020 and up 17 percent from September 2019. Corn for fuel alcohol, at 401 million bushels, was down 2 percent from August 2020 and down 1 percent from September 2019. Corn consumed in September 2020 for dry milling fuel production and wet milling fuel production was 90.0 percent and 10.0 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.73 million tons during September 2020, down 4 percent from August 2020 and down 3 percent from September 2019. Distillers wet grains (DWG) 65 percent or more moisture was 961,695 tons in September 2020, up 4 percent from August 2020 but down 21 percent from September 2019.

**Wet mill corn gluten feed production** was 284,409 tons during September 2020, up 9 percent from August 2020 but down 2 percent from September 2019. Wet corn gluten feed 40 to 60 percent moisture was 251,199 tons in September 2020, down less than 1 percent from August 2020 but up 20 percent from September 2019.

### Dry and Wet Mill, Corn Consumed – United States: September 2020 with Comparisons

Purpose	September 2019	August 2020	September 2020
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,300	3,201	3,862
Fuel alcohol .....	405,685	411,109	400,869
Dry mill .....	365,513	371,300	360,822
Wet mill .....	40,172	39,809	40,047
Industrial alcohol .....	5,327	8,904	6,405
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	39,683	38,750	38,753

### Dry Mill, Sorghum Consumed – United States: September 2020 with Comparisons

Purpose	September 2019	August 2020	September 2020
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	5,127	(D)	(D)

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

### Dry and Wet Mill, Co-products and Products Produced – United States: September 2020 with Comparisons

Co-products and products	September 2019	August 2020	September 2020
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	102,911	81,214	77,294
Corn oil (Corn Distillers Oil - CDO) .....	142,861	146,009	140,468
Distillers dried grains (DDG) .....	286,849	342,654	341,156
Distillers dried grains with solubles (DDGS) .....	1,788,730	1,805,450	1,733,521
Distillers wet grains (DWG) 65% or more moisture .....	1,217,873	926,812	961,695
Modified distillers wet grains (DWG) 40% to 64% moisture .....	398,844	373,476	402,384
<b>Wet mill</b>			
Corn germ meal .....	64,059	53,576	50,401
Corn gluten feed .....	289,797	260,453	284,409
Corn gluten meal .....	86,423	86,406	85,348
Wet corn gluten feed 40% to 60% moisture .....	208,645	252,006	251,199
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	253,981	194,460	185,854

## 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 agencies 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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