



# Grain Crashings and Co-Products Production

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## Highlights

**August 2021** contained 31 days.

**September 2021** contained 30 days.

**Total corn consumed** for alcohol and other uses was 457 million bushels in September 2021. Total corn consumption was down 2 percent from August 2021 but up 1 percent from September 2020. September 2021 usage included 91.4 percent for alcohol and 8.6 percent for other purposes. Corn consumed for beverage alcohol totaled 3.41 million bushels, up 44 percent from August 2021 but down 12 percent from September 2020. Corn for fuel alcohol, at 408 million bushels, was down 2 percent from August 2021 but up 1 percent from September 2020. Corn consumed in September 2021 for dry milling fuel production and wet milling fuel production was 91.2 percent and 8.8 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.76 million tons during September 2021, down 4 percent from August 2021 but up 1 percent from September 2020. Distillers wet grains (DWG) 65 percent or more moisture was 1.19 million tons in September 2021, up 1 percent from August 2021 and up 20 percent from September 2020.

**Wet mill corn gluten feed production** was 280,232 tons during September 2021, up 2 percent from August 2021 but down 1 percent from September 2020. Wet corn gluten feed 40 to 60 percent moisture was 208,335 tons in September 2021, up 1 percent from August 2021 but down 7 percent from September 2020.

## Dry and Wet Mill, Corn Consumed – United States: September 2021 with Comparisons

Purpose	September 2020	August 2021	September 2021
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,862	2,372	3,413
Fuel alcohol .....	402,407	414,206	407,513
Dry mill .....	363,353	383,028	371,589
Wet mill .....	39,054	31,178	35,924
Industrial alcohol .....	6,405	7,291	7,014
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	38,753	43,719	39,171

## Dry Mill, Sorghum Consumed – United States: September 2021 with Comparisons

Purpose	September 2020	August 2021	September 2021
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	(D)	(D)	(D)

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

## Dry and Wet Mill, Co-products and Products Produced – United States: September 2021 with Comparisons

Co-products and products	September 2020	August 2021	September 2021
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	83,741	76,361	85,920
Corn oil (Corn Distillers Oil - CDO) .....	141,614	168,224	155,918
Distillers dried grains (DDG) .....	341,156	295,254	293,344
Distillers dried grains with solubles (DDGS) .....	1,746,328	1,827,378	1,761,034
Distillers wet grains (DWG) 65% or more moisture .....	986,698	1,170,789	1,187,941
Modified distillers wet grains (DWG) 40% to 64% moisture .....	386,470	395,054	423,404
<b>Wet mill</b>			
Corn germ meal .....	50,401	54,576	57,868
Corn gluten feed .....	284,409	274,358	280,232
Corn gluten meal .....	85,348	106,050	106,657
Wet corn gluten feed 40% to 60% moisture .....	224,860	205,634	208,335
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	185,898	229,244	234,343

## 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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