



# Grain Crushings and Co-Products Production

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## Highlights

**April 2019** contained 30 days.

**May 2019** contained 31 days.

**Total corn consumed** for alcohol and other uses was 516 million bushels in May 2019. Total corn consumption was up 5 percent from April 2019 but down 2 percent from May 2018. May 2019 usage included 90.9 percent for alcohol and 9.1 percent for other purposes. Corn consumed for beverage alcohol totaled 3.33 million bushels, down 10 percent from April 2019 but up 14 percent from May 2018. Corn for fuel alcohol, at 460 million bushels, was up 4 percent from April 2019 but down 2 percent from May 2018. Corn consumed in May 2019 for dry milling fuel production and wet milling fuel production was 91.0 percent and 9.0 percent, respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.94 million tons during May 2019, up 5 percent from April 2019 but down 1 percent from May 2018. Distillers wet grains (DWG) 65 percent or more moisture was 1.34 million tons in May 2019, down 1 percent from April 2019 and down 4 percent from May 2018.

**Wet mill corn gluten feed production** was 298,347 tons during May 2019, up 1 percent from April 2019 and up 2 percent from May 2018. Wet corn gluten feed 40 to 60 percent moisture was 269,967 tons in May 2019, up 6 percent from April 2019 but down 4 percent from May 2018.

## Dry and Wet Mill, Corn Consumed – United States: May 2019 with Comparisons

Purpose	May 2018	April 2019	May 2019
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	2,924	3,692	3,327
Fuel alcohol .....	470,404	440,477	459,643
Dry mill .....	430,324	399,729	418,438
Wet mill .....	40,080	40,748	41,205
Industrial alcohol .....	6,198	6,260	5,924
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	44,836	42,730	46,668

## Dry Mill, Sorghum Consumed – United States: May 2019 with Comparisons

Purpose	May 2018	April 2019	May 2019
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	3,694	4,418	5,176

## Dry and Wet Mill, Co-products and Products Produced – United States: May 2019 with Comparisons

Co-products and products	May 2018	April 2019	May 2019
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	137,929	127,703	115,580
Corn oil (Corn Distillers Oil - CDO) .....	159,718	150,114	157,621
Distillers dried grains (DDG) .....	392,070	376,775	401,171
Distillers dried grains with solubles (DDGS) .....	1,968,728	1,858,305	1,944,020
Distillers wet grains (DWG) 65% or more moisture .....	1,397,439	1,351,347	1,343,719
Modified distillers wet grains (DWG) 40% to 64% moisture .....	467,398	364,589	456,717
<b>Wet mill</b>			
Corn germ meal .....	62,146	69,703	68,852
Corn gluten feed .....	291,542	296,681	298,347
Corn gluten meal .....	92,487	91,364	93,185
Wet corn gluten feed 40% to 60% moisture .....	280,979	253,959	269,967
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	214,508	223,667	236,441

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