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Grain Crushings and Co- Products Production 2015 Summary

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2015 Grain Crushings and Co-Products Production

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2015 Annual Summary of the Grain Crushings and Co-Products Production contains data and annual totals for January through December 2015.

Total corn consumed for alcohol and other uses for 2015 was 5.84 billion bushels. Corn for beverage alcohol in 2015 totaled 33.9 million bushels. Corn for fuel alcohol was 5.22 billion bushels in 2015. May 2015 was peak month for total corn consumed.

Dry mill co-product production of distillers dried grains with solubles (DDGS) was 22.3 million tons during 2015. Distillers wet grains (DWG) 65 percent or more moisture was 16 million tons in 2015. Distillers dried grain (DDG) was 5.12 million tons in 2015.

Wet mill corn gluten feed production was 3.90 million tons during 2015. Wet corn gluten feed 40 to 60 percent moisture was 3.63 million tons.

Dry and wet mill carbon dioxide captured was 2.50 million tons in 2015.

Dry and Wet Mill, Corn Consumed – United States: 2015

Purpose	January 2015	February 2015	March 2015	April 2015	May 2015	June 2015	July 2015
	(1,000 bushels)						
Consumed for alcohol production							
Beverage alcohol	2,087	2,698	2,455	3,298	3,234	2,492	2,645
Fuel alcohol	443,890	394,083	437,828	407,719	448,984	441,272	448,400
Dry mill	396,007	353,763	391,736	365,028	401,263	395,704	401,423
Wet mill	47,883	40,320	46,092	42,691	47,721	45,568	46,977
Industrial alcohol	6,326	6,522	6,671	6,555	5,701	6,857	6,207
Consumed for other purposes							
Total wet mill products other than fuel	43,389	37,584	44,348	44,908	47,625	42,851	44,139

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Dry Mill, Sorghum Consumed – United States: 2015

Purpose	January 2015	February 2015	March 2015	April 2015	May 2015	June 2015	July 2015
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Fuel alcohol	(D)	-	(D)	(D)	(D)	-	(D)

See footnote(s) at end of table.

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Dry and Wet Mill, Co-products and Products Produced – United States: 2015

Co-products and products	January 2015	February 2015	March 2015	April 2015	May 2015	June 2015	July 2015
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Dry mill							
Condensed distillers solubles (CDS - syrup)	162,127	128,271	163,796	140,171	148,757	146,523	150,631
Corn oil (Corn Distillers Oil - CDO)	103,780	95,268	106,270	101,614	117,049	119,146	124,428
Distillers dried grains (DDG)	438,936	405,025	438,728	411,664	418,448	407,259	450,829
Distillers dried grains with solubles (DDGS)	1,831,393	1,622,467	1,781,563	1,663,380	1,861,795	1,950,214	1,975,199
Distillers wet grains (DWG) 65% or more moisture	1,480,431	1,268,244	1,399,125	1,327,808	1,368,926	1,280,651	1,274,543
Modified distillers wet grains (DWG) 40% to 64% moisture	476,760	418,698	494,835	387,155	414,956	364,385	347,652
Wet mill							
Corn germ meal	71,492	48,546	57,439	61,922	69,274	63,188	68,528
Corn gluten feed	321,768	283,990	331,547	313,889	348,355	321,209	333,828
Corn gluten meal	90,617	80,855	93,078	89,356	97,139	92,237	97,130
Corn oil	41,961	41,020	42,684	42,998	53,208	51,281	53,364
Wet corn gluten feed 40% to 60% moisture	313,400	274,763	308,444	314,047	323,436	304,024	316,790
Dry and wet mill							
Carbon dioxide captured	193,460	173,878	198,922	209,505	203,119	214,995	222,712

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Dry and Wet Mill, Corn Consumed – United States: 2015 (continued)

Purpose	August 2015	September 2015	October 2015	November 2015	December 2015	Total 2015
	(1,000 bushels)					
Consumed for alcohol production						
Beverage alcohol	3,129	3,478	2,599	2,970	2,807	33,892
Fuel alcohol	445,718	425,916	440,383	433,903	451,306	5,219,402
Dry mill	398,222	382,208	395,298	387,777	401,242	4,669,671
Wet mill	47,496	43,708	45,085	46,126	50,064	549,731
Industrial alcohol	6,336	5,673	6,687	5,576	6,479	75,590
Consumed for other purposes						
Total wet mill products other than fuel	42,510	41,906	42,386	40,935	41,724	514,305

- Represents zero.

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

Dry Mill, Sorghum Consumed – United States: 2015 (continued)

Purpose	August 2015	September 2015	October 2015	November 2015	December 2015	Total 2015
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Fuel alcohol	(D)	(D)	4,687	5,615	7,616	20,068

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

Dry and Wet Mill, Co-products and Products Produced – United States: 2015 (continued)

Co-products and products	August 2015	September 2015	October 2015	November 2015	December 2015	Total 2015
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Dry mill						
Condensed distillers solubles (CDS - syrup)	155,539	154,104	143,025	124,855	134,196	1,751,995
Corn oil (Corn Distillers Oil - CDO)	120,756	116,155	126,813	129,786	130,652	1,391,717
Distillers dried grains (DDG)	452,969	420,458	438,027	413,019	423,632	5,118,994
Distillers dried grains with solubles (DDGS)	1,928,716	1,875,100	1,921,440	1,903,313	1,941,708	22,256,288
Distillers wet grains (DWG)						
65% or more moisture	1,284,329	1,289,753	1,355,693	1,261,784	1,398,280	15,989,567
Modified distillers wet grains (DWG)						
40% to 64% moisture	339,316	366,770	383,457	422,361	442,448	4,858,793
Wet mill						
Corn germ meal	66,563	56,106	62,784	67,645	69,669	763,156
Corn gluten feed	343,476	312,543	326,055	322,741	340,460	3,899,861
Corn gluten meal	96,072	86,522	83,213	84,505	88,921	1,079,645
Corn oil	52,514	42,605	48,676	53,597	57,578	581,486
Wet corn gluten feed						
40% to 60% moisture	290,652	286,615	296,954	289,171	307,874	3,626,170
Dry and wet mill						
Carbon dioxide captured	224,982	210,337	229,379	203,996	211,352	2,496,634

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 Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to 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@nass.usda.gov.

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