



Fats and Oils: Oilseed Crashings, Production, Consumption and Stocks

ISSN: 2379-9862

Released October 3, 2016, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

July 2016 contained 31 days.

August 2016 contained 31 days.

Soybeans crushed for crude oil was 4.22 million tons (141 million bushels) in August 2016, compared to 4.60 million tons (153 million bushels) in July 2016 and 4.34 million tons (145 million bushels) in August 2015. Crude oil produced was 1.64 billion pounds down 8 percent from July 2016 but up 1 percent from August 2015. Soybean once refined oil production at 1.43 billion pounds during August 2016 decreased 1 percent from July 2016 but increased 1 percent from August 2015.

Canola seeds crushed for crude oil was 174 thousand tons in August 2016, compared to 202 thousand tons in July 2016 and 148 thousand tons in August 2015. Canola crude oil produced was 146 million pounds down 10 percent from July 2016 but up 22 percent from August 2015. Canola once refined oil production at 114 million pounds during August 2016 was down 17 percent from July 2016 and down 11 percent from August 2015. Cottonseed once refined oil production at 38.4 million pounds during August 2016 was up 47 percent from July 2016 but down 12 percent from August 2015.

Edible tallow production was 79.7 million pounds during August 2016, up 18 percent from July 2016 and up 39 percent from August 2015. Inedible tallow production was 304 million pounds during August 2016, up 14 percent from July 2016 and up 14 percent from August 2015. Technical tallow production was 118 million pounds during August 2016, up 37 percent from July 2016 and up 17 percent from August 2015. Choice white grease production at 115 million pounds during August 2016 increased 20 percent from July 2016 and increased 7 percent from August 2015.

Soybean Crushing, Production, Consumption and Stocks – United States: August 2016 with Comparisons

Item	August 2015	July 2016	August 2016
Crush			
Soybeans crushed	4,337,340	4,603,543	4,218,789
Crude oil produced.....	1,626,655	1,789,356	1,642,478
Cake and meal produced	3,193,281	3,403,386	3,111,301
For animal feed	3,133,606	3,344,078	3,049,231
For edible protein products.....	59,675	59,308	62,070
Millfeed produced.....	223,371	240,805	217,058
Refine			
Crude oil processed in refining.....	1,437,891	1,469,747	1,455,355
Once refined oil produced	1,406,585	1,435,608	1,426,954
Consumption			
Crude oil removed for inedible use in processing	116,726	125,305	113,176
Once refined oil removed for use in processing.....	1,394,520	1,418,803	1,535,765
Removed for edible use in processing.....	1,117,803	1,061,181	1,175,567
Removed for inedible use in processing	276,717	357,622	360,198
Stocks			
Cake and meal on hand end of month.....	306,757	419,802	247,799
Millfeed on hand end of month	32,480	39,832	26,866
Crude oil on hand end of month	1,661,276	1,865,797	1,666,531
Crusher	823,426	823,753	705,836
Refiner	331,736	379,435	279,621
Offsite	506,114	662,609	681,074
Once refined oil on hand end of month.....	338,446	348,481	319,212

Soybean Crushing – Regional: August 2016 with Comparisons

Region	Soybeans crushed		
	August 2015	July 2016	August 2016
	(tons)	(tons)	(tons)
Illinois	592,782	452,361	472,761
Iowa	924,771	1,049,756	1,093,723
North and East ¹	967,985	1,050,197	897,159
North Central ²	644,551	701,390	653,307
South, West and Pacific ³	535,207	610,360	483,971
West Central ⁴	672,044	739,479	617,868
Region	Crude oil produced		
	August 2015	July 2016	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	229,564	180,481	188,449
Iowa	343,825	408,176	420,591
North and East ¹	356,274	406,715	348,789
North Central ²	240,608	272,386	255,972
South, West and Pacific ³	200,663	235,240	188,670
West Central ⁴	255,721	286,358	240,007
Region	Crude oil stocks at crusher		
	August 2015	July 2016	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	186,815	131,003	128,644
Iowa	148,111	165,368	151,834
North and East ¹	161,482	243,729	184,115
North Central ²	193,973	201,665	156,947
South, West and Pacific ³	43,847	38,129	36,478
West Central ⁴	89,198	43,859	47,818
Region	Cake and meal produced		
	August 2015	July 2016	August 2016
	(tons)	(tons)	(tons)
Illinois	437,569	325,903	342,981
Iowa	679,922	784,157	812,026
North and East ¹	716,415	771,938	658,529
North Central ²	477,627	519,443	482,264
South, West and Pacific ³	390,476	455,490	355,686
West Central ⁴	491,272	546,455	459,815
Region	Cake and meal stocks		
	August 2015	July 2016	August 2016
	(tons)	(tons)	(tons)
Illinois	57,547	51,325	34,570
Iowa	46,941	78,619	53,075
North and East ¹	78,902	106,520	38,239
North Central ²	31,862	46,051	26,997
South, West and Pacific ³	42,426	71,236	46,089
West Central ⁴	49,079	66,051	48,829

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: August 2016
with Comparisons**

Item	August 2015	July 2016	August 2016
Canola			
Crush			
Seeds crushed..... tons	147,512	201,506	174,164
Crude oil produced..... 1,000 pounds	120,026	162,239	146,060
Cake and meal produced..... tons	82,076	110,072	101,353
Refine			
Crude oil processed in refining..... 1,000 pounds	132,503	142,799	118,238
Once refined oil produced..... 1,000 pounds	128,794	137,673	114,497
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	132,656	153,088	144,025
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	(D)	(D)	(D)
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	252,305
Once refined oil on hand end of month..... 1,000 pounds	83,700	54,754	48,571
Cottonseed			
Crush			
Seeds crushed..... tons	97,738	(D)	109,126
Crude oil produced..... 1,000 pounds	29,271	(D)	32,792
Cake and meal produced..... tons	44,806	(D)	47,094
Refine			
Crude oil processed in refining..... 1,000 pounds	45,192	26,590	38,906
Once refined oil produced..... 1,000 pounds	43,886	26,180	38,445
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	-	(D)
Once refined oil removed for use in processing..... 1,000 pounds	43,476	37,499	34,482
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	46,450	34,109	22,364
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	36,458	43,549	43,057
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	56,689	30,056	49,399
Once refined oil produced..... 1,000 pounds	55,403	29,798	49,050
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	77,537	59,506	76,175
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month..... 1,000 pounds	89,674	115,881	104,214
Once refined oil on hand end of month..... 1,000 pounds	25,624	24,508	32,382
Corn			
Refine			
Crude oil processed in refining..... 1,000 pounds	(S)	(S)	(S)
Once refined oil produced..... 1,000 pounds	(S)	(S)	(S)
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)
Once refined oil removed for use in processing..... 1,000 pounds	(S)	(S)	(S)
Removed for edible use in processing..... 1,000 pounds	(S)	(S)	(S)
Removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)
Stocks			
Crude oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)
Once refined oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)

See footnote(s) at end of table.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: August 2016 with Comparisons (continued)

Item	August 2015	July 2016	August 2016
Olives			
Crush			
Crushed for oil	-	-	-
Virgin oil produced	-	-	-
Refine			
Refined oil produced	(D)	(D)	(D)
Consumption			
Refined oil removed for use in processing	(D)	(D)	(D)
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	-	(D)	(D)
Stocks			
Virgin oil on hand end of month	(D)	(D)	(D)
Refined oil on hand end of month	(D)	(D)	(D)
Palm kernel			
Consumption			
Once refined oil removed for use in processing	34,387	43,120	31,827
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks			
Once refined oil on hand end of month	81,101	95,093	84,844
Palm			
Consumption			
Once refined oil removed for use in processing	170,257	162,872	189,395
Removed for edible use in processing	164,502	157,190	179,142
Removed for inedible use in processing	5,755	5,682	10,253
Stocks			
Once refined oil on hand end of month	346,704	441,656	437,181
Peanut			
Refine			
Crude oil processed in refining	18,675	18,280	28,824
Once refined oil produced	16,713	16,521	25,514
Consumption			
Crude oil removed for inedible use in processing	(D)	(D)	(D)
Once refined oil removed for use in processing	17,761	(D)	25,943
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month	16,452	(D)	13,793
Once refined oil on hand end of month	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining	43,479	40,466	44,032
Once refined oil produced	40,916	38,148	41,737
Consumption			
Crude oil removed for inedible use in processing	(D)	(D)	(D)
Once refined oil removed for use in processing	30,139	40,744	52,451
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month	37,676	58,166	52,124
Once refined oil on hand end of month	31,638	33,325	29,444
Vegetable foots, raw and acidulated			
Refine			
Oil produced	27,523	(D)	(D)
Consumption			
Oil removed for inedible use in processing	(D)	(D)	(D)
Stocks			
Oil on hand end of month	16,553	(D)	(D)

- Represents zero.

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

(S) Insufficient number of reports to establish an estimate.

Animal Fats and Oils Production, Consumption and Stocks – United States: August 2016 with Comparisons

Item	August 2015 (1,000 pounds)	July 2016 (1,000 pounds)	August 2016 (1,000 pounds)
Choice white grease			
Production.....	107,163	95,777	114,603
Removed for inedible use.....	103,818	96,897	115,996
Stocks on hand end of month.....	17,240	12,252	11,268
Fatty acids			
Production.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Feather meal			
Production.....	97,549	91,725	101,611
Stocks on hand end of month.....	17,288	19,076	20,373
Glycerin, crude			
Production.....	(S)	(S)	(S)
Processed in refining.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Glycerin, refined			
Production.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Lard			
Production.....	32,120	22,838	27,542
Removed for use in processing.....	43,023	27,791	28,872
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	(D)	11,251	8,276
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	423,079	444,643	524,641
Stocks on hand end of month.....	71,562	49,154	47,650
Other grease			
Production.....	74,569	56,708	53,022
Removed for inedible use in processing.....	75,898	50,859	50,439
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	190,825	191,219	220,418
Removed for inedible use in processing.....	185,108	191,277	217,721
Stocks on hand end of month.....	18,194	21,652	24,937
Poultry by-product meals			
Production.....	252,901	237,469	269,451
Stocks on hand end of month.....	55,666	46,749	59,168
Tallow, edible			
Production.....	57,280	67,837	79,711
Removed for use in processing.....	78,202	69,760	81,365
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	23,430	15,862	16,737
Tallow, inedible			
Production.....	267,221	267,045	304,483
Removed for inedible use in processing.....	247,073	260,958	304,410
Stocks on hand end of month.....	108,501	81,101	83,538
Tallow, technical			
Production.....	100,321	85,729	117,708
Removed for inedible use in processing.....	106,374	91,622	124,528
Stocks on hand end of month.....	28,200	13,475	10,432
Yellow grease			
Production.....	160,926	158,542	171,780
Removed for inedible use in processing.....	152,346	163,555	167,401
Stocks on hand end of month.....	98,283	74,228	82,051

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

(S) Insufficient number of reports to establish an estimate.

Statistical Methodology

Survey Procedures: *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* 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). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities 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: Survey data are based on a census of all known facilities and therefore, have no sampling variability. 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.

Jody McDaniel, Chief, Environmental, Economics, and Demographics Branch	(202) 720-6146
Scott Shimmin, Head, Environmental and Demographics Section.....	(202) 720-0684
Stephanie Brennan – Field Crops Chemical Use	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
Ryan Cowen - Farms, Land in Farms, Census of Agriculture.....	(202) 690-3233
Doug Farmer – Vegetable Chemical Use	(202) 720-7492
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Megan Lipke – Census of Agriculture	(202) 720-5881
Miste Salmon – Current Agricultural Industrial Reports	(202) 690-3226
Dominique Sims – Census of Agriculture.....	(202) 690-4752
Theresa Varner – Farm Labor, Chemical Use.....	(202) 690-2284

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.