



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

ISSN: 2379-9862

Released June 1, 2017, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

March 2017 contained 31 days.

April 2017 contained 30 days.

Soybeans crushed for crude oil was 4.49 million tons (150 million bushels) in April 2017, compared to 4.80 million tons (160 million bushels) in March 2017 and 4.75 million tons (158 million bushels) in April 2016. Crude oil produced was 1.73 billion pounds down 7 percent from March 2017 and down 6 percent from April 2016. Soybean once refined oil production at 1.30 billion pounds during April 2017 decreased 7 percent from March 2017 and decreased 4 percent from April 2016.

Canola seeds crushed for crude oil was 164 thousand tons in April 2017, compared to 185 thousand tons in March 2017 and 137 thousand tons in April 2016. Canola crude oil produced was 141 million pounds down 10 percent from March 2017 but up 18 percent from April 2016. Canola once refined oil production at 127 million pounds during April 2017 was up 1 percent from March 2017 and up 9 percent from April 2016. Cottonseed once refined oil production at 48.1 million pounds during April 2017 was down 3 percent from March 2017 but up 14 percent from April 2016.

Edible tallow production was 73.0 million pounds during April 2017, down 8 percent from March 2017 and down 4 percent from April 2016. Inedible tallow production was 289 million pounds during April 2017, down 10 percent from March 2017 but up 5 percent from April 2016. Technical tallow production was 89 million pounds during April 2017, up 7 percent from March 2017 and up 5 percent from April 2016. Choice white grease production at 98 million pounds during April 2017 decreased 11 percent from March 2017 and decreased 11 percent from April 2016.

**Soybean Crushing, Production, Consumption and Stocks – United States: April 2017
with Comparisons**

Item	April 2016	March 2017	April 2017
Crush			
Soybeans crushed tons	4,745,090	4,800,052	4,492,906
Crude oil produced.....1,000 pounds	1,840,263	1,857,066	1,731,704
Cake and meal produced tons	3,502,911	3,511,933	3,201,556
For animal feed tons	3,445,720	3,456,784	3,150,125
For edible protein products..... tons	57,191	55,149	51,431
Millfeed produced..... tons	243,761	243,405	221,650
Refine			
Crude oil processed in refining1,000 pounds	1,385,229	1,433,835	1,328,242
Once refined oil produced1,000 pounds	1,352,235	1,399,889	1,300,518
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	89,374	69,857	73,685
Once refined oil removed for use in processing.....1,000 pounds	1,359,441	1,362,494	1,437,429
Removed for edible use in processing.....1,000 pounds	1,100,348	1,144,766	1,171,733
Removed for inedible use in processing1,000 pounds	259,093	217,728	265,696
Stocks			
Cake and meal on hand end of month..... tons	365,653	300,938	367,686
Millfeed on hand end of month tons	46,616	32,705	38,769
Crude oil on hand end of month1,000 pounds	2,048,554	1,929,779	1,843,950
Crusher1,000 pounds	1,033,659	904,741	894,803
Refiner1,000 pounds	450,938	376,413	346,491
Offsite1,000 pounds	563,957	648,625	602,656
Once refined oil on hand end of month.....1,000 pounds	371,464	406,982	389,873

Soybean Crushing – Regional: April 2017 with Comparisons

Region	Soybeans crushed		
	April 2016	March 2017	April 2017
	(tons)	(tons)	(tons)
Illinois	570,995	640,447	573,507
Iowa	998,221	1,001,263	952,417
North and East ¹	1,082,465	1,041,351	1,034,640
North Central ²	631,767	675,416	637,805
South, West and Pacific ³	660,708	606,736	484,594
West Central ⁴	800,934	834,839	809,943

Region	Crude oil produced		
	April 2016	March 2017	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	224,439	254,539	226,617
Iowa	386,076	384,611	361,116
North and East ¹	418,968	404,064	406,268
North Central ²	247,599	257,655	234,759
South, West and Pacific ³	254,706	236,890	188,113
West Central ⁴	308,475	319,307	314,831

Region	Crude oil stocks at crusher		
	April 2016	March 2017	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	208,033	206,014	196,621
Iowa	179,767	146,726	175,273
North and East ¹	274,473	216,093	201,587
North Central ²	259,541	242,022	236,618
South, West and Pacific ³	52,478	63,689	54,343
West Central ⁴	59,367	30,197	30,361

Region	Cake and meal produced		
	April 2016	March 2017	April 2017
	(tons)	(tons)	(tons)
Illinois	411,628	468,578	417,359
Iowa	744,246	726,821	696,163
North and East ¹	798,843	763,467	763,093
North Central ²	466,200	498,532	379,826
South, West and Pacific ³	483,795	441,181	352,964
West Central ⁴	598,199	613,354	592,151

Region	Cake and meal stocks		
	April 2016	March 2017	April 2017
	(tons)	(tons)	(tons)
Illinois	53,514	55,693	61,435
Iowa	75,985	48,056	79,494
North and East ¹	86,303	67,010	93,644
North Central ²	42,366	30,702	49,873
South, West and Pacific ³	58,201	57,028	32,401
West Central ⁴	49,284	42,449	50,839

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: April 2017
with Comparisons**

Item	April 2016	March 2017	April 2017
Canola			
Crush			
Seeds crushed..... tons	137,120	184,516	164,103
Crude oil produced..... 1,000 pounds	119,826	156,376	141,282
Cake and meal produced..... tons	79,349	101,917	92,811
Refine			
Crude oil processed in refining..... 1,000 pounds	119,360	128,357	129,821
Once refined oil produced..... 1,000 pounds	115,695	124,956	126,667
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	129,004	150,601	148,682
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	53,730	(D)	47,695
Crude oil on hand end of month..... 1,000 pounds	(D)	254,348	252,570
Once refined oil on hand end of month..... 1,000 pounds	75,588	83,950	70,452
Cottonseed			
Crush			
Seeds crushed..... tons	132,306	169,880	155,733
Crude oil produced..... 1,000 pounds	39,194	51,568	47,395
Cake and meal produced..... tons	61,060	77,648	69,240
Refine			
Crude oil processed in refining..... 1,000 pounds	42,810	50,515	49,667
Once refined oil produced..... 1,000 pounds	42,199	49,354	48,058
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	55,278	42,057	45,355
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	46,960	19,782	31,596
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	48,199	49,277	56,610
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	21,186	(D)	(D)
Once refined oil produced..... 1,000 pounds	21,019	(D)	(D)
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	54,272	80,183	60,635
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	64,636	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	25,980	33,560	50,373
Corn			
Crush			
Crude oil produced..... 1,000 pounds	(NA)	208,789	192,904
Refine			
Crude oil processed in refining..... 1,000 pounds	(S)	196,250	199,911
Once refined oil produced..... 1,000 pounds	(S)	191,281	194,098
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(S)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(S)	183,783	180,605
Removed for edible use in processing..... 1,000 pounds	(S)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(S)	(D)	(D)
Stocks			
Crude oil on hand end of month..... 1,000 pounds	-	24,196	17,791
Once refined oil on hand end of month..... 1,000 pounds	(S)	76,415	75,939

See footnote(s) at end of table.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: April 2017 with Comparisons (continued)

Item	April 2016	March 2017	April 2017
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	41,492	34,726	26,887
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Once refined oil on hand end of month1,000 pounds	111,046	65,868	72,581
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	162,731	187,286	178,736
Removed for edible use in processing1,000 pounds	155,481	176,044	167,762
Removed for inedible use in processing.....1,000 pounds	7,250	11,242	10,974
Stocks			
Once refined oil on hand end of month1,000 pounds	448,856	439,894	438,334
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	20,359	18,048	(D)
Once refined oil produced.....1,000 pounds	18,179	16,262	(D)
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	19,190	22,499	15,687
Removed for edible use in processing1,000 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	(D)	17,706	(D)
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining.....1,000 pounds	(NA)	6,150	5,430
Once refined oil produced.....1,000 pounds	(NA)	6,150	5,430
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(NA)	-	(D)
Once refined oil removed for use in processing.....1,000 pounds	(NA)	5,744	6,906
Removed for edible use in processing1,000 pounds	(NA)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(NA)	(D)	(D)
Stocks			
Crude oil on hand end of month.....1,000 pounds	(NA)	(D)	10,907
Once refined oil on hand end of month1,000 pounds	(NA)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	40,123	47,364	37,507
Once refined oil produced.....1,000 pounds	38,199	46,864	35,751
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	43,392	42,780	49,977
Removed for edible use in processing1,000 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	68,877	73,172	77,729
Once refined oil on hand end of month1,000 pounds	51,510	62,694	62,221
Vegetable foots, raw and acidulated			
Refine			
Oil produced.....1,000 pounds	(D)	(D)	(D)
Consumption			
Oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Oil on hand end of month.....1,000 pounds	(D)	(D)	(D)

- Represents zero.

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

(NA) Not available.

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

**Animal Fats and Oils Production, Consumption and Stocks – United States: April 2017
with Comparisons**

Item	April 2016 (1,000 pounds)	March 2017 (1,000 pounds)	April 2017 (1,000 pounds)
Choice white grease			
Production.....	111,103	110,196	98,452
Removed for inedible use.....	111,044	112,740	98,890
Stocks on hand end of month.....	11,969	8,635	8,197
Feather meal			
Production.....	94,072	97,129	94,979
Stocks on hand end of month.....	19,795	18,655	22,452
Lard			
Production.....	28,245	27,078	26,920
Removed for use in processing.....	28,718	28,830	27,268
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	12,416	9,264	9,740
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	469,177	456,884	495,773
Stocks on hand end of month.....	43,428	53,914	48,052
Other grease			
Production.....	55,198	76,569	66,126
Removed for inedible use in processing.....	55,881	80,397	64,525
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	198,257	197,090	188,763
Removed for inedible use in processing.....	196,734	196,704	185,035
Stocks on hand end of month.....	21,347	20,430	23,706
Poultry by-product meals			
Production.....	246,193	262,806	245,796
Stocks on hand end of month.....	50,498	49,516	49,516
Tallow, edible			
Production.....	76,064	79,287	73,038
Removed for use in processing.....	76,078	82,422	74,234
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	16,214	16,780	16,791
Tallow, inedible			
Production.....	275,434	321,330	288,933
Removed for inedible use in processing.....	281,517	328,240	300,836
Stocks on hand end of month.....	76,974	78,270	71,045
Tallow, technical			
Production.....	84,550	82,931	88,733
Removed for inedible use in processing.....	92,387	93,093	98,874
Stocks on hand end of month.....	12,408	(D)	(D)
Yellow grease			
Production.....	167,301	174,548	158,065
Removed for inedible use in processing.....	171,403	183,057	148,779
Stocks on hand end of month.....	86,614	77,811	88,837

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

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
Courtney Charles – Current Agricultural Industrial Reports.....	(202) 690-3226
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
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.