



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

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Highlights

June 2017 contained 30 days.

July 2017 contained 31 days.

Soybeans crushed for crude oil was 4.67 million tons (156 million bushels) in July 2017, compared to 4.45 million tons (148 million bushels) in June 2017 and 4.60 million tons (153 million bushels) in July 2016. Crude oil produced was 1.80 billion pounds up 4 percent from June 2017 and up 1 percent from July 2016. Soybean once refined oil production at 1.50 billion pounds during July 2017 increased 10 percent from June 2017 and increased 4 percent from July 2016.

Canola seeds crushed for crude oil was 161 thousand tons in July 2017, compared to 167 thousand tons in June 2017 and 202 thousand tons in July 2016. Canola crude oil produced was 135 million pounds down 2 percent from June 2017 and down 17 percent from July 2016. Canola once refined oil production at 115 million pounds during July 2017 was down 7 percent from June 2017 and down 16 percent from July 2016. Cottonseed once refined oil production at 37.1 million pounds during July 2017 was down 20 percent from June 2017 but up 42 percent from July 2016.

Edible tallow production was 65.6 million pounds during July 2017, down 7 percent from June 2017 and down 3 percent from July 2016. Inedible tallow production was 267 million pounds during July 2017, down 10 percent from June 2017 but up slightly from July 2016. Technical tallow production was 76.0 million pounds during July 2017, down 3 percent from June 2017 and down 11 percent from July 2016. Choice white grease production at 88.5 million pounds during July 2017 decreased 25 percent from June 2017 and decreased 8 percent from July 2016.

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

Item	July 2016	June 2017	July 2017
Crush			
Soybeans crushed	4,603,543	4,446,863	4,668,680
Crude oil produced.....	1,789,356	1,735,608	1,801,376
Cake and meal produced	3,403,386	3,268,397	3,400,652
For animal feed	3,344,078	3,216,471	3,351,973
For edible protein products.....	59,308	51,926	48,679
Millfeed produced.....	240,805	221,130	237,432
Refine			
Crude oil processed in refining.....	1,469,747	1,399,831	1,543,943
Once refined oil produced	1,435,608	1,357,612	1,496,418
Consumption			
Crude oil removed for inedible use in processing	125,305	(D)	108,145
Once refined oil removed for use in processing.....	1,418,803	1,375,832	1,352,761
Removed for edible use in processing.....	1,061,181	1,116,321	988,052
Removed for inedible use in processing.....	357,622	259,511	364,709
Stocks			
Cake and meal on hand end of month.....	419,802	314,965	385,868
Millfeed on hand end of month	39,832	35,016	37,831
Crude oil on hand end of month	1,865,797	1,815,157	1,627,909
Crusher	823,753	798,790	719,632
Refiner	379,435	426,570	369,289
Offsite	662,609	589,797	538,988
Once refined oil on hand end of month.....	348,481	327,785	372,678

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

Soybean Crushing – Regional: July 2017 with Comparisons

Region	Soybeans crushed		
	July 2016	June 2017	July 2017
	(tons)	(tons)	(tons)
Illinois	452,361	479,908	562,340
Iowa.....	1,049,756	976,095	1,050,410
North and East ¹	1,050,197	1,042,782	1,021,984
North Central ²	701,390	619,325	631,139
South, West and Pacific ³	610,360	577,870	594,805
West Central ⁴	739,479	750,883	808,002
Region	Crude oil produced		
	July 2016	June 2017	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	180,481	191,316	222,405
Iowa.....	408,176	374,006	399,199
North and East ¹	406,715	410,565	399,501
North Central ²	272,386	247,719	242,369
South, West and Pacific ³	235,240	223,833	226,519
West Central ⁴	286,358	288,169	311,383
Region	Crude oil stocks at crusher		
	July 2016	June 2017	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	131,003	215,991	169,412
Iowa.....	165,368	156,463	147,673
North and East ¹	243,729	144,714	135,408
North Central ²	201,665	212,203	196,186
South, West and Pacific ³	38,129	47,723	45,687
West Central ⁴	43,859	21,696	25,266
Region	Cake and meal produced		
	July 2016	June 2017	July 2017
	(tons)	(tons)	(tons)
Illinois	325,903	346,680	402,919
Iowa.....	784,157	723,630	764,091
North and East ¹	771,938	769,159	752,636
North Central ²	519,443	458,784	463,724
South, West and Pacific ³	455,490	423,696	427,193
West Central ⁴	546,455	546,448	590,089
Region	Cake and meal stocks		
	July 2016	June 2017	July 2017
	(tons)	(tons)	(tons)
Illinois	51,325	49,924	51,264
Iowa.....	78,619	41,196	73,213
North and East ¹	106,520	85,505	91,445
North Central ²	46,051	18,412	37,504
South, West and Pacific ³	71,236	92,363	94,250
West Central ⁴	66,051	27,565	38,192

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, Mississippi, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: July 2017
with Comparisons**

Item	July 2016	June 2017	July 2017
Canola			
Crush			
Seeds crushed..... tons	201,506	167,442	160,717
Crude oil produced..... 1,000 pounds	162,239	137,528	135,463
Cake and meal produced..... tons	110,072	97,232	91,111
Refine			
Crude oil processed in refining..... 1,000 pounds	142,799	126,836	118,480
Once refined oil produced..... 1,000 pounds	137,673	123,762	115,452
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	153,088	131,335	144,772
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)	51,336
Crude oil on hand end of month..... 1,000 pounds	(D)	228,934	224,794
Once refined oil on hand end of month..... 1,000 pounds	54,754	77,373	82,269
Cottonseed			
Crush			
Seeds crushed..... tons	(D)	144,120	125,695
Crude oil produced..... 1,000 pounds	(D)	43,706	33,941
Cake and meal produced..... tons	(D)	67,134	50,333
Refine			
Crude oil processed in refining..... 1,000 pounds	26,590	47,933	38,676
Once refined oil produced..... 1,000 pounds	26,180	46,380	37,082
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	37,499	42,694	47,655
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	34,109	46,580	38,319
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	43,549	49,430	41,942
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	30,056	(D)	(D)
Once refined oil produced..... 1,000 pounds	29,798	(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	59,506	67,748	50,931
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	115,881	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	24,508	53,545	52,545
Corn			
Crush			
Crude oil produced..... 1,000 pounds	(S)	178,284	198,703
Refine			
Crude oil processed in refining..... 1,000 pounds	(S)	179,796	186,090
Once refined oil produced..... 1,000 pounds	(S)	175,656	181,527
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)	174,744	168,131
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	(S)	25,996	36,557
Once refined oil on hand end of month..... 1,000 pounds	(S)	65,425	77,583

See footnote(s) at end of table.

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

Item	July 2016	June 2017	July 2017
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	43,120	23,064	39,402
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	95,093	94,369	86,213
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	162,872	194,887	181,275
Removed for edible use in processing1,000 pounds	157,190	182,226	174,216
Removed for inedible use in processing.....1,000 pounds	5,682	12,661	7,059
Stocks			
Once refined oil on hand end of month1,000 pounds	441,656	360,242	387,990
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	18,280	(D)	25,318
Once refined oil produced.....1,000 pounds	16,521	(D)	23,468
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	(D)	(D)	23,554
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)	34,173	(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)	(D)	(D)
Once refined oil produced.....1,000 pounds	(NA)	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(NA)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	(NA)	(D)	(D)
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)	8,060	4,821
Once refined oil on hand end of month1,000 pounds	(NA)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	40,466	50,677	40,516
Once refined oil produced.....1,000 pounds	38,148	48,179	38,671
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	841	(D)
Once refined oil removed for use in processing.....1,000 pounds	40,744	44,816	41,745
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	58,166	74,811	53,467
Once refined oil on hand end of month1,000 pounds	33,325	49,213	58,790
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: July 2017
with Comparisons**

Item	July 2016 (1,000 pounds)	June 2017 (1,000 pounds)	July 2017 (1,000 pounds)
Choice white grease			
Production.....	95,777	118,168	88,455
Removed for inedible use.....	96,897	116,019	86,087
Stocks on hand end of month.....	12,252	6,357	7,657
Feather meal			
Production.....	91,725	94,995	87,102
Stocks on hand end of month.....	19,076	19,494	18,700
Lard			
Production.....	22,838	27,305	23,958
Removed for use in processing.....	27,791	29,299	24,025
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	11,251	9,899	9,035
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	444,643	490,202	441,240
Stocks on hand end of month.....	49,154	49,102	49,696
Other grease			
Production.....	56,708	69,202	65,428
Removed for inedible use in processing.....	50,859	67,884	65,754
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	191,219	208,662	189,658
Removed for inedible use in processing.....	191,277	195,492	180,489
Stocks on hand end of month.....	21,652	25,883	24,777
Poultry by-product meals			
Production.....	237,469	269,251	246,816
Stocks on hand end of month.....	46,749	43,118	58,432
Tallow, edible			
Production.....	67,837	70,642	65,567
Removed for use in processing.....	69,760	71,403	66,797
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	15,862	21,560	21,184
Tallow, inedible			
Production.....	267,045	297,590	267,385
Removed for inedible use in processing.....	260,958	275,042	238,015
Stocks on hand end of month.....	81,101	75,152	80,885
Tallow, technical			
Production.....	85,729	78,476	76,004
Removed for inedible use in processing.....	91,622	86,880	78,547
Stocks on hand end of month.....	13,475	(D)	(D)
Yellow grease			
Production.....	158,542	183,953	160,696
Removed for inedible use in processing.....	163,555	164,839	138,228
Stocks on hand end of month.....	74,228	85,383	93,132

(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.

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Ryan Cowen - Farms, Land in Farms, Census of Agriculture.....	(202) 690-3233
Doug Farmer – Vegetable Chemical Use.....	(202) 720-7492
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