



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

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Highlights

March 2019 contained 31 days.

April 2019 contained 30 days.

Soybeans crushed for crude oil was 5.15 million tons (172 million bushels) in April 2019, compared with 5.38 million tons (179 million bushels) in March 2019 and 5.15 million tons (172 million bushels) in April 2018. Crude oil produced was 1.99 billion pounds down 5 percent from March 2019 but up 1 percent from April 2018. Soybean once refined oil production at 1.46 billion pounds during April 2019 increased 3 percent from March 2019 and increased 2 percent from April 2018.

Canola seeds crushed for crude oil was 162,467 tons in April 2019, compared with 142,921 tons in March 2019 and 152,358 tons in April 2018. Canola crude oil produced was 139 million pounds, up 13 percent from March 2019 and up 6 percent from April 2018. Canola once refined oil production, at 104 million pounds during April 2019, was down 16 percent from March 2019 and down 5 percent from April 2018.

Cottonseed once refined oil production, at 35.4 million pounds during April 2019, was down 23 percent from March 2019 and down 12 percent from April 2018.

Edible tallow production was 85.5 million pounds during April 2019, down less than 1 percent from March 2019 but up 4 percent from April 2018. Inedible tallow production was 307 million pounds during April 2019, down 9 percent from March 2019 but up less than 1 percent from April 2018. Technical tallow production was 104 million pounds during April 2019, up 8 percent from March 2019 and up 12 percent from April 2018. Choice white grease production, at 106 million pounds during April 2019, decreased 13 percent from March 2019 but increased 1 percent from April 2018.

**Soybean Crushing, Production, Consumption and Stocks – United States: April 2019
with Comparisons**

Item	April 2018	March 2019	April 2019
Crush			
Soybeans crushed tons	5,149,147	5,383,008	5,146,689
Crude oil produced.....1,000 pounds	1,964,922	2,094,418	1,989,239
Cake and meal produced tons	3,822,338	3,926,558	3,763,753
For animal feed tons	3,781,356	3,879,565	3,722,760
For edible protein products..... tons	40,982	46,993	40,993
Millfeed produced..... tons	257,585	274,260	259,080
Refine			
Crude oil processed in refining.....1,000 pounds	1,477,749	1,443,099	1,497,172
Once refined oil produced.....1,000 pounds	1,437,977	1,413,729	1,460,820
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	85,570	99,527	89,993
Once refined oil removed for use in processing.....1,000 pounds	1,430,438	1,466,744	1,529,035
Removed for edible use in processing.....1,000 pounds	1,115,186	1,060,620	1,115,463
Removed for inedible use in processing.....1,000 pounds	315,252	406,124	413,572
Stocks			
Cake and meal on hand end of month..... tons	404,468	465,159	337,375
Millfeed on hand end of month tons	47,658	44,934	47,847
Crude oil on hand end of month1,000 pounds	2,316,192	1,893,918	1,893,098
Crusher.....1,000 pounds	924,045	942,477	916,132
Refiner.....1,000 pounds	452,654	(D)	(D)
Offsite.....1,000 pounds	939,493	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	372,584	339,011	364,526

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

Soybean Crushing – Regional: April 2019 with Comparisons

Region	Soybeans crushed		
	April 2018	March 2019	April 2019
	(tons)	(tons)	(tons)
Illinois	615,746	687,766	597,030
Iowa	1,071,709	1,124,006	1,147,687
North and East ¹	1,224,411	1,294,358	1,201,783
North Central ²	659,328	725,092	694,306
South, West and Pacific ³	684,371	665,443	672,911
West Central ⁴	893,582	886,343	832,972
Region	Crude oil produced		
	April 2018	March 2019	April 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	236,412	278,846	242,119
Iowa	411,345	441,235	446,264
North and East ¹	466,765	497,656	461,600
North Central ²	246,259	274,714	264,430
South, West and Pacific ³	260,451	261,026	258,121
West Central ⁴	343,690	340,941	316,705
Region	Crude oil stocks at crusher		
	April 2018	March 2019	April 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	139,509	185,655	202,122
Iowa	164,705	198,297	164,879
North and East ¹	256,429	218,384	207,466
North Central ²	253,376	234,168	245,447
South, West and Pacific ³	68,031	56,485	(D)
West Central ⁴	41,995	49,488	(D)
Region	Cake and meal produced		
	April 2018	March 2019	April 2019
	(tons)	(tons)	(tons)
Illinois	453,840	497,495	431,478
Iowa	796,270	825,242	845,056
North and East ¹	911,120	941,717	884,970
North Central ²	496,024	537,551	513,564
South, West and Pacific ³	501,127	478,007	481,344
West Central ⁴	663,957	646,546	607,341
Region	Cake and meal stocks		
	April 2018	March 2019	April 2019
	(tons)	(tons)	(tons)
Illinois	81,479	85,134	66,795
Iowa	65,445	97,918	75,499
North and East ¹	100,661	108,897	83,710
North Central ²	31,721	51,211	33,888
South, West and Pacific ³	68,616	69,224	(D)
West Central ⁴	56,546	52,775	(D)

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

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: April 2019
with Comparisons**

Item	April 2018	March 2019	April 2019
Canola			
Crush			
Seeds crushed..... tons	152,358	142,921	162,467
Crude oil produced..... 1,000 pounds	131,216	122,641	138,933
Cake and meal produced..... tons	85,399	81,313	91,629
Refine			
Crude oil processed in refining..... 1,000 pounds	112,715	126,726	106,330
Once refined oil produced..... 1,000 pounds	108,678	122,862	103,505
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	150,506	141,149	142,804
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	175,880	84,037	87,801
Once refined oil on hand end of month..... 1,000 pounds	79,596	110,446	108,334
Cottonseed			
Crush			
Seeds crushed..... tons	141,895	158,413	133,625
Crude oil produced..... 1,000 pounds	40,917	42,226	37,831
Cake and meal produced..... tons	61,531	69,935	59,880
Refine			
Crude oil processed in refining..... 1,000 pounds	41,810	47,265	36,511
Once refined oil produced..... 1,000 pounds	40,262	45,661	35,354
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	46,405	46,799	41,118
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	12,053	23,696	25,748
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	43,759
Once refined oil on hand end of month..... 1,000 pounds	53,631	31,736	27,367
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	(D)	(D)
Once refined oil produced..... 1,000 pounds	(D)	(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	57,489	81,614	64,145
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	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	51,427	62,274	67,811
Corn			
Crush			
Crude oil produced..... 1,000 pounds	172,066	174,917	168,461
Refine			
Crude oil processed in refining..... 1,000 pounds	188,003	181,056	170,860
Once refined oil produced..... 1,000 pounds	182,551	176,870	165,733
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	184,173	173,993	165,136
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	68,184	28,830	26,863
Once refined oil on hand end of month..... 1,000 pounds	66,708	(S)	(D)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: April 2019 with Comparisons (continued)

Item	April 2018	March 2019	April 2019
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	26,282	21,234	22,799
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	83,484	62,244	65,501
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	198,369	200,024	196,263
Removed for edible use in processing1,000 pounds	194,419	191,297	190,699
Removed for inedible use in processing.....1,000 pounds	3,950	8,727	5,564
Stocks			
Once refined oil on hand end of month1,000 pounds	422,563	291,345	307,723
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	29,706	(D)	(D)
Once refined oil produced.....1,000 pounds	27,643	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	-	-
Once refined oil removed for use in processing.....1,000 pounds	23,203	(D)	(D)
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)	25,386	19,909
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	(D)	(D)
Once refined oil produced.....1,000 pounds	(D)	(D)	(D)
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)	(D)
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	9,220	(D)	4,963
Once refined oil on hand end of month1,000 pounds	2,897	1,847	1,776
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	44,333	37,307
Once refined oil produced.....1,000 pounds	(D)	40,885	34,939
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	(D)	(D)	(D)
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	70,010	(D)	(D)
Once refined oil on hand end of month1,000 pounds	79,154	24,484	23,739
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.

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

Animal Fats and Oils Production, Consumption and Stocks – United States: April 2019 with Comparisons

Item	April 2018 (1,000 pounds)	March 2019 (1,000 pounds)	April 2019 (1,000 pounds)
Choice white grease			
Production.....	104,166	121,016	105,546
Removed for inedible use.....	105,285	120,727	104,635
Stocks on hand end of month.....	6,997	7,892	9,013
Feather meal			
Production.....	90,328	85,589	80,704
Stocks on hand end of month.....	22,836	25,663	22,680
Lard			
Production.....	26,539	28,321	28,653
Removed for use in processing.....	24,443	27,810	26,235
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	16,030	14,826	16,596
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	464,909	522,255	489,259
Stocks on hand end of month.....	50,429	61,632	55,399
Other grease			
Production.....	48,386	44,450	41,035
Removed for inedible use in processing.....	52,175	44,044	42,289
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	192,964	172,055	158,516
Removed for inedible use in processing.....	193,085	163,083	155,229
Stocks on hand end of month.....	23,826	23,182	21,863
Poultry by-product meals			
Production.....	257,530	215,887	225,042
Stocks on hand end of month.....	69,789	48,792	27,729
Tallow, edible			
Production.....	82,637	85,957	85,549
Removed for use in processing.....	83,223	89,071	90,012
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	24,151	23,240	15,516
Tallow, inedible			
Production.....	305,011	335,972	306,534
Removed for inedible use in processing.....	305,746	352,174	301,175
Stocks on hand end of month.....	90,779	82,006	85,965
Tallow, technical			
Production.....	92,787	96,061	103,568
Removed for inedible use in processing.....	99,887	104,024	113,452
Stocks on hand end of month.....	(D)	9,741	(D)
Yellow grease			
Production.....	175,099	197,538	183,244
Removed for inedible use in processing.....	183,104	215,060	172,944
Stocks on hand end of month.....	94,140	88,300	97,240

(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 Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Anthony Prillaman, Head, Field Crops Section	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans	(202) 690-3234
Jannety Mosley – Crop Weather, Barley.....	(202) 720-7621
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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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