



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

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Highlights

June 2019 contained 30 days.

July 2019 contained 31 days.

Soybeans crushed for crude oil was 5.39 million tons (180 million bushels) in July 2019, compared with 4.73 million tons (158 million bushels) in June 2019 and 5.37 million tons (179 million bushels) in July 2018. Crude oil produced was 2.09 billion pounds up 15 percent from June 2019 and up 2 percent from July 2018. Soybean once refined oil production at 1.51 billion pounds during July 2019 increased 7 percent from June 2019 and increased 6 percent from July 2018.

Canola seeds crushed for crude oil was 145,547 tons in July 2019, compared with 125,124 tons in June 2019 and 165,007 tons in July 2018. Canola crude oil produced was 122 million pounds, up 13 percent from June 2019 but down 19 percent from July 2018. Canola once refined oil production, at 102 million pounds during July 2019, was down 7 percent from June 2019 and down 25 percent from July 2018.

Cottonseed once refined oil production, at 34.0 million pounds during July 2019, was down 16 percent from June 2019 and down 20 percent from July 2018.

Edible tallow production was 80.8 million pounds during July 2019, down 8 percent from June 2019 but up 7 percent from July 2018. Inedible tallow production was 310 million pounds during July 2019, down 9 percent from June 2019 but up 5 percent from July 2018. Technical tallow production was 89.5 million pounds during July 2019, up 9 percent from June 2019 and up 16 percent from July 2018. Choice white grease production, at 93.3 million pounds during July 2019, decreased 15 percent from June 2019 but increased 4 percent from July 2018.

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

Item	July 2018	June 2019	July 2019
Crush			
Soybeans crushed	5,365,828	4,729,137	5,385,598
Crude oil produced.....	2,043,323	1,811,481	2,090,179
Cake and meal produced	3,979,120	3,453,178	3,918,708
For animal feed	3,931,552	3,406,447	3,872,657
For edible protein products.....	47,568	46,731	46,051
Millfeed produced.....	265,562	243,145	267,367
Refine			
Crude oil processed in refining.....	1,470,493	1,438,233	1,550,144
Once refined oil produced	1,432,655	1,411,496	1,514,468
Consumption			
Crude oil removed for inedible use in processing	(D)	91,283	97,319
Once refined oil removed for use in processing.....	1,488,138	1,455,630	1,602,979
Removed for edible use in processing.....	1,127,926	1,038,178	1,131,172
Removed for inedible use in processing	360,212	417,452	471,807
Stocks			
Cake and meal on hand end of month.....	462,350	376,025	344,235
Millfeed on hand end of month	50,079	48,431	39,762
Crude oil on hand end of month	1,983,666	1,595,273	1,652,747
Crusher	755,820	802,215	790,012
Refiner	446,947	402,875	423,124
Offsite	780,899	390,183	439,611
Once refined oil on hand end of month.....	399,980	419,147	386,647

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

Soybean Crushing – Regional: July 2019 with Comparisons

Region	Soybeans crushed		
	July 2018	June 2019	July 2019
	(tons)	(tons)	(tons)
Illinois	634,379	513,588	692,126
Iowa	1,023,211	921,588	1,104,400
North and East ¹	1,298,210	1,212,672	1,267,917
North Central ²	738,396	702,629	766,908
South, West and Pacific ³	738,440	516,578	645,223
West Central ⁴	933,192	862,082	909,024

Region	Crude oil produced		
	July 2018	June 2019	July 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	252,665	204,795	277,064
Iowa	389,920	357,533	430,443
North and East ¹	488,238	455,344	490,897
North Central ²	272,751	264,600	291,825
South, West and Pacific ³	280,812	197,226	248,741
West Central ⁴	358,937	331,983	351,209

Region	Crude oil stocks at crusher		
	July 2018	June 2019	July 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	85,912	151,492	(D)
Iowa	130,235	146,379	116,694
North and East ¹	170,560	189,761	199,346
North Central ²	276,475	215,622	209,971
South, West and Pacific ³	48,544	56,807	54,633
West Central ⁴	44,094	42,154	(D)

Region	Cake and meal produced		
	July 2018	June 2019	July 2019
	(tons)	(tons)	(tons)
Illinois	469,315	374,720	493,459
Iowa	761,117	679,988	806,237
North and East ¹	962,587	883,791	919,402
North Central ²	552,303	516,094	571,223
South, West and Pacific ³	541,487	365,783	464,539
West Central ⁴	692,311	632,802	663,848

Region	Cake and meal stocks		
	July 2018	June 2019	July 2019
	(tons)	(tons)	(tons)
Illinois	100,907	77,454	61,149
Iowa	57,399	85,736	67,871
North and East ¹	125,930	92,581	93,325
North Central ²	56,936	30,992	32,820
South, West and Pacific ³	61,943	31,480	48,088
West Central ⁴	59,235	57,782	40,982

(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: July 2019
with Comparisons**

Item	July 2018	June 2019	July 2019
Canola			
Crush			
Seeds crushed..... tons	165,007	125,124	145,547
Crude oil produced..... 1,000 pounds	149,716	108,332	121,974
Cake and meal produced..... tons	97,758	72,608	84,447
Refine			
Crude oil processed in refining..... 1,000 pounds	140,859	112,974	106,287
Once refined oil produced..... 1,000 pounds	136,781	109,656	102,407
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	155,330	142,953	143,445
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	121,647	66,768	73,663
Once refined oil on hand end of month..... 1,000 pounds	83,321	87,068	84,217
Cottonseed			
Crush			
Seeds crushed..... tons	137,822	122,379	96,586
Crude oil produced..... 1,000 pounds	39,854	35,572	24,978
Cake and meal produced..... tons	58,470	55,097	43,108
Refine			
Crude oil processed in refining..... 1,000 pounds	44,043	41,564	35,114
Once refined oil produced..... 1,000 pounds	42,320	40,296	33,981
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	50,619	38,672	37,448
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	26,787	48,402	39,228
Crude oil on hand end of month..... 1,000 pounds	65,685	33,015	(D)
Once refined oil on hand end of month..... 1,000 pounds	42,142	24,596	19,094
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	57,816	67,806	70,008
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	58,368	81,210	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	189,707	179,383	185,828
Refine			
Crude oil processed in refining..... 1,000 pounds	216,248	167,895	188,774
Once refined oil produced..... 1,000 pounds	211,017	163,110	183,005
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	204,723	163,658	195,499
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	62,816	28,725	25,592
Once refined oil on hand end of month..... 1,000 pounds	45,393	54,973	39,559

See footnote(s) at end of table.

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

Item	July 2018	June 2019	July 2019
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	18,750	20,315	19,835
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	63,320	71,366	75,927
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	179,002	167,464	155,179
Removed for edible use in processing1,000 pounds	173,455	158,385	145,855
Removed for inedible use in processing.....1,000 pounds	5,547	9,079	9,324
Stocks			
Once refined oil on hand end of month1,000 pounds	294,931	354,896	380,453
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	20,388	23,249
Once refined oil produced.....1,000 pounds	(D)	18,754	21,671
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)	17,217	25,691
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	53,931	20,750	23,625
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)	1,779
Once refined oil produced.....1,000 pounds	(D)	(D)	1,779
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	8,770	5,569	11,259
Once refined oil on hand end of month1,000 pounds	2,585	1,455	2,076
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	45,633	42,279	(D)
Once refined oil produced.....1,000 pounds	42,484	40,315	32,250
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	73,839	28,465	43,191
Once refined oil on hand end of month1,000 pounds	35,066	23,054	18,086
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.

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

Item	July 2018 (1,000 pounds)	June 2019 (1,000 pounds)	July 2019 (1,000 pounds)
Choice white grease			
Production.....	90,095	110,237	93,335
Removed for inedible use.....	89,393	109,944	93,752
Stocks on hand end of month.....	8,010	5,296	4,704
Feather meal			
Production.....	92,155	116,046	108,205
Stocks on hand end of month.....	21,916	32,179	28,200
Lard			
Production.....	17,440	28,968	23,645
Removed for use in processing.....	17,441	27,602	23,144
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	12,425	17,337	17,653
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	451,953	487,970	449,179
Stocks on hand end of month.....	60,601	55,152	56,187
Other grease			
Production.....	42,667	40,092	33,857
Removed for inedible use in processing.....	42,247	37,276	35,095
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	199,346	215,804	207,494
Removed for inedible use in processing.....	195,636	214,760	208,663
Stocks on hand end of month.....	27,601	27,685	26,600
Poultry by-product meals			
Production.....	252,122	292,242	273,933
Stocks on hand end of month.....	59,596	28,736	39,613
Tallow, edible			
Production.....	75,896	87,709	80,830
Removed for use in processing.....	78,066	81,476	85,045
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	26,541	20,272	18,299
Tallow, inedible			
Production.....	296,252	340,145	310,193
Removed for inedible use in processing.....	279,891	329,205	304,910
Stocks on hand end of month.....	99,888	84,850	90,339
Tallow, technical			
Production.....	77,425	81,968	89,509
Removed for inedible use in processing.....	87,260	94,508	97,182
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	180,987	193,072	176,555
Removed for inedible use in processing.....	169,501	192,600	184,415
Stocks on hand end of month.....	100,828	97,104	87,323

(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.

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