



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

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Highlights

May 2019 contained 31 days.

June 2019 contained 30 days.

Soybeans crushed for crude oil was 4.73 million tons (158 million bushels) in June 2019, compared with 4.96 million tons (165 million bushels) in May 2019 and 5.09 million tons (170 million bushels) in June 2018. Crude oil produced was 1.81 billion pounds down 5 percent from May 2019 and down 6 percent from June 2018. Soybean once refined oil production at 1.41 billion pounds during June 2019 decreased 6 percent from May 2019 and decreased 2 percent from June 2018.

Canola seeds crushed for crude oil was 125,124 tons in June 2019, compared with 133,790 tons in May 2019 and 147,432 tons in June 2018. Canola crude oil produced was 108 million pounds, down 4 percent from May 2019 and down 16 percent from June 2018. Canola once refined oil production, at 110 million pounds during June 2019, was down 5 percent from May 2019 and down 12 percent from June 2018.

Cottonseed once refined oil production, at 40.3 million pounds during June 2019, was up 5 percent from May 2019 but down 15 percent from June 2018.

Edible tallow production was 87.7 million pounds during June 2019, up 2 percent from May 2019 and up 7 percent from June 2018. Inedible tallow production was 340 million pounds during June 2019, up 2 percent from May 2019 and up 9 percent from June 2018. Technical tallow production was 82.0 million pounds during June 2019, down 28 percent from May 2019 and down 22 percent from June 2018. Choice white grease production, at 110 million pounds during June 2019, decreased 4 percent from May 2019 but increased 11 percent from June 2018.

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

Item	June 2018	May 2019	June 2019
Crush			
Soybeans crushed	5,086,941	4,963,271	4,729,137
Crude oil produced.....	1,936,907	1,915,994	1,811,481
Cake and meal produced	3,778,127	3,660,325	3,453,178
For animal feed	3,732,021	3,619,249	3,406,447
For edible protein products.....	46,106	41,076	46,731
Millfeed produced.....	254,192	249,227	243,145
Refine			
Crude oil processed in refining.....	1,466,700	1,531,841	1,438,233
Once refined oil produced	1,437,343	1,493,785	1,411,496
Consumption			
Crude oil removed for inedible use in processing	140,802	94,211	91,283
Once refined oil removed for use in processing.....	1,485,297	1,545,757	1,455,630
Removed for edible use in processing.....	1,104,670	1,121,029	1,038,178
Removed for inedible use in processing	380,627	424,728	417,452
Stocks			
Cake and meal on hand end of month.....	359,823	276,276	376,025
Millfeed on hand end of month	38,706	35,829	48,431
Crude oil on hand end of month	1,933,152	1,662,782	1,554,584
Crusher	833,122	810,916	802,215
Refiner	331,493	482,276	402,875
Offsite	768,537	369,590	(D)
Once refined oil on hand end of month.....	371,656	356,085	419,147

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

Soybean Crushing – Regional: June 2019 with Comparisons

Region	Soybeans crushed		
	June 2018	May 2019	June 2019
	(tons)	(tons)	(tons)
Illinois	584,300	472,570	513,588
Iowa.....	1,114,775	1,126,100	921,588
North and East ¹	1,130,569	1,160,768	1,212,672
North Central ²	721,430	686,496	702,629
South, West and Pacific ³	638,075	669,546	516,578
West Central ⁴	897,792	847,791	862,082
Region	Crude oil produced		
	June 2018	May 2019	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	228,251	196,663	204,795
Iowa.....	426,733	435,841	357,533
North and East ¹	427,222	436,813	455,344
North Central ²	268,434	258,860	264,600
South, West and Pacific ³	242,674	262,632	197,226
West Central ⁴	343,593	325,185	331,983
Region	Crude oil stocks at crusher		
	June 2018	May 2019	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	95,762	177,856	151,492
Iowa.....	142,779	150,470	146,379
North and East ¹	209,529	177,673	189,761
North Central ²	292,798	212,449	215,622
South, West and Pacific ³	50,722	47,482	56,807
West Central ⁴	41,532	44,986	42,154
Region	Cake and meal produced		
	June 2018	May 2019	June 2019
	(tons)	(tons)	(tons)
Illinois	429,717	353,748	374,720
Iowa.....	828,824	829,496	679,988
North and East ¹	846,870	850,463	883,791
North Central ²	535,519	515,103	516,094
South, West and Pacific ³	467,505	486,253	365,783
West Central ⁴	669,692	625,262	632,802
Region	Cake and meal stocks		
	June 2018	May 2019	June 2019
	(tons)	(tons)	(tons)
Illinois	57,052	44,769	77,454
Iowa.....	68,332	79,636	85,736
North and East ¹	100,865	67,263	92,581
North Central ²	41,345	24,176	30,992
South, West and Pacific ³	46,891	25,721	31,480
West Central ⁴	45,338	34,711	57,782

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: June 2019
with Comparisons**

Item	June 2018	May 2019	June 2019
Canola			
Crush			
Seeds crushed..... tons	147,432	133,790	125,124
Crude oil produced..... 1,000 pounds	129,663	113,165	108,332
Cake and meal produced..... tons	82,787	75,657	72,608
Refine			
Crude oil processed in refining..... 1,000 pounds	128,341	118,240	112,974
Once refined oil produced..... 1,000 pounds	124,480	115,344	109,656
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	152,352	136,663	142,953
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	149,258	77,520	66,768
Once refined oil on hand end of month..... 1,000 pounds	77,254	105,005	87,068
Cottonseed			
Crush			
Seeds crushed..... tons	156,503	121,057	122,379
Crude oil produced..... 1,000 pounds	46,280	31,983	35,572
Cake and meal produced..... tons	69,496	55,708	55,097
Refine			
Crude oil processed in refining..... 1,000 pounds	48,971	39,742	41,564
Once refined oil produced..... 1,000 pounds	47,313	38,462	40,296
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	48,342	47,041	38,672
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	29,621	34,563	48,402
Crude oil on hand end of month..... 1,000 pounds	(D)	37,514	33,015
Once refined oil on hand end of month..... 1,000 pounds	50,319	20,945	24,596
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	78,146	66,934	67,806
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	57,827	68,853	81,210
Corn			
Crush			
Crude oil produced..... 1,000 pounds	179,310	178,930	179,383
Refine			
Crude oil processed in refining..... 1,000 pounds	174,592	170,812	167,895
Once refined oil produced..... 1,000 pounds	170,892	166,768	163,110
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	176,084	177,793	163,658
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	65,076	30,471	28,725
Once refined oil on hand end of month..... 1,000 pounds	44,700	54,137	54,973

See footnote(s) at end of table.

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

Item	June 2018	May 2019	June 2019
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	16,345	17,737	20,315
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	65,546	67,759	71,366
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	175,446	202,290	167,464
Removed for edible use in processing1,000 pounds	170,040	193,587	158,385
Removed for inedible use in processing.....1,000 pounds	5,406	8,703	9,079
Stocks			
Once refined oil on hand end of month1,000 pounds	265,778	307,030	354,896
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	26,970	27,786	20,388
Once refined oil produced.....1,000 pounds	25,182	26,228	18,754
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	23,763	25,071	17,217
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)	22,402	20,750
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	8,226	10,081	5,569
Once refined oil on hand end of month1,000 pounds	3,119	1,037	1,455
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	33,680	34,935	42,279
Once refined oil produced.....1,000 pounds	31,855	33,229	40,315
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	70,305	(D)	28,465
Once refined oil on hand end of month1,000 pounds	88,708	18,857	23,054
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: June 2019
with Comparisons**

Item	June 2018 (1,000 pounds)	May 2019 (1,000 pounds)	June 2019 (1,000 pounds)
Choice white grease			
Production.....	99,298	114,886	110,237
Removed for inedible use.....	99,851	118,664	109,944
Stocks on hand end of month.....	7,308	5,178	5,296
Feather meal			
Production.....	81,704	123,203	116,046
Stocks on hand end of month.....	21,293	24,779	32,179
Lard			
Production.....	23,455	30,821	28,968
Removed for use in processing.....	22,182	31,519	27,602
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	17,704	16,262	17,337
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	482,620	511,622	488,290
Stocks on hand end of month.....	54,817	61,151	55,283
Other grease			
Production.....	47,148	40,561	40,092
Removed for inedible use in processing.....	45,300	39,101	37,276
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	209,629	219,260	215,804
Removed for inedible use in processing.....	206,789	208,366	214,760
Stocks on hand end of month.....	29,396	26,531	27,685
Poultry by-product meals			
Production.....	270,500	307,345	292,242
Stocks on hand end of month.....	63,925	34,563	28,736
Tallow, edible			
Production.....	82,012	86,181	87,709
Removed for use in processing.....	86,761	88,056	81,476
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)	14,346	20,272
Tallow, inedible			
Production.....	310,869	334,671	340,145
Removed for inedible use in processing.....	315,570	343,874	329,205
Stocks on hand end of month.....	80,741	76,672	84,850
Tallow, technical			
Production.....	105,578	113,450	81,968
Removed for inedible use in processing.....	114,675	122,632	94,508
Stocks on hand end of month.....	11,100	(D)	(D)
Yellow grease			
Production.....	199,687	187,131	195,061
Removed for inedible use in processing.....	198,310	185,842	197,394
Stocks on hand end of month.....	89,375	98,359	96,809

(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@usda.gov.

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