



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

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Highlights

April 2019 contained 30 days.

May 2019 contained 31 days.

Soybeans crushed for crude oil was 4.96 million tons (165 million bushels) in May 2019, compared with 5.15 million tons (172 million bushels) in April 2019 and 5.17 million tons (172 million bushels) in May 2018. Crude oil produced was 1.91 billion pounds down 4 percent from April 2019 and down 3 percent from May 2018. Soybean once refined oil production at 1.49 billion pounds during May 2019 increased 2 percent from April 2019 and increased 2 percent from May 2018.

Canola seeds crushed for crude oil was 133,790 tons in May 2019, compared with 162,467 tons in April 2019 and 130,921 tons in May 2018. Canola crude oil produced was 113 million pounds, down 19 percent from April 2019 and down 2 percent from May 2018. Canola once refined oil production, at 115 million pounds during May 2019, was up 11 percent from April 2019 and up 37 percent from May 2018.

Cottonseed once refined oil production, at 38.5 million pounds during May 2019, was up 9 percent from April 2019 but down 24 percent from May 2018.

Edible tallow production was 86.2 million pounds during May 2019, up 1 percent from April 2019 but down 3 percent from May 2018. Inedible tallow production was 335 million pounds during May 2019, up 9 percent from April 2019 and up 2 percent from May 2018. Technical tallow production was 113 million pounds during May 2019, up 10 percent from April 2019 and up 4 percent from May 2018. Choice white grease production, at 115 million pounds during May 2019, increased 9 percent from April 2019 and increased 1 percent from May 2018.

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

Item	May 2018	April 2019	May 2019
Crush			
Soybeans crushed tons	5,174,040	5,146,403	4,957,936
Crude oil produced.....1,000 pounds	1,966,511	1,989,101	1,914,378
Cake and meal produced tons	3,846,687	3,763,527	3,656,196
For animal feed tons	3,802,225	3,722,534	3,615,120
For edible protein products..... tons	44,462	40,993	41,076
Millfeed produced..... tons	262,574	259,021	249,227
Refine			
Crude oil processed in refining1,000 pounds	1,518,130	1,496,995	1,530,516
Once refined oil produced1,000 pounds	1,460,035	1,460,651	1,492,515
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	92,909	90,051	93,965
Once refined oil removed for use in processing.....1,000 pounds	1,531,290	1,528,830	1,544,813
Removed for edible use in processing.....1,000 pounds	1,218,228	1,115,258	1,120,085
Removed for inedible use in processing1,000 pounds	313,062	413,572	424,728
Stocks			
Cake and meal on hand end of month..... tons	391,812	337,326	276,208
Millfeed on hand end of month tons	41,315	47,847	35,829
Crude oil on hand end of month1,000 pounds	2,002,934	1,893,351	1,662,372
Crusher1,000 pounds	834,579	916,266	810,761
Refiner1,000 pounds	458,395	(D)	482,021
Offsite1,000 pounds	709,960	(D)	369,590
Once refined oil on hand end of month.....1,000 pounds	371,127	364,255	355,932

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

Soybean Crushing – Regional: May 2019 with Comparisons

Region	Soybeans crushed		
	May 2018	April 2019	May 2019
	(tons)	(tons)	(tons)
Illinois	618,675	597,030	472,570
Iowa	1,132,262	1,147,401	1,120,765
North and East ¹	1,214,147	1,201,783	1,160,768
North Central ²	719,504	694,306	686,496
South, West and Pacific ³	544,646	672,911	669,546
West Central ⁴	944,806	832,972	847,791
Region	Crude oil produced		
	May 2018	April 2019	May 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	241,685	242,119	196,663
Iowa	433,983	446,126	434,225
North and East ¹	452,616	461,600	436,813
North Central ²	265,717	264,430	258,860
South, West and Pacific ³	207,778	258,121	262,632
West Central ⁴	364,732	316,705	325,185
Region	Crude oil stocks at crusher		
	May 2018	April 2019	May 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	119,597	202,122	177,856
Iowa	139,987	165,013	150,315
North and East ¹	200,790	207,466	177,673
North Central ²	269,989	245,447	212,449
South, West and Pacific ³	53,995	(D)	47,482
West Central ⁴	50,221	(D)	44,986
Region	Cake and meal produced		
	May 2018	April 2019	May 2019
	(tons)	(tons)	(tons)
Illinois	451,608	431,478	353,748
Iowa	844,719	844,830	825,367
North and East ¹	904,003	884,970	850,463
North Central ²	543,481	513,564	515,103
South, West and Pacific ³	399,668	481,344	486,253
West Central ⁴	703,208	607,341	625,262
Region	Cake and meal stocks		
	May 2018	April 2019	May 2019
	(tons)	(tons)	(tons)
Illinois	81,209	66,795	44,769
Iowa	55,547	75,450	79,568
North and East ¹	114,294	83,710	67,263
North Central ²	40,229	33,888	24,176
South, West and Pacific ³	38,657	(D)	25,721
West Central ⁴	61,876	(D)	34,711

(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: May 2019
with Comparisons**

Item	May 2018	April 2019	May 2019
Canola			
Crush			
Seeds crushed..... tons	130,921	162,467	133,790
Crude oil produced..... 1,000 pounds	115,066	138,933	113,165
Cake and meal produced..... tons	73,353	91,629	75,657
Refine			
Crude oil processed in refining..... 1,000 pounds	86,730	106,340	118,240
Once refined oil produced..... 1,000 pounds	84,077	103,515	115,344
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	137,145	142,814	136,663
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	181,168	87,825	77,520
Once refined oil on hand end of month..... 1,000 pounds	81,122	108,334	105,005
Cottonseed			
Crush			
Seeds crushed..... tons	166,300	133,625	121,057
Crude oil produced..... 1,000 pounds	49,346	37,831	31,983
Cake and meal produced..... tons	70,946	59,880	55,708
Refine			
Crude oil processed in refining..... 1,000 pounds	52,426	36,511	39,742
Once refined oil produced..... 1,000 pounds	50,637	35,354	38,462
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	58,025	41,118	47,041
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	21,899	25,748	34,563
Crude oil on hand end of month..... 1,000 pounds	(D)	43,759	37,514
Once refined oil on hand end of month..... 1,000 pounds	49,740	27,367	20,945
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	57,717	64,145	66,934
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	60,090	67,811	68,853
Corn			
Crush			
Crude oil produced..... 1,000 pounds	172,186	168,461	178,930
Refine			
Crude oil processed in refining..... 1,000 pounds	200,211	170,860	170,812
Once refined oil produced..... 1,000 pounds	195,342	165,733	166,768
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	205,840	165,136	177,793
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	59,499	26,863	30,471
Once refined oil on hand end of month..... 1,000 pounds	52,021	(D)	54,137

See footnote(s) at end of table.

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

Item	May 2018	April 2019	May 2019
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	33,039	22,799	17,737
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	73,450	65,501	67,759
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	198,080	196,263	202,290
Removed for edible use in processing1,000 pounds	189,898	190,699	193,587
Removed for inedible use in processing.....1,000 pounds	8,182	5,564	8,703
Stocks			
Once refined oil on hand end of month1,000 pounds	412,729	307,723	307,030
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	20,758	(D)	27,786
Once refined oil produced.....1,000 pounds	19,814	(D)	26,228
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	20,530	(D)	25,071
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)	19,909	22,402
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	10,913	4,963	10,081
Once refined oil on hand end of month1,000 pounds	(D)	1,776	1,037
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	32,091	37,307	34,935
Once refined oil produced.....1,000 pounds	30,541	34,939	33,229
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	80,879	(D)	(D)
Once refined oil on hand end of month1,000 pounds	95,138	23,739	18,857
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: May 2019
with Comparisons**

Item	May 2018 (1,000 pounds)	April 2019 (1,000 pounds)	May 2019 (1,000 pounds)
Choice white grease			
Production.....	113,594	105,546	114,886
Removed for inedible use.....	112,703	104,635	118,664
Stocks on hand end of month.....	7,860	9,013	5,178
Feather meal			
Production.....	99,524	103,032	123,203
Stocks on hand end of month.....	24,002	23,632	24,779
Lard			
Production.....	29,882	28,653	30,821
Removed for use in processing.....	28,202	26,235	31,519
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	19,567	16,596	16,262
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	469,509	489,259	511,622
Stocks on hand end of month.....	49,251	55,399	61,151
Other grease			
Production.....	55,596	41,035	40,561
Removed for inedible use in processing.....	51,797	42,289	39,101
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	214,202	186,282	219,260
Removed for inedible use in processing.....	211,414	182,916	208,366
Stocks on hand end of month.....	26,336	23,190	26,531
Poultry by-product meals			
Production.....	280,341	261,761	307,345
Stocks on hand end of month.....	74,189	30,368	34,563
Tallow, edible			
Production.....	88,666	85,549	86,181
Removed for use in processing.....	90,813	90,012	88,056
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	48,405	15,516	14,346
Tallow, inedible			
Production.....	328,252	306,534	334,671
Removed for inedible use in processing.....	335,428	301,175	343,874
Stocks on hand end of month.....	85,193	85,965	76,672
Tallow, technical			
Production.....	108,719	103,568	113,450
Removed for inedible use in processing.....	115,393	113,452	122,632
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	186,554	183,244	187,132
Removed for inedible use in processing.....	192,678	172,944	185,844
Stocks on hand end of month.....	88,198	97,240	98,382

(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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