



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

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Highlights

October 2018 contained 31 days.

November 2018 contained 30 days.

Soybeans crushed for crude oil was 5.34 million tons (178 million bushels) in November 2018, compared with 5.51 million tons (184 million bushels) in October 2018 and 5.20 million tons (173 million bushels) in November 2017. Crude oil produced was 2.06 billion pounds down 3 percent from October 2018 but up 4 percent from November 2017. Soybean once refined oil production at 1.46 billion pounds during November 2018 decreased 7 percent from October 2018 but increased slightly from November 2017.

Canola seeds crushed for crude oil was 161,507 tons in November 2018, compared with 175,960 tons in October 2018 and 151,301 tons in November 2017. Canola crude oil produced was 134 million pounds down 8 percent from October 2018 but up 3 percent from November 2017. Canola once refined oil production at 153 million pounds during November 2018 was up 16 percent from October 2018 and up 21 percent from November 2017.

Cottonseed once refined oil production at 48.8 million pounds during November 2018 was up 2 percent from October 2018 and up 7 percent from November 2017.

Edible tallow production was 92.0 million pounds during November 2018, up 12 percent from October 2018 and up 1 percent from November 2017. Inedible tallow production was 351 million pounds during November 2018, up 9 percent from October 2018 and up 9 percent from November 2017. Technical tallow production was 110 million pounds during November 2018, down slightly from October 2018 and down 8 percent from November 2017. Choice white grease production, at 124 million pounds during November 2018, increased 19 percent from October 2018 and increased 6 percent from November 2017.

Soybean Crushing, Production, Consumption and Stocks – United States: November 2018 with Comparisons

Item	November 2017	October 2018	November 2018
Crush			
Soybeans crushed	5,200,462	5,506,753	5,343,053
Crude oil produced.....	1,977,005	2,134,553	2,060,563
Cake and meal produced	3,829,140	4,020,038	3,889,342
For animal feed	3,779,048	3,988,542	3,860,368
For edible protein products.....	50,092	31,496	28,974
Millfeed produced.....	272,552	270,986	265,758
Refine			
Crude oil processed in refining.....	1,482,830	1,601,041	1,496,018
Once refined oil produced	1,455,439	1,568,355	1,456,902
Consumption			
Crude oil removed for inedible use in processing	(D)	92,901	(D)
Once refined oil removed for use in processing.....	1,485,032	1,606,335	1,549,491
Removed for edible use in processing.....	1,173,519	1,170,954	1,108,323
Removed for inedible use in processing.....	311,513	435,381	441,168
Stocks			
Cake and meal on hand end of month.....	354,998	399,414	294,996
Millfeed on hand end of month	34,110	45,457	40,459
Crude oil on hand end of month	1,379,223	1,700,684	1,582,363
Crusher	651,572	689,945	711,421
Refiner	276,997	411,766	417,721
Offsite	450,654	598,973	(D)
Once refined oil on hand end of month.....	311,358	346,867	317,910

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

Soybean Crushing – Regional: November 2018 with Comparisons

Region	Soybeans crushed		
	November 2017	October 2018	November 2018
	(tons)	(tons)	(tons)
Illinois	621,917	622,334	636,227
Iowa	1,110,239	1,164,811	1,125,556
North and East ¹	1,185,186	1,344,400	1,233,200
North Central ²	667,253	749,975	722,446
South, West and Pacific ³	707,525	708,724	700,948
West Central ⁴	908,342	916,509	924,676
Region	Crude oil produced		
	November 2017	October 2018	November 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	240,877	248,248	247,093
Iowa	425,604	453,138	436,749
North and East ¹	445,371	524,090	478,068
North Central ²	250,328	280,929	272,744
South, West and Pacific ³	268,217	276,534	272,838
West Central ⁴	346,608	351,614	353,071
Region	Crude oil stocks at crusher		
	November 2017	October 2018	November 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	84,535	114,887	(D)
Iowa	90,213	127,335	121,684
North and East ¹	203,449	156,059	168,147
North Central ²	166,333	211,762	238,111
South, West and Pacific ³	(D)	42,516	48,124
West Central ⁴	(D)	37,386	(D)
Region	Cake and meal produced		
	November 2017	October 2018	November 2018
	(tons)	(tons)	(tons)
Illinois	452,066	453,914	450,508
Iowa	828,782	857,330	829,335
North and East ¹	865,530	978,484	896,323
North Central ²	499,021	553,097	532,849
South, West and Pacific ³	513,025	509,322	502,185
West Central ⁴	670,716	667,891	678,142
Region	Cake and meal stocks		
	November 2017	October 2018	November 2018
	(tons)	(tons)	(tons)
Illinois	55,418	111,136	45,502
Iowa	53,873	52,023	44,417
North and East ¹	110,529	98,129	72,766
North Central ²	17,772	42,214	36,917
South, West and Pacific ³	74,789	53,801	57,368
West Central ⁴	42,617	42,111	38,026

(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: November 2018
with Comparisons**

Item	November 2017	October 2018	November 2018
Canola			
Crush			
Seeds crushed..... tons	151,301	175,960	161,507
Crude oil produced..... 1,000 pounds	129,766	146,189	133,969
Cake and meal produced..... tons	84,801	100,529	92,915
Refine			
Crude oil processed in refining..... 1,000 pounds	129,749	136,809	157,653
Once refined oil produced..... 1,000 pounds	126,549	132,411	153,103
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	155,300	162,544	151,342
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	179,148	105,828	96,080
Once refined oil on hand end of month..... 1,000 pounds	81,801	84,793	70,748
Cottonseed			
Crush			
Seeds crushed..... tons	174,179	164,484	159,198
Crude oil produced..... 1,000 pounds	52,356	44,386	44,709
Cake and meal produced..... tons	76,810	71,169	65,713
Refine			
Crude oil processed in refining..... 1,000 pounds	46,813	49,442	50,636
Once refined oil produced..... 1,000 pounds	45,544	47,889	48,800
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	44,463	49,523	50,049
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	22,798	51,389	45,379
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	54,426	29,617	29,348
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	77,995	62,440	61,562
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	45,999	48,984	56,497
Corn			
Crush			
Crude oil produced..... 1,000 pounds	199,226	171,942	176,126
Refine			
Crude oil processed in refining..... 1,000 pounds	174,361	153,761	172,339
Once refined oil produced..... 1,000 pounds	169,295	149,080	167,529
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	180,875	150,564	164,172
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	77,259	38,015	38,523
Once refined oil on hand end of month..... 1,000 pounds	65,528	55,459	55,829

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: November 2018
with Comparisons (continued)**

Item	November 2017	October 2018	November 2018
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	45,867	26,608	29,190
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	117,287	65,625	58,539
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	214,003	217,203	200,357
Removed for edible use in processing1,000 pounds	208,540	209,740	196,233
Removed for inedible use in processing.....1,000 pounds	5,463	7,463	4,124
Stocks			
Once refined oil on hand end of month1,000 pounds	374,322	328,661	322,520
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	27,577	32,894	33,269
Once refined oil produced.....1,000 pounds	26,471	31,713	30,778
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	26,372	36,675	33,922
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)	(D)	(D)
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)
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	(D)	4,553	9,647
Once refined oil on hand end of month1,000 pounds	(D)	2,720	3,338
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	31,151	26,336	38,671
Once refined oil produced.....1,000 pounds	29,773	25,365	36,868
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	62,834	(D)	66,057
Once refined oil on hand end of month1,000 pounds	55,842	28,237	115,261
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: November 2018
with Comparisons**

Item	November 2017 (1,000 pounds)	October 2018 (1,000 pounds)	November 2018 (1,000 pounds)
Choice white grease			
Production.....	116,982	104,610	124,142
Removed for inedible use.....	116,986	105,187	120,368
Stocks on hand end of month.....	8,185	7,529	9,966
Feather meal			
Production.....	98,186	76,452	76,780
Stocks on hand end of month.....	21,257	19,058	22,180
Lard			
Production.....	32,938	26,914	36,874
Removed for use in processing.....	32,278	26,512	34,886
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	5,231	9,736	10,865
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	560,271	493,845	1,025,976
Stocks on hand end of month.....	65,094	73,420	66,986
Other grease			
Production.....	69,226	51,389	55,058
Removed for inedible use in processing.....	71,501	53,803	57,722
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	205,767	168,973	165,512
Removed for inedible use in processing.....	205,961	162,988	166,336
Stocks on hand end of month.....	23,034	24,406	19,416
Poultry by-product meals			
Production.....	269,747	227,915	229,713
Stocks on hand end of month.....	64,981	61,601	45,859
Tallow, edible			
Production.....	91,393	82,283	92,023
Removed for use in processing.....	100,557	83,523	93,774
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	19,957	29,967	29,197
Tallow, inedible			
Production.....	322,079	322,771	350,976
Removed for inedible use in processing.....	323,284	325,996	359,833
Stocks on hand end of month.....	94,803	110,415	101,567
Tallow, technical			
Production.....	120,147	110,521	110,497
Removed for inedible use in processing.....	125,991	119,632	119,316
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	159,501	183,059	171,143
Removed for inedible use in processing.....	153,633	191,483	180,618
Stocks on hand end of month.....	89,572	100,364	91,331

(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
Travis Thorson, 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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