



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

ISSN: 2379-9862

Released December 3, 2018, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

September 2018 contained 30 days.

October 2018 contained 31 days.

Soybeans crushed for crude oil was 5.49 million tons (183 million bushels) in October 2018, compared with 5.08 million tons (169 million bushels) in September 2018 and 5.28 million tons (176 million bushels) in October 2017. Crude oil produced was 2.13 billion pounds up 10 percent from September 2018 and up 6 percent from October 2017. Soybean once refined oil production at 1.57 billion pounds during October 2018 increased 7 percent from September 2018 but decreased 2 percent from October 2017.

Canola seeds crushed for crude oil was 175,960 tons in October 2018, compared with 178,162 tons in September 2018 and 184,463 tons in October 2017. Canola crude oil produced was 146 million pounds down 4 percent from September 2018 and down 6 percent from October 2017. Canola once refined oil production at 132 million pounds during October 2018 was down 18 percent from September 2018 and down 9 percent from October 2017.

Cottonseed once refined oil production at 47.9 million pounds during October 2018 was up 11 percent from September 2018 but down 10 percent from October 2017.

Edible tallow production was 82.3 million pounds during October 2018, up 7 percent from September 2018 and up 13 percent from October 2017. Inedible tallow production was 320 million pounds during October 2018, down 3 percent from September 2018 but up 17 percent from October 2017. Technical tallow production was 111 million pounds during October 2018, up 2 percent from September 2018 and up 7 percent from October 2017. Choice white grease production at 105 million pounds during October 2018 increased 1 percent from September 2018 but decreased 4 percent from October 2017.

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

Item	October 2017	September 2018	October 2018
Crush			
Soybeans crushed tons	5,277,397	5,077,532	5,488,907
Crude oil produced.....1,000 pounds	2,016,888	1,936,873	2,127,910
Cake and meal produced tons	3,847,770	3,731,600	4,007,671
For animal feed tons	3,804,878	3,693,011	3,976,681
For edible protein products..... tons	42,892	38,589	30,990
Millfeed produced..... tons	276,055	254,269	270,093
Refine			
Crude oil processed in refining1,000 pounds	1,644,069	1,494,848	1,601,041
Once refined oil produced1,000 pounds	1,601,067	1,467,768	1,568,355
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	84,461	140,147	92,901
Once refined oil removed for use in processing.....1,000 pounds	1,554,132	1,543,916	1,606,486
Removed for edible use in processing.....1,000 pounds	1,211,510	1,129,054	1,170,954
Removed for inedible use in processing1,000 pounds	342,622	414,862	435,532
Stocks			
Cake and meal on hand end of month..... tons	350,935	498,862	397,413
Millfeed on hand end of month tons	42,368	54,010	45,326
Crude oil on hand end of month1,000 pounds	1,300,360	1,642,954	1,694,722
Crusher1,000 pounds	567,670	674,977	683,983
Refiner1,000 pounds	325,724	295,637	411,766
Offsite1,000 pounds	406,966	672,340	598,973
Once refined oil on hand end of month.....1,000 pounds	325,863	347,087	346,720

Soybean Crushing – Regional: October 2018 with Comparisons

Region	Soybeans crushed		
	October 2017	September 2018	October 2018
	(tons)	(tons)	(tons)
Illinois	606,907	575,004	622,334
Iowa	1,118,269	1,105,598	1,146,965
North and East ¹	1,249,228	1,205,334	1,344,400
North Central ²	687,033	695,155	749,975
South, West and Pacific ³	696,124	648,670	708,724
West Central ⁴	919,836	847,771	916,509
Region	Crude oil produced		
	October 2017	September 2018	October 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	238,937	225,764	248,248
Iowa	428,144	421,784	446,495
North and East ¹	473,778	462,925	524,090
North Central ²	257,619	256,950	280,929
South, West and Pacific ³	268,347	247,861	276,534
West Central ⁴	350,063	321,589	351,614
Region	Crude oil stocks at crusher		
	October 2017	September 2018	October 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	76,958	(D)	114,887
Iowa	86,277	113,034	121,373
North and East ¹	155,710	147,769	156,059
North Central ²	162,498	228,898	211,762
South, West and Pacific ³	61,170	47,346	42,516
West Central ⁴	25,057	(D)	37,386
Region	Cake and meal produced		
	October 2017	September 2018	October 2018
	(tons)	(tons)	(tons)
Illinois	437,819	420,599	453,914
Iowa	816,027	814,230	844,963
North and East ¹	915,499	876,911	978,484
North Central ²	505,026	522,349	553,097
South, West and Pacific ³	502,119	472,394	509,322
West Central ⁴	671,280	625,117	667,891
Region	Cake and meal stocks		
	October 2017	September 2018	October 2018
	(tons)	(tons)	(tons)
Illinois	51,227	(D)	111,136
Iowa	51,108	68,232	50,022
North and East ¹	114,752	101,094	98,129
North Central ²	33,417	(D)	42,214
South, West and Pacific ³	61,400	75,601	53,801
West Central ⁴	39,031	63,658	42,111

(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: October 2018
with Comparisons**

Item	October 2017	September 2018	October 2018
Canola			
Crush			
Seeds crushed..... tons	184,463	178,162	175,960
Crude oil produced..... 1,000 pounds	155,984	151,517	146,189
Cake and meal produced..... tons	102,579	101,750	100,529
Refine			
Crude oil processed in refining..... 1,000 pounds	149,511	166,792	136,809
Once refined oil produced..... 1,000 pounds	146,037	161,314	132,411
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	162,986	154,209	162,544
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	166,734	115,128	105,828
Once refined oil on hand end of month..... 1,000 pounds	88,706	79,440	84,793
Cottonseed			
Crush			
Seeds crushed..... tons	158,687	157,504	164,484
Crude oil produced..... 1,000 pounds	47,196	40,807	44,386
Cake and meal produced..... tons	70,892	62,185	71,169
Refine			
Crude oil processed in refining..... 1,000 pounds	55,356	44,742	49,442
Once refined oil produced..... 1,000 pounds	53,329	43,278	47,889
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	45,295	49,876	49,523
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	23,459	44,809	51,389
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	56,158	32,087	29,617
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	54,664	65,556	62,440
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	44,985	56,306	48,984
Corn			
Crush			
Crude oil produced..... 1,000 pounds	180,160	171,868	171,942
Refine			
Crude oil processed in refining..... 1,000 pounds	186,230	178,687	153,761
Once refined oil produced..... 1,000 pounds	181,677	173,240	149,080
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	172,319	167,564	150,564
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	53,944	43,590	38,015
Once refined oil on hand end of month..... 1,000 pounds	81,559	60,863	55,459

See footnote(s) at end of table.

--continued

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

Item	October 2017	September 2018	October 2018
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	37,572	22,663	26,608
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	109,712	66,754	65,625
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	225,093	193,832	217,203
Removed for edible use in processing1,000 pounds	218,176	188,743	209,740
Removed for inedible use in processing.....1,000 pounds	6,917	5,089	7,463
Stocks			
Once refined oil on hand end of month1,000 pounds	349,978	291,115	328,661
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	33,762	33,096	32,894
Once refined oil produced.....1,000 pounds	31,705	32,024	31,713
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	38,551	29,067	36,675
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)	49,576	(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)	10,855	4,553
Once refined oil on hand end of month1,000 pounds	2,356	(D)	2,720
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	28,146	43,763	26,336
Once refined oil produced.....1,000 pounds	26,878	41,089	25,365
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	38,604	(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	69,020	32,399	(D)
Once refined oil on hand end of month1,000 pounds	46,116	40,043	28,237
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: October 2018
with Comparisons**

Item	October 2017 (1,000 pounds)	September 2018 (1,000 pounds)	October 2018 (1,000 pounds)
Choice white grease			
Production.....	108,646	103,973	104,610
Removed for inedible use.....	109,969	102,781	104,588
Stocks on hand end of month.....	8,098	8,136	7,529
Feather meal			
Production.....	92,530	74,383	76,452
Stocks on hand end of month.....	21,167	23,446	19,058
Lard			
Production.....	29,183	26,339	26,914
Removed for use in processing.....	28,295	27,345	26,348
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	4,751	13,111	9,736
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	506,187	498,512	493,845
Stocks on hand end of month.....	66,583	70,513	73,420
Other grease			
Production.....	71,183	55,198	51,389
Removed for inedible use in processing.....	72,468	53,128	53,803
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	196,936	171,974	168,973
Removed for inedible use in processing.....	196,231	165,937	166,050
Stocks on hand end of month.....	23,783	25,101	24,406
Poultry by-product meals			
Production.....	260,441	224,917	227,915
Stocks on hand end of month.....	66,166	67,070	61,601
Tallow, edible			
Production.....	73,081	77,169	82,283
Removed for use in processing.....	69,225	79,866	83,523
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	28,275	31,362	29,967
Tallow, inedible			
Production.....	273,846	330,273	320,472
Removed for inedible use in processing.....	266,655	322,109	325,996
Stocks on hand end of month.....	95,775	113,645	110,415
Tallow, technical			
Production.....	103,590	108,805	110,521
Removed for inedible use in processing.....	108,185	118,993	119,632
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	162,770	195,794	181,480
Removed for inedible use in processing.....	162,292	200,096	190,860
Stocks on hand end of month.....	84,449	108,275	100,522

(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
Chris Hawthorn, Head, Field Crops Section.....	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Josh Bates – 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

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.