



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

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## Highlights

**December 2018** contained 31 days.

**January 2019** contained 31 days.

**Soybeans crushed** for crude oil was 5.49 million tons (183 million bushels) in January 2019, compared with 5.51 million tons (184 million bushels) in December 2018 and 5.24 million tons (175 million bushels) in January 2018. Crude oil produced was 2.11 billion pounds down 1 percent from December 2018 but up 6 percent from January 2018. Soybean once refined oil production, at 1.40 billion pounds during January 2019, decreased 4 percent from December 2018 but increased 10 percent from January 2018.

**Canola seeds crushed** for crude oil was 162,631 tons in January 2019, compared with 156,703 tons in December 2018 and 156,705 tons in January 2018. Canola crude oil produced was 136 million pounds, up 1 percent from December 2018 but down slightly from January 2018. Canola once refined oil production, at 124 million pounds during January 2019, was down 2 percent from December 2018 but up 23 percent from January 2018.

**Cottonseed once refined** oil production, at 50.0 million pounds during January 2019, was up 13 percent from December 2018 and up 19 percent from January 2018.

**Edible tallow** production was 67.2 million pounds during January 2019, down 7 percent from December 2018 but up 1 percent from January 2018. Inedible tallow production was 321 million pounds during January 2019, down 5 percent from December 2018 but up 9 percent from January 2018. Technical tallow production was 112 million pounds during January 2019, up 2 percent from December 2018 and up 17 percent from January 2018. Choice white grease production, at 112 million pounds during January 2019, decreased 6 percent from December 2018 but increased 4 percent from January 2018.

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

Item	January 2018	December 2018	January 2019
<b>Crush</b>			
Soybeans crushed .....	5,239,827	5,513,266	5,486,127
Crude oil produced.....	1,995,589	2,135,370	2,113,999
Cake and meal produced .....	3,859,849	4,016,547	3,984,137
For animal feed .....	3,812,768	3,971,237	3,941,558
For edible protein products.....	47,081	45,310	42,579
Millfeed produced.....	268,466	279,141	277,433
<b>Refine</b>			
Crude oil processed in refining.....	1,291,424	1,479,059	1,423,982
Once refined oil produced .....	1,267,093	1,451,026	1,396,427
<b>Consumption</b>			
Crude oil removed for inedible use in processing .....	(D)	119,209	123,167
Once refined oil removed for use in processing.....	1,330,992	1,522,135	1,411,293
Removed for edible use in processing.....	1,075,497	1,057,677	1,034,880
Removed for inedible use in processing.....	255,495	464,458	376,413
<b>Stocks</b>			
Cake and meal on hand end of month.....	379,359	394,444	480,114
Millfeed on hand end of month .....	30,652	40,662	39,577
Crude oil on hand end of month .....	1,886,728	1,601,770	1,659,115
Crusher .....	886,164	712,207	795,749
Refiner .....	368,744	419,604	438,721
Offsite .....	631,820	469,959	424,645
Once refined oil on hand end of month.....	353,056	344,078	344,598

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

## Soybean Crushing – Regional: January 2019 with Comparisons

Region	Soybeans crushed		
	January 2018	December 2018	January 2019
	(tons)	(tons)	(tons)
Illinois .....	606,516	675,141	684,581
Iowa .....	1,097,829	1,179,436	1,135,744
North and East <sup>1</sup> .....	1,199,435	1,279,947	1,294,880
North Central <sup>2</sup> .....	693,338	755,401	730,058
South, West and Pacific <sup>3</sup> .....	710,716	668,333	696,362
West Central <sup>4</sup> .....	931,993	955,008	944,502
Region	Crude oil produced		
	January 2018	December 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	235,228	272,127	269,325
Iowa .....	420,867	456,423	440,743
North and East <sup>1</sup> .....	452,900	496,433	502,921
North Central <sup>2</sup> .....	257,544	285,743	276,478
South, West and Pacific <sup>3</sup> .....	269,726	260,729	269,221
West Central <sup>4</sup> .....	359,324	363,915	355,311
Region	Crude oil stocks at crusher		
	January 2018	December 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	130,828	(D)	129,645
Iowa .....	168,440	130,165	163,396
North and East <sup>1</sup> .....	204,009	188,844	199,748
North Central <sup>2</sup> .....	251,126	219,994	214,817
South, West and Pacific <sup>3</sup> .....	74,980	43,640	48,335
West Central <sup>4</sup> .....	56,781	(D)	39,808
Region	Cake and meal produced		
	January 2018	December 2018	January 2019
	(tons)	(tons)	(tons)
Illinois .....	438,990	483,119	486,990
Iowa .....	819,429	863,905	834,644
North and East <sup>1</sup> .....	879,903	932,675	940,010
North Central <sup>2</sup> .....	514,202	556,485	540,247
South, West and Pacific <sup>3</sup> .....	516,908	479,883	492,970
West Central <sup>4</sup> .....	690,417	700,480	689,276
Region	Cake and meal stocks		
	January 2018	December 2018	January 2019
	(tons)	(tons)	(tons)
Illinois .....	56,640	64,375	(D)
Iowa .....	57,813	55,143	45,143
North and East <sup>1</sup> .....	115,398	77,385	(D)
North Central <sup>2</sup> .....	53,008	57,894	36,196
South, West and Pacific <sup>3</sup> .....	57,014	74,585	52,825
West Central <sup>4</sup> .....	39,486	65,062	50,372

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

<sup>1</sup> North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

<sup>2</sup> North Central includes Michigan, Minnesota, North Dakota and South Dakota.

<sup>3</sup> South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, Mississippi, North Carolina and South Carolina.

<sup>4</sup> West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: January 2019  
with Comparisons**

Item	January 2018	December 2018	January 2019
<b>Canola</b>			
Crush			
Seeds crushed..... tons	156,705	156,703	162,631
Crude oil produced..... 1,000 pounds	136,161	134,385	135,572
Cake and meal produced..... tons	86,774	90,257	91,447
Refine			
Crude oil processed in refining..... 1,000 pounds	103,151	130,359	128,949
Once refined oil produced..... 1,000 pounds	100,650	127,271	124,273
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	127,564	145,845	138,584
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	168,870	107,716	100,172
Once refined oil on hand end of month..... 1,000 pounds	107,267	100,815	96,910
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	164,724	164,636	167,644
Crude oil produced..... 1,000 pounds	47,160	40,867	48,266
Cake and meal produced..... tons	73,544	72,579	79,973
Refine			
Crude oil processed in refining..... 1,000 pounds	43,259	45,709	51,521
Once refined oil produced..... 1,000 pounds	42,078	44,162	49,952
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	47,285	45,266	50,486
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	10,242	39,731	37,160
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	50,366
Once refined oil on hand end of month..... 1,000 pounds	54,150	31,421	27,101
<b>Coconut</b>			
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	52,616	84,858	71,174
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	48,582	68,507	72,278
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	185,946	182,557	164,740
Refine			
Crude oil processed in refining..... 1,000 pounds	179,265	202,940	161,718
Once refined oil produced..... 1,000 pounds	175,400	197,573	158,040
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	171,225	182,586	161,002
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	87,213	27,799	36,552
Once refined oil on hand end of month..... 1,000 pounds	80,556	69,825	69,008

See footnote(s) at end of table.

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

Item	January 2018	December 2018	January 2019
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	33,355	18,815	24,336
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			
Once refined oil on hand end of month .....1,000 pounds	90,177	61,586	64,755
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	209,662	200,727	193,109
Removed for edible use in processing .....1,000 pounds	199,254	190,060	184,988
Removed for inedible use in processing.....1,000 pounds	10,408	10,667	8,121
Stocks			
Once refined oil on hand end of month .....1,000 pounds	460,629	316,297	306,703
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	23,177	(D)	(D)
Once refined oil produced.....1,000 pounds	22,454	(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	19,111	(D)	(D)
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)	39,352	35,872
Once refined oil on hand end of month .....1,000 pounds	(D)	(D)	(D)
<b>Safflower</b>			
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 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	11,014	12,655	6,364
Once refined oil on hand end of month .....1,000 pounds	(D)	1,524	1,478
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	24,643	42,336	39,099
Once refined oil produced.....1,000 pounds	23,497	39,581	37,705
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	29,133	(D)	(D)
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	73,985	45,122	(D)
Once refined oil on hand end of month .....1,000 pounds	46,087	31,984	28,973
<b>Vegetable foots, raw and acidulated</b>			
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: January 2019 with Comparisons

Item	January 2018 (1,000 pounds)	December 2018 (1,000 pounds)	January 2019 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	106,903	118,323	111,538
Removed for inedible use.....	104,907	117,817	112,524
Stocks on hand end of month.....	19,319	10,529	10,066
<b>Feather meal</b>			
Production.....	89,109	69,438	69,738
Stocks on hand end of month.....	20,526	21,893	22,180
<b>Lard</b>			
Production.....	26,605	31,050	27,411
Removed for use in processing.....	26,718	28,745	26,208
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,004	10,806	13,951
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	390,785	531,159	444,106
Stocks on hand end of month.....	58,659	69,043	68,195
<b>Other grease</b>			
Production.....	63,200	46,940	28,590
Removed for inedible use in processing.....	62,466	44,064	27,296
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	187,595	152,166	165,702
Removed for inedible use in processing.....	185,346	144,051	162,960
Stocks on hand end of month.....	26,124	23,351	20,664
<b>Poultry by-product meals</b>			
Production.....	262,370	217,282	210,274
Stocks on hand end of month.....	73,458	59,352	46,442
<b>Tallow, edible</b>			
Production.....	66,322	71,996	67,184
Removed for use in processing.....	66,567	73,631	68,894
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	22,864	32,114	31,498
<b>Tallow, inedible</b>			
Production.....	295,053	337,120	320,826
Removed for inedible use in processing.....	283,784	332,622	314,944
Stocks on hand end of month.....	107,914	106,011	111,568
<b>Tallow, technical</b>			
Production.....	95,104	109,646	111,519
Removed for inedible use in processing.....	104,986	115,666	124,691
Stocks on hand end of month.....	(D)	(D)	12,405
<b>Yellow grease</b>			
Production.....	165,398	180,449	173,406
Removed for inedible use in processing.....	152,729	178,450	164,632
Stocks on hand end of month.....	98,395	93,086	101,894

(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](mailto: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](mailto: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](mailto:nass@nass.usda.gov).

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