



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

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## Highlights

**January 2019** contained 31 days.

**February 2019** contained 28 days.

**Soybeans crushed** for crude oil was 4.88 million tons (163 million bushels) in February 2019, compared with 5.49 million tons (183 million bushels) in January 2019 and 4.95 million tons (165 million bushels) in February 2018. Crude oil produced was 1.90 billion pounds down 10 percent from January 2019 but up slightly from February 2018. Soybean once refined oil production at 1.29 billion pounds during February 2019 decreased 8 percent from January 2019 but increased 2 percent from February 2018.

**Canola seeds crushed** for crude oil was 136,421 tons in February 2019, compared with 162,631 tons in January 2019 and 151,591 tons in February 2018. Canola crude oil produced was 116 million pounds, down 15 percent from January 2019 and down 10 percent from February 2018. Canola once refined oil production, at 102 million pounds during February 2019, was down 18 percent from January 2019 and down 9 percent from February 2018.

**Cottonseed once refined** oil production, at 36.9 million pounds during February 2019, was down 26 percent from January 2019 and down 25 percent from February 2018.

**Edible tallow** production was 91.8 million pounds during February 2019, up 37 percent from January 2019 and up 6 percent from February 2018. Inedible tallow production was 334 million pounds during February 2019, up 4 percent from January 2019 and up 3 percent from February 2018. Technical tallow production was 120 million pounds during February 2019, up 7 percent from January 2019 and up 9 percent from February 2018. Choice white grease production, at 129 million pounds during February 2019, increased 15 percent from January 2019 and increased 13 percent from February 2018.

## Soybean Crushing, Production, Consumption and Stocks – United States: February 2019 with Comparisons

Item	February 2018	January 2019	February 2019
<b>Crush</b>			
Soybeans crushed .....	4,948,772	5,492,127	4,883,434
Crude oil produced.....	1,889,841	2,115,799	1,899,196
Cake and meal produced .....	3,651,786	3,988,737	3,583,222
For animal feed .....	3,610,407	3,946,158	3,542,305
For edible protein products.....	41,379	42,579	40,917
Millfeed produced.....	247,786	280,766	253,395
<b>Refine</b>			
Crude oil processed in refining.....	1,288,769	1,425,415	1,317,633
Once refined oil produced .....	1,259,370	1,397,805	1,287,932
<b>Consumption</b>			
Crude oil removed for inedible use in processing .....	(D)	123,436	112,980
Once refined oil removed for use in processing.....	1,302,608	1,411,818	1,296,996
Removed for edible use in processing.....	1,023,705	1,035,898	960,476
Removed for inedible use in processing.....	278,903	375,920	336,520
<b>Stocks</b>			
Cake and meal on hand end of month.....	415,077	380,224	263,515
Millfeed on hand end of month .....	40,715	39,577	31,364
Crude oil on hand end of month .....	2,049,644	1,659,501	1,762,965
Crusher .....	928,514	795,882	851,704
Refiner .....	386,790	438,974	(D)
Offsite .....	734,340	424,645	(D)
Once refined oil on hand end of month.....	375,738	345,227	386,165

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

## Soybean Crushing – Regional: February 2019 with Comparisons

Region	Soybeans crushed		
	February 2018	January 2019	February 2019
	(tons)	(tons)	(tons)
Illinois .....	580,214	684,581	590,483
Iowa.....	1,009,213	1,141,744	1,018,700
North and East <sup>1</sup> .....	1,158,157	1,294,880	1,162,486
North Central <sup>2</sup> .....	668,153	730,058	633,558
South, West and Pacific <sup>3</sup> .....	663,164	696,362	645,697
West Central <sup>4</sup> .....	869,871	944,502	832,510

  

Region	Crude oil produced		
	February 2018	January 2019	February 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	227,300	269,325	237,892
Iowa.....	386,772	442,543	395,432
North and East <sup>1</sup> .....	442,392	502,921	444,840
North Central <sup>2</sup> .....	247,986	276,478	239,732
South, West and Pacific <sup>3</sup> .....	252,799	269,221	250,889
West Central <sup>4</sup> .....	332,592	355,311	330,411

  

Region	Crude oil stocks at crusher		
	February 2018	January 2019	February 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	151,934	129,645	136,407
Iowa.....	178,885	163,529	184,517
North and East <sup>1</sup> .....	207,498	199,748	217,638
North Central <sup>2</sup> .....	255,306	214,817	210,663
South, West and Pacific <sup>3</sup> .....	72,904	48,335	(D)
West Central <sup>4</sup> .....	61,987	39,808	(D)

  

Region	Cake and meal produced		
	February 2018	January 2019	February 2019
	(tons)	(tons)	(tons)
Illinois .....	420,801	486,990	422,969
Iowa.....	750,819	839,244	751,983
North and East <sup>1</sup> .....	855,836	940,010	848,293
North Central <sup>2</sup> .....	497,062	540,247	465,846
South, West and Pacific <sup>3</sup> .....	482,197	492,970	462,724
West Central <sup>4</sup> .....	645,071	689,276	631,407

  

Region	Cake and meal stocks		
	February 2018	January 2019	February 2019
	(tons)	(tons)	(tons)
Illinois .....	(D)	98,116	51,570
Iowa.....	52,236	45,253	35,373
North and East <sup>1</sup> .....	104,916	97,462	67,969
North Central <sup>2</sup> .....	67,739	36,196	34,125
South, West and Pacific <sup>3</sup> .....	81,746	52,825	42,847
West Central <sup>4</sup> .....	(D)	50,372	31,631

(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: February 2019  
with Comparisons**

Item	February 2018	January 2019	February 2019
<b>Canola</b>			
Crush			
Seeds crushed..... tons	151,591	162,631	136,421
Crude oil produced..... 1,000 pounds	128,363	135,572	115,595
Cake and meal produced..... tons	84,671	91,447	78,565
Refine			
Crude oil processed in refining..... 1,000 pounds	115,194	128,949	105,717
Once refined oil produced..... 1,000 pounds	112,078	124,273	102,151
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	133,776	138,584	138,636
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	(D)	100,172	97,983
Once refined oil on hand end of month..... 1,000 pounds	92,840	96,910	99,975
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	154,702	167,644	136,983
Crude oil produced..... 1,000 pounds	48,252	48,266	35,153
Cake and meal produced..... tons	71,963	79,973	66,168
Refine			
Crude oil processed in refining..... 1,000 pounds	50,576	51,521	38,224
Once refined oil produced..... 1,000 pounds	49,024	49,952	36,862
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	47,407	50,486	40,861
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	10,123	37,160	39,684
Crude oil on hand end of month..... 1,000 pounds	(D)	50,366	(D)
Once refined oil on hand end of month..... 1,000 pounds	57,187	27,101	28,123
<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	86,684	71,174	72,946
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	58,513	72,278	74,792
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	176,178	164,740	155,624
Refine			
Crude oil processed in refining..... 1,000 pounds	178,538	161,718	163,563
Once refined oil produced..... 1,000 pounds	174,979	158,040	160,120
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	175,109	161,002	150,957
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	80,105	36,552	49,983
Once refined oil on hand end of month..... 1,000 pounds	79,719	69,008	68,410

See footnote(s) at end of table.

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

Item	February 2018	January 2019	February 2019
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	19,996	24,336	23,452
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	94,057	64,755	65,708
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	189,231	193,109	186,593
Removed for edible use in processing .....1,000 pounds	182,093	184,988	178,992
Removed for inedible use in processing.....1,000 pounds	7,138	8,121	7,601
Stocks			
Once refined oil on hand end of month .....1,000 pounds	460,812	306,703	359,902
<b>Peanut</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	(D)	35,872	31,624
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	9,403	6,364	9,511
Once refined oil on hand end of month .....1,000 pounds	2,358	1,478	1,310
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	29,658	39,099	34,362
Once refined oil produced.....1,000 pounds	28,802	37,705	32,847
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 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	81,032	(D)	(D)
Once refined oil on hand end of month .....1,000 pounds	79,698	28,973	49,325
<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: February 2019 with Comparisons

Item	February 2018 (1,000 pounds)	January 2019 (1,000 pounds)	February 2019 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	113,874	111,538	128,757
Removed for inedible use.....	115,491	111,774	131,967
Stocks on hand end of month.....	8,902	10,066	7,744
<b>Feather meal</b>			
Production.....	96,893	69,738	74,032
Stocks on hand end of month.....	22,054	22,180	24,358
<b>Lard</b>			
Production.....	30,999	27,411	32,447
Removed for use in processing.....	30,407	26,208	31,001
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,214	13,951	13,901
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	501,428	444,106	543,565
Stocks on hand end of month.....	48,453	68,195	65,523
<b>Other grease</b>			
Production.....	54,730	28,590	43,621
Removed for inedible use in processing.....	49,231	27,296	57,485
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	210,959	165,702	160,304
Removed for inedible use in processing.....	210,416	163,682	157,363
Stocks on hand end of month.....	26,627	20,664	18,687
<b>Poultry by-product meals</b>			
Production.....	281,330	210,274	227,316
Stocks on hand end of month.....	70,807	46,442	51,618
<b>Tallow, edible</b>			
Production.....	86,836	67,184	91,754
Removed for use in processing.....	85,978	68,894	93,032
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)	31,498	20,480
<b>Tallow, inedible</b>			
Production.....	322,935	320,826	333,574
Removed for inedible use in processing.....	329,957	314,944	348,090
Stocks on hand end of month.....	101,210	111,568	98,695
<b>Tallow, technical</b>			
Production.....	110,000	111,519	119,829
Removed for inedible use in processing.....	118,335	124,691	129,290
Stocks on hand end of month.....	8,703	12,405	11,381
<b>Yellow grease</b>			
Production.....	167,040	173,406	206,658
Removed for inedible use in processing.....	173,538	164,632	203,453
Stocks on hand end of month.....	91,746	101,894	103,650

(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).

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James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans .....	(202) 690-3234
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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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