



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

ISSN: 2379-9862

---

Released October 1, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## Highlights

**July 2019** contained 31 days.

**August 2019** contained 31 days.

**Soybeans crushed** for crude oil was 5.33 million tons (178 million bushels) in August 2019, compared with 5.38 million tons (179 million bushels) in July 2019 and 5.09 million tons (170 million bushels) in August 2018. Crude oil produced was 2.05 billion pounds down 2 percent from July 2019 but up 5 percent from August 2018. Soybean once refined oil production at 1.52 billion pounds during August 2019 increased less than 1 percent from July 2019 and increased 5 percent from August 2018.

**Canola seeds crushed** for crude oil was 156,132 tons in August 2019, compared with 145,547 tons in July 2019 and 170,472 tons in August 2018. Canola crude oil produced was 126 million pounds, up 4 percent from July 2019 but down 9 percent from August 2018. Canola once refined oil production, at 72.8 million pounds during August 2019, was down 29 percent from July 2019 and down 34 percent from August 2018.

**Cottonseed once refined** oil production, at 39.6 million pounds during August 2019, was up 16 percent from July 2019 but down 13 percent from August 2018.

**Edible tallow** production was 87.2 million pounds during August 2019, up 8 percent from July 2019 but down 5 percent from August 2018. Inedible tallow production was 315 million pounds during August 2019, up 1 percent from July 2019 but down 5 percent from August 2018. Technical tallow production was 118.6 million pounds during August 2019, up 33 percent from July 2019 but down 1 percent from August 2018. Choice white grease production, at 107 million pounds during August 2019, increased 15 percent from July 2019 but decreased 5 percent from August 2018.

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

Item	August 2018	July 2019	August 2019
<b>Crush</b>			
Soybeans crushed ..... tons	5,088,884	5,383,896	5,325,880
Crude oil produced.....1,000 pounds	1,944,966	2,090,168	2,049,888
Cake and meal produced ..... tons	3,771,727	3,918,907	3,880,500
For animal feed ..... tons	3,724,433	3,872,856	3,831,182
For edible protein products..... tons	47,294	46,051	49,318
Millfeed produced..... tons	259,078	267,367	270,264
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,481,276	1,550,144	1,559,724
Once refined oil produced.....1,000 pounds	1,448,966	1,514,468	1,516,647
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	115,494	97,319	90,068
Once refined oil removed for use in processing.....1,000 pounds	1,533,052	1,602,979	1,569,905
Removed for edible use in processing.....1,000 pounds	1,177,211	1,131,172	1,142,855
Removed for inedible use in processing.....1,000 pounds	355,841	471,807	427,050
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	359,936	345,450	384,976
Millfeed on hand end of month ..... tons	41,117	39,762	48,338
Crude oil on hand end of month .....1,000 pounds	1,843,912	1,652,854	1,439,479
Crusher .....1,000 pounds	710,679	790,119	731,432
Refiner .....1,000 pounds	410,486	423,124	420,795
Offsite .....1,000 pounds	722,747	439,611	287,252
Once refined oil on hand end of month.....1,000 pounds	370,887	386,647	366,668

## Soybean Crushing – Regional: August 2019 with Comparisons

Region	Soybeans crushed		
	August 2018	July 2019	August 2019
	(tons)	(tons)	(tons)
Illinois .....	621,419	692,126	679,235
Iowa.....	1,120,453	1,104,400	1,014,706
North and East <sup>1</sup> .....	1,088,537	1,266,215	1,237,662
North Central <sup>2</sup> .....	698,118	766,908	829,756
South, West and Pacific <sup>3</sup> .....	700,209	645,223	656,385
West Central <sup>4</sup> .....	860,148	909,024	908,136
Region	Crude oil produced		
	August 2018	July 2019	August 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	242,869	277,064	270,644
Iowa.....	428,787	430,443	392,396
North and East <sup>1</sup> .....	417,576	490,886	470,079
North Central <sup>2</sup> .....	256,330	291,825	306,382
South, West and Pacific <sup>3</sup> .....	266,970	248,741	255,954
West Central <sup>4</sup> .....	332,434	351,209	354,433
Region	Crude oil stocks at crusher		
	August 2018	July 2019	August 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	100,081	(D)	(D)
Iowa.....	108,441	116,694	92,479
North and East <sup>1</sup> .....	155,776	199,453	167,717
North Central <sup>2</sup> .....	259,380	209,971	199,738
South, West and Pacific <sup>3</sup> .....	(D)	54,633	49,456
West Central <sup>4</sup> .....	(D)	(D)	(D)
Region	Cake and meal produced		
	August 2018	July 2019	August 2019
	(tons)	(tons)	(tons)
Illinois .....	452,477	493,459	491,362
Iowa.....	830,590	806,237	740,469
North and East <sup>1</sup> .....	810,788	919,601	900,203
North Central <sup>2</sup> .....	522,762	571,223	613,310
South, West and Pacific <sup>3</sup> .....	514,631	464,539	473,265
West Central <sup>4</sup> .....	640,479	663,848	661,891
Region	Cake and meal stocks		
	August 2018	July 2019	August 2019
	(tons)	(tons)	(tons)
Illinois .....	84,311	61,149	82,619
Iowa.....	67,701	67,871	43,254
North and East <sup>1</sup> .....	68,340	94,540	126,443
North Central <sup>2</sup> .....	26,380	32,820	29,698
South, West and Pacific <sup>3</sup> .....	67,240	48,088	52,002
West Central <sup>4</sup> .....	45,964	40,982	50,960

(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: August 2019  
with Comparisons**

Item	August 2018	July 2019	August 2019
<b>Canola</b>			
Crush			
Seeds crushed..... tons	170,472	145,547	156,132
Crude oil produced..... 1,000 pounds	139,345	121,974	126,475
Cake and meal produced..... tons	93,949	84,447	85,658
Refine			
Crude oil processed in refining..... 1,000 pounds	116,348	106,287	75,839
Once refined oil produced..... 1,000 pounds	110,749	102,407	72,802
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	153,134	143,445	114,735
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)	73,663	70,350
Once refined oil on hand end of month..... 1,000 pounds	110,219	84,217	89,807
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	177,900	96,586	132,991
Crude oil produced..... 1,000 pounds	49,724	24,978	34,377
Cake and meal produced..... tons	76,941	43,108	51,699
Refine			
Crude oil processed in refining..... 1,000 pounds	47,121	35,114	40,849
Once refined oil produced..... 1,000 pounds	45,625	33,981	39,573
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	53,071	37,448	44,740
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	35,732	39,228	40,074
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	32,500	19,094	18,203
<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	88,992	70,008	80,690
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	53,405	(D)	85,341
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	177,308	185,828	175,563
Refine			
Crude oil processed in refining..... 1,000 pounds	188,173	188,774	183,536
Once refined oil produced..... 1,000 pounds	183,051	183,005	178,099
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	184,387	195,499	178,049
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			
Crude oil on hand end of month..... 1,000 pounds	63,365	25,592	32,306
Once refined oil on hand end of month..... 1,000 pounds	56,317	39,559	49,527

See footnote(s) at end of table.

--continued

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

Item	August 2018	July 2019	August 2019
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	21,867	19,835	17,747
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	61,120	75,927	75,589
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	216,342	155,179	195,158
Removed for edible use in processing .....1,000 pounds	211,929	145,855	185,091
Removed for inedible use in processing.....1,000 pounds	4,413	9,324	10,067
Stocks			
Once refined oil on hand end of month .....1,000 pounds	273,104	380,453	338,324
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	29,053	23,249	33,112
Once refined oil produced.....1,000 pounds	27,913	21,671	31,783
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	26,067	25,691	32,079
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	62,775	23,625	22,955
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)	1,779	2,819
Once refined oil produced.....1,000 pounds	(D)	1,779	2,819
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)	4,971
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)	11,259	9,391
Once refined oil on hand end of month .....1,000 pounds	2,618	2,076	(D)
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	39,442	(D)	42,341
Once refined oil produced.....1,000 pounds	38,343	32,250	39,898
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)	42,714
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	45,298	43,191	32,010
Once refined oil on hand end of month .....1,000 pounds	35,912	18,086	25,967
<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)

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

## Animal Fats and Oils Production, Consumption and Stocks – United States: August 2019 with Comparisons

Item	August 2018 (1,000 pounds)	July 2019 (1,000 pounds)	August 2019 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	113,405	93,335	107,277
Removed for inedible use.....	112,653	93,752	105,231
Stocks on hand end of month.....	6,944	4,704	6,610
<b>Feather meal</b>			
Production.....	79,265	108,205	113,157
Stocks on hand end of month.....	23,271	28,200	29,091
<b>Lard</b>			
Production.....	28,313	23,645	30,142
Removed for use in processing.....	27,940	23,144	29,593
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	14,963	17,653	18,726
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	514,356	449,593	519,331
Stocks on hand end of month.....	71,194	56,271	69,101
<b>Other grease</b>			
Production.....	50,852	33,857	43,114
Removed for inedible use in processing.....	48,188	35,095	39,233
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	179,657	207,494	233,381
Removed for inedible use in processing.....	175,271	208,663	229,882
Stocks on hand end of month.....	23,939	26,600	30,156
<b>Poultry by-product meals</b>			
Production.....	234,360	273,933	293,603
Stocks on hand end of month.....	54,535	39,613	39,936
<b>Tallow, edible</b>			
Production.....	91,374	80,830	87,170
Removed for use in processing.....	87,570	85,045	95,539
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	34,148	18,299	16,329
<b>Tallow, inedible</b>			
Production.....	332,618	310,193	314,554
Removed for inedible use in processing.....	335,289	304,910	315,257
Stocks on hand end of month.....	102,239	90,339	89,548
<b>Tallow, technical</b>			
Production.....	120,008	89,509	118,603
Removed for inedible use in processing.....	125,231	97,182	129,950
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	187,474	177,868	185,547
Removed for inedible use in processing.....	176,826	185,451	178,071
Stocks on hand end of month.....	111,351	87,709	94,497

(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
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

## 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](http://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](http://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.
- 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@usda.gov](mailto: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](http://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](mailto:program.intake@usda.gov).