



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

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## Highlights

**June 2018** contained 30 days.

**July 2018** contained 31 days.

**Soybeans crushed** for crude oil was 5.37 million tons (179 million bushels) in July 2018, compared with 5.09 million tons (170 million bushels) in June 2018 and 4.67 million tons (156 million bushels) in July 2017. Crude oil produced was 2.04 billion pounds up 5 percent from June 2018 and up 13 percent from July 2017. Soybean once refined oil production at 1.43 billion pounds during July 2018 decreased slightly from June 2018 and decreased 4 percent from July 2017.

**Canola seeds crushed** for crude oil was 165,007 tons in July 2018, compared with 147,432 tons in June 2018 and 160,717 tons in July 2017. Canola crude oil produced was 150 million pounds up 15 percent from June 2018 and up 11 percent from July 2017. Canola once refined oil production at 137 million pounds during July 2018 was up 10 percent from June 2018 and up 18 percent from July 2017. Cottonseed once refined oil production at 42.3 million pounds during July 2018 was down 11 percent from June 2018 but up 8 percent from July 2017.

**Edible tallow** production was 75.9 million pounds during July 2018, down 7 percent from June 2018 but up 20 percent from July 2017. Inedible tallow production was 296 million pounds during July 2018, down 5 percent from June 2018 but up 10 percent from July 2017. Technical tallow production was 77.4 million pounds during July 2018, down 27 percent from June 2018 and down 1 percent from July 2017. Choice white grease production at 90.1 million pounds during July 2018 decreased 9 percent from June 2018 but increased 1 percent from July 2017.

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

Item	July 2017	June 2018	July 2018
<b>Crush</b>			
Soybeans crushed ..... tons	4,668,680	5,086,941	5,365,828
Crude oil produced.....1,000 pounds	1,801,376	1,936,907	2,043,323
Cake and meal produced ..... tons	3,400,652	3,778,127	3,979,120
For animal feed ..... tons	3,351,973	3,732,021	3,931,552
For edible protein products..... tons	48,679	46,106	47,568
Millfeed produced..... tons	237,432	254,192	265,562
<b>Refine</b>			
Crude oil processed in refining .....1,000 pounds	1,543,943	1,466,700	1,470,493
Once refined oil produced .....1,000 pounds	1,496,418	1,437,343	1,432,655
<b>Consumption</b>			
Crude oil removed for inedible use in processing .....1,000 pounds	108,145	140,802	(D)
Once refined oil removed for use in processing.....1,000 pounds	1,349,730	1,485,297	1,488,077
Removed for edible use in processing.....1,000 pounds	984,310	1,104,670	1,127,926
Removed for inedible use in processing.....1,000 pounds	365,420	380,627	360,151
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	385,868	359,823	462,350
Millfeed on hand end of month ..... tons	37,831	38,706	50,079
Crude oil on hand end of month .....1,000 pounds	1,627,909	1,933,152	1,983,666
Crusher .....1,000 pounds	719,632	833,122	755,820
Refiner .....1,000 pounds	369,289	331,493	446,947
Offsite .....1,000 pounds	538,988	768,537	780,899
Once refined oil on hand end of month.....1,000 pounds	372,589	371,656	399,935

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

## Soybean Crushing – Regional: July 2018 with Comparisons

Region	Soybeans crushed		
	July 2017	June 2018	July 2018
	(tons)	(tons)	(tons)
Illinois .....	562,340	584,300	634,379
Iowa .....	1,050,410	1,114,775	1,023,211
North and East <sup>1</sup> .....	1,021,984	1,130,569	1,298,210
North Central <sup>2</sup> .....	631,139	721,430	738,396
South, West and Pacific <sup>3</sup> .....	594,805	638,075	738,440
West Central <sup>4</sup> .....	808,002	897,792	933,192

  

Region	Crude oil produced		
	July 2017	June 2018	July 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	222,405	228,251	252,665
Iowa .....	399,199	426,733	389,920
North and East <sup>1</sup> .....	399,501	427,222	488,238
North Central <sup>2</sup> .....	242,369	268,434	272,751
South, West and Pacific <sup>3</sup> .....	226,519	242,674	280,812
West Central <sup>4</sup> .....	311,383	343,593	358,937

  

Region	Crude oil stocks at crusher		
	July 2017	June 2018	July 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	169,412	95,762	85,912
Iowa .....	147,673	142,779	130,235
North and East <sup>1</sup> .....	135,408	209,529	170,560
North Central <sup>2</sup> .....	196,186	292,798	276,475
South, West and Pacific <sup>3</sup> .....	45,687	50,722	48,544
West Central <sup>4</sup> .....	25,266	41,532	44,094

  

Region	Cake and meal produced		
	July 2017	June 2018	July 2018
	(tons)	(tons)	(tons)
Illinois .....	402,919	429,717	469,315
Iowa .....	764,091	828,824	761,117
North and East <sup>1</sup> .....	752,636	846,870	962,587
North Central <sup>2</sup> .....	463,724	535,519	552,303
South, West and Pacific <sup>3</sup> .....	427,193	467,505	541,487
West Central <sup>4</sup> .....	590,089	669,692	692,311

  

Region	Cake and meal stocks		
	July 2017	June 2018	July 2018
	(tons)	(tons)	(tons)
Illinois .....	51,264	57,052	100,907
Iowa .....	73,213	68,332	57,399
North and East <sup>1</sup> .....	91,445	100,865	125,930
North Central <sup>2</sup> .....	37,504	41,345	56,936
South, West and Pacific <sup>3</sup> .....	94,250	46,891	61,943
West Central <sup>4</sup> .....	38,192	45,338	59,235

<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: July 2018  
with Comparisons**

Item	July 2017	June 2018	July 2018
<b>Canola</b>			
Crush			
Seeds crushed..... tons	160,717	147,432	165,007
Crude oil produced..... 1,000 pounds	135,463	129,663	149,716
Cake and meal produced..... tons	91,111	82,787	97,758
Refine			
Crude oil processed in refining..... 1,000 pounds	118,480	128,341	140,859
Once refined oil produced..... 1,000 pounds	115,452	124,480	136,781
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	144,772	152,352	155,330
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	51,336	(D)	(D)
Crude oil on hand end of month..... 1,000 pounds	(D)	149,258	121,647
Once refined oil on hand end of month..... 1,000 pounds	82,269	77,254	83,321
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	131,260	156,503	137,822
Crude oil produced..... 1,000 pounds	36,000	46,280	39,854
Cake and meal produced..... tons	53,645	69,496	58,470
Refine			
Crude oil processed in refining..... 1,000 pounds	40,735	48,971	44,043
Once refined oil produced..... 1,000 pounds	39,141	47,313	42,320
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	51,001	48,342	50,619
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	39,993	29,621	26,787
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	65,685
Once refined oil on hand end of month..... 1,000 pounds	41,942	50,319	42,142
<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	53,956	78,146	55,449
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	52,403	57,827	59,632
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	198,703	179,310	189,707
Refine			
Crude oil processed in refining..... 1,000 pounds	186,090	174,592	216,248
Once refined oil produced..... 1,000 pounds	181,527	170,892	211,017
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	168,131	176,084	204,723
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	36,557	65,076	62,816
Once refined oil on hand end of month..... 1,000 pounds	77,583	44,700	45,393

See footnote(s) at end of table.

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

Item	July 2017	June 2018	July 2018
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	39,402	16,345	18,750
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	86,213	65,546	63,320
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	181,394	175,446	178,281
Removed for edible use in processing .....1,000 pounds	174,216	170,040	173,455
Removed for inedible use in processing.....1,000 pounds	7,178	5,406	4,826
Stocks			
Once refined oil on hand end of month .....1,000 pounds	387,174	265,778	294,427
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	25,318	26,970	(D)
Once refined oil produced.....1,000 pounds	23,468	25,182	(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	23,554	23,763	(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)	(D)	53,931
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	3,132	(D)	(D)
Once refined oil produced.....1,000 pounds	3,132	(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	4,274	(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)	8,226	8,770
Once refined oil on hand end of month .....1,000 pounds	(D)	3,119	2,585
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	40,516	33,680	45,633
Once refined oil produced.....1,000 pounds	38,671	31,855	42,484
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	41,745	(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	53,467	70,305	73,839
Once refined oil on hand end of month .....1,000 pounds	58,790	88,708	35,066
<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: July 2018  
with Comparisons**

Item	July 2017 (1,000 pounds)	June 2018 (1,000 pounds)	July 2018 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	88,859	99,298	90,095
Removed for inedible use.....	86,533	99,851	89,393
Stocks on hand end of month.....	7,684	7,308	8,010
<b>Feather meal</b>			
Production.....	86,983	81,704	92,155
Stocks on hand end of month.....	18,695	21,293	21,916
<b>Lard</b>			
Production.....	23,958	23,455	17,440
Removed for use in processing.....	24,025	22,182	17,441
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,035	17,704	12,425
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	445,531	482,620	452,032
Stocks on hand end of month.....	49,757	54,817	60,720
<b>Other grease</b>			
Production.....	65,428	47,148	42,667
Removed for inedible use in processing.....	65,854	45,300	42,247
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	189,241	209,629	199,346
Removed for inedible use in processing.....	180,872	206,789	195,636
Stocks on hand end of month.....	24,499	29,396	27,601
<b>Poultry by-product meals</b>			
Production.....	246,591	270,500	252,122
Stocks on hand end of month.....	58,370	63,925	59,596
<b>Tallow, edible</b>			
Production.....	63,405	82,012	75,896
Removed for use in processing.....	65,223	86,761	78,777
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	20,734	(D)	26,056
<b>Tallow, inedible</b>			
Production.....	269,553	310,869	296,252
Removed for inedible use in processing.....	240,844	315,570	279,891
Stocks on hand end of month.....	80,780	80,741	99,888
<b>Tallow, technical</b>			
Production.....	78,337	105,578	77,425
Removed for inedible use in processing.....	84,487	114,675	85,283
Stocks on hand end of month.....	(D)	11,100	(D)
<b>Yellow grease</b>			
Production.....	160,823	199,687	180,264
Removed for inedible use in processing.....	138,746	198,310	168,701
Stocks on hand end of month.....	92,934	89,375	100,706

(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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