



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

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## Highlights

**May 2018** contained 31 days.

**June 2018** contained 30 days.

**Soybeans crushed** for crude oil was 5.09 million tons (170 million bushels) in June 2018, compared to 5.17 million tons (172 million bushels) in May 2018 and 4.45 million tons (148 million bushels) in June 2017. Crude oil produced was 1.94 billion pounds down 2 percent from May 2018 but up 12 percent from June 2017. Soybean once refined oil production at 1.44 billion pounds during June 2018 decreased 2 percent from May 2018 but increased 6 percent from June 2017.

**Canola seeds crushed** for crude oil was 147 thousand tons in June 2018, compared to 131 thousand tons in May 2018 and 167 thousand tons in June 2017. Canola crude oil produced was 130 million pounds up 13 percent from May 2018 but down 6 percent from June 2017. Canola once refined oil production at 124 million pounds during June 2018 was up 48 percent from May 2018 and up 1 percent from June 2017. Cottonseed once refined oil production at 47.3 million pounds during June 2018 was down 7 percent from May 2018 but up 2 percent from June 2017.

**Edible tallow** production was 82.0 million pounds during June 2018, down 8 percent from May 2018 but up 16 percent from June 2017. Inedible tallow production was 311 million pounds during June 2018, down 5 percent from May 2018 but up 4 percent from June 2017. Technical tallow production was 106 million pounds during June 2018, down 3 percent from May 2018 but up 35 percent from June 2017. Choice white grease production at 99.3 million pounds during June 2018 decreased 13 percent from May 2018 and decreased 16 percent from June 2017.

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

Item	June 2017	May 2018	June 2018
<b>Crush</b>			
Soybeans crushed..... tons	4,446,863	5,174,040	5,086,941
Crude oil produced.....1,000 pounds	1,735,608	1,966,511	1,936,907
Cake and meal produced..... tons	3,268,397	3,846,687	3,778,127
For animal feed..... tons	3,216,471	3,802,225	3,732,021
For edible protein products..... tons	51,926	44,462	46,106
Millfeed produced..... tons	221,130	262,574	254,192
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,399,831	1,518,130	1,466,700
Once refined oil produced.....1,000 pounds	1,357,612	1,460,035	1,437,343
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	92,909	140,802
Once refined oil removed for use in processing.....1,000 pounds	1,370,353	1,531,290	1,485,297
Removed for edible use in processing.....1,000 pounds	1,110,610	1,218,228	1,104,670
Removed for inedible use in processing.....1,000 pounds	259,743	313,062	380,627
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	314,965	391,812	359,823
Millfeed on hand end of month..... tons	35,016	41,315	38,706
Crude oil on hand end of month.....1,000 pounds	1,815,157	2,002,934	1,933,152
Crusher.....1,000 pounds	798,790	834,579	833,122
Refiner.....1,000 pounds	426,570	458,395	331,493
Offsite.....1,000 pounds	589,797	709,960	768,537
Once refined oil on hand end of month.....1,000 pounds	327,721	371,127	371,656

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

## Soybean Crushing – Regional: June 2018 with Comparisons

Region	Soybeans crushed		
	June 2017	May 2018	June 2018
	(tons)	(tons)	(tons)
Illinois .....	479,908	618,675	584,300
Iowa.....	976,095	1,132,262	1,114,775
North and East <sup>1</sup> .....	1,042,782	1,214,147	1,130,569
North Central <sup>2</sup> .....	619,325	719,504	721,430
South, West and Pacific <sup>3</sup> .....	577,870	544,646	638,075
West Central <sup>4</sup> .....	750,883	944,806	897,792
Region	Crude oil produced		
	June 2017	May 2018	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	191,316	241,685	228,251
Iowa.....	374,006	433,983	426,733
North and East <sup>1</sup> .....	410,565	452,616	427,222
North Central <sup>2</sup> .....	247,719	265,717	268,434
South, West and Pacific <sup>3</sup> .....	223,833	207,778	242,674
West Central <sup>4</sup> .....	288,169	364,732	343,593
Region	Crude oil stocks at crusher		
	June 2017	May 2018	June 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	215,991	119,597	95,762
Iowa.....	156,463	139,987	142,779
North and East <sup>1</sup> .....	144,714	200,790	209,529
North Central <sup>2</sup> .....	212,203	269,989	292,798
South, West and Pacific <sup>3</sup> .....	47,723	53,995	50,722
West Central <sup>4</sup> .....	21,696	50,221	41,532
Region	Cake and meal produced		
	June 2017	May 2018	June 2018
	(tons)	(tons)	(tons)
Illinois .....	346,680	451,608	429,717
Iowa.....	723,630	844,719	828,824
North and East <sup>1</sup> .....	769,159	904,003	846,870
North Central <sup>2</sup> .....	458,784	543,481	535,519
South, West and Pacific <sup>3</sup> .....	423,696	399,668	467,505
West Central <sup>4</sup> .....	546,448	703,208	669,692
Region	Cake and meal stocks		
	June 2017	May 2018	June 2018
	(tons)	(tons)	(tons)
Illinois .....	49,924	81,209	57,052
Iowa.....	41,196	55,547	68,332
North and East <sup>1</sup> .....	85,505	114,294	100,865
North Central <sup>2</sup> .....	18,412	40,229	41,345
South, West and Pacific <sup>3</sup> .....	92,363	38,657	46,891
West Central <sup>4</sup> .....	27,565	61,876	45,338

<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: June 2018  
with Comparisons**

Item	June 2017	May 2018	June 2018
<b>Canola</b>			
Crush			
Seeds crushed..... tons	167,442	130,921	147,432
Crude oil produced..... 1,000 pounds	137,528	115,066	129,663
Cake and meal produced..... tons	97,232	73,353	82,787
Refine			
Crude oil processed in refining..... 1,000 pounds	126,836	86,730	128,341
Once refined oil produced..... 1,000 pounds	123,762	84,077	124,480
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	131,335	137,145	152,352
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	224,425	181,168	149,258
Once refined oil on hand end of month..... 1,000 pounds	77,373	81,122	77,254
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	144,120	166,300	156,503
Crude oil produced..... 1,000 pounds	43,706	49,346	46,280
Cake and meal produced..... tons	67,134	70,946	69,496
Refine			
Crude oil processed in refining..... 1,000 pounds	47,933	52,426	48,971
Once refined oil produced..... 1,000 pounds	46,380	50,637	47,313
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	42,694	58,025	48,342
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	46,580	21,899	29,621
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	49,430	49,740	50,319
<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	78,350	57,717	78,146
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	55,960	60,090	57,827
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	178,284	172,186	179,310
Refine			
Crude oil processed in refining..... 1,000 pounds	179,796	200,211	174,592
Once refined oil produced..... 1,000 pounds	175,656	195,342	170,892
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	174,744	205,840	176,084
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	25,996	59,499	65,076
Once refined oil on hand end of month..... 1,000 pounds	65,425	52,021	44,700

See footnote(s) at end of table.

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

Item	June 2017	May 2018	June 2018
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	23,064	33,039	16,345
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	94,369	73,450	65,546
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	194,406	198,080	175,446
Removed for edible use in processing .....1,000 pounds	182,226	189,898	170,040
Removed for inedible use in processing.....1,000 pounds	12,180	8,182	5,406
Stocks			
Once refined oil on hand end of month .....1,000 pounds	359,354	412,729	265,778
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	20,758	26,970
Once refined oil produced.....1,000 pounds	(D)	19,814	25,182
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)	20,530	23,763
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	34,173	(D)	(D)
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)	-	-
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	8,060	10,913	8,226
Once refined oil on hand end of month .....1,000 pounds	(D)	(D)	3,119
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	50,677	32,091	33,680
Once refined oil produced.....1,000 pounds	48,179	30,541	31,855
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	841	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	44,816	(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	74,811	80,879	70,305
Once refined oil on hand end of month .....1,000 pounds	49,213	95,138	88,708
<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: June 2018 with Comparisons

Item	June 2017 (1,000 pounds)	May 2018 (1,000 pounds)	June 2018 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	118,168	113,594	99,298
Removed for inedible use.....	116,019	112,703	99,851
Stocks on hand end of month.....	6,357	7,860	7,308
<b>Feather meal</b>			
Production.....	94,995	99,524	81,704
Stocks on hand end of month.....	19,494	24,002	21,293
<b>Lard</b>			
Production.....	27,305	29,882	23,455
Removed for use in processing.....	29,299	28,202	22,182
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,899	19,567	17,704
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	490,202	469,509	482,620
Stocks on hand end of month.....	49,102	49,251	54,817
<b>Other grease</b>			
Production.....	69,202	55,596	47,148
Removed for inedible use in processing.....	67,884	51,797	45,300
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	208,662	214,202	209,629
Removed for inedible use in processing.....	195,666	211,414	206,789
Stocks on hand end of month.....	25,883	26,336	29,396
<b>Poultry by-product meals</b>			
Production.....	269,251	280,341	270,500
Stocks on hand end of month.....	43,118	74,189	63,925
<b>Tallow, edible</b>			
Production.....	70,642	88,666	82,012
Removed for use in processing.....	71,893	90,813	86,761
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	21,676	48,405	(D)
<b>Tallow, inedible</b>			
Production.....	297,590	328,252	310,869
Removed for inedible use in processing.....	275,042	335,428	315,570
Stocks on hand end of month.....	75,152	85,193	80,741
<b>Tallow, technical</b>			
Production.....	78,476	108,719	105,578
Removed for inedible use in processing.....	89,949	115,393	114,675
Stocks on hand end of month.....	(D)	(D)	11,100
<b>Yellow grease</b>			
Production.....	183,953	186,554	199,687
Removed for inedible use in processing.....	164,839	192,678	198,310
Stocks on hand end of month.....	85,383	88,198	89,375

(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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