



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

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## Highlights

**August 2020** contained 31 days.

**September 2020** contained 30 days.

**Soybeans crushed** for crude oil was 5.13 million tons (171 million bushels) in September 2020, compared with 5.24 million tons (175 million bushels) in August 2020 and 4.87 million tons (162 million bushels) in September 2019. Crude oil produced was 1.97 billion pounds down 2 percent from August 2020 but up 4 percent from September 2019. Soybean once refined oil production at 1.50 billion pounds during September 2020 decreased 4 percent from August 2020 but increased 6 percent from September 2019.

**Canola seeds crushed** for crude oil was 208,338 tons in September 2020, compared with 202,580 tons in August 2020 and 163,321 tons in September 2019. Canola crude oil produced was 174 million pounds, up 2 percent from August 2020 and up 30 percent from September 2019. Canola once refined oil production, at 164 million pounds during September 2020, was up 30 percent from August 2020 and up 37 percent from September 2019.

**Cottonseed once refined** oil production, at 37.6 million pounds during September 2020, was down 4 percent from August 2020 and down 8 percent from September 2019.

**Edible tallow** production was 90.1 million pounds during September 2020, down 1 percent from August 2020 but up 24 percent from September 2019. Inedible tallow production was 328 million pounds during September 2020, up 1 percent from August 2020 and up 10 percent from September 2019. Technical tallow production was 133 million pounds during September 2020, down less than 1 percent from August 2020 but up 40 percent from September 2019. Choice white grease production, at 106 million pounds during September 2020, increased 1 percent from August 2020 but decreased 1 percent from September 2019.

**Soybean Crushing, Production, Consumption and Stocks – United States: September 2020  
with Comparisons**

Item	September 2019	August 2020	September 2020
<b>Crush</b>			
Soybeans crushed..... tons	4,870,034	5,240,230	5,131,665
Crude oil produced .....1,000 pounds	1,900,668	2,012,823	1,967,621
Cake and meal produced..... tons	3,553,484	3,851,205	3,754,168
For animal feed..... tons	3,514,472	3,805,984	3,704,259
For edible protein products..... tons	39,012	45,221	49,909
Millfeed produced..... tons	246,065	260,540	255,248
<b>Refine</b>			
Crude oil processed in refining .....1,000 pounds	1,448,211	1,595,920	1,531,074
Once refined oil produced.....1,000 pounds	1,412,136	1,555,437	1,496,712
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	82,646	119,840	134,972
Once refined oil removed for use in processing .....1,000 pounds	1,493,955	1,605,812	1,564,267
Removed for edible use in processing.....1,000 pounds	1,067,450	1,164,694	1,126,090
Removed for inedible use in processing.....1,000 pounds	426,505	441,118	438,177
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	360,387	388,138	312,944
Millfeed on hand end of month..... tons	41,628	32,959	28,392
Crude oil on hand end of month .....1,000 pounds	1,400,569	1,572,483	1,503,344
Crusher.....1,000 pounds	697,669	653,157	600,806
Refiner.....1,000 pounds	410,770	322,528	328,136
Offsite.....1,000 pounds	292,130	596,798	574,402
Once refined oil on hand end of month .....1,000 pounds	374,747	369,479	345,186

## Soybean Crushing – Regional: September 2020 with Comparisons

Region	Soybeans crushed		
	September 2019	August 2020	September 2020
	(tons)	(tons)	(tons)
Illinois .....	525,265	683,793	596,321
Iowa .....	1,094,919	1,100,944	1,129,883
North and East <sup>1</sup> .....	1,226,240	1,136,320	1,197,052
North Central <sup>2</sup> .....	749,420	850,283	785,032
South, West and Pacific <sup>3</sup> .....	543,194	528,476	582,097
West Central <sup>4</sup> .....	730,996	940,414	841,280
Region	Crude oil produced		
	September 2019	August 2020	September 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	214,278	270,562	234,411
Iowa .....	425,524	420,085	435,255
North and East <sup>1</sup> .....	477,829	446,338	459,483
North Central <sup>2</sup> .....	287,618	311,733	288,812
South, West and Pacific <sup>3</sup> .....	212,573	202,368	225,880
West Central <sup>4</sup> .....	282,846	361,737	323,780
Region	Crude oil stocks at crusher		
	September 2019	August 2020	September 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	123,925	111,723	70,521
Iowa .....	101,846	102,529	98,426
North and East <sup>1</sup> .....	168,120	151,241	128,751
North Central <sup>2</sup> .....	214,666	164,829	145,079
South, West and Pacific <sup>3</sup> .....	48,371	40,970	57,438
West Central <sup>4</sup> .....	40,741	81,865	100,591
Region	Cake and meal produced		
	September 2019	August 2020	September 2020
	(tons)	(tons)	(tons)
Illinois .....	372,228	494,121	428,802
Iowa .....	808,327	808,546	827,995
North and East <sup>1</sup> .....	891,792	843,230	873,751
North Central <sup>2</sup> .....	549,555	628,144	581,941
South, West and Pacific <sup>3</sup> .....	392,077	382,736	424,571
West Central <sup>4</sup> .....	539,505	694,428	617,108
Region	Cake and meal stocks		
	September 2019	August 2020	September 2020
	(tons)	(tons)	(tons)
Illinois .....	69,794	79,781	(D)
Iowa .....	49,610	56,515	30,215
North and East <sup>1</sup> .....	81,633	86,188	91,693
North Central <sup>2</sup> .....	49,400	73,354	57,606
South, West and Pacific <sup>3</sup> .....	49,050	34,550	20,300
West Central <sup>4</sup> .....	60,900	57,750	(D)

(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: September 2020  
with Comparisons**

Item	September 2019	August 2020	September 2020
<b>Canola</b>			
Crush			
Seeds crushed..... tons	163,321	202,580	208,338
Crude oil produced .....1,000 pounds	134,207	171,519	174,436
Cake and meal produced..... tons	91,758	115,606	121,434
Refine			
Crude oil processed in refining .....1,000 pounds	124,663	131,124	169,510
Once refined oil produced.....1,000 pounds	119,864	125,964	163,924
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	144,417	162,105	174,345
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			
Cake and meal on hand end of month ..... tons	(D)	25,292	42,075
Crude oil on hand end of month .....1,000 pounds	63,428	53,405	39,855
Once refined oil on hand end of month .....1,000 pounds	94,502	98,512	92,021
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	132,202	138,562	148,955
Crude oil produced .....1,000 pounds	35,425	38,257	37,705
Cake and meal produced..... tons	56,536	61,290	61,105
Refine			
Crude oil processed in refining .....1,000 pounds	42,085	40,587	38,576
Once refined oil produced.....1,000 pounds	40,728	39,340	37,592
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	38,362	48,280	39,718
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	43,000	23,827	24,872
Crude oil on hand end of month .....1,000 pounds	15,140	15,906	(D)
Once refined oil on hand end of month .....1,000 pounds	19,901	30,035	28,538
<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	73,222	56,699	62,021
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)	70,659	60,283
Once refined oil on hand end of month .....1,000 pounds	104,741	(D)	(D)
<b>Corn</b>			
Crush			
Crude oil produced .....1,000 pounds	168,245	163,964	158,100
Refine			
Crude oil processed in refining .....1,000 pounds	171,439	153,795	162,083
Once refined oil produced.....1,000 pounds	166,320	148,511	156,064
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	167,055	147,954	143,522
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	45,397	52,995	48,703
Once refined oil on hand end of month .....1,000 pounds	36,208	36,011	53,292

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: September 2020  
with Comparisons (continued)**

Item	September 2019	August 2020	September 2020
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	19,961	37,943	45,952
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	73,298	81,265	72,289
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	215,056	245,568	237,079
Removed for edible use in processing ..... 1,000 pounds	204,457	238,854	231,220
Removed for inedible use in processing..... 1,000 pounds	10,599	6,714	5,859
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	343,574	401,547	377,582
<b>Peanut</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	33,907	28,411	26,279
Once refined oil produced..... 1,000 pounds	32,342	26,412	24,096
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	33,278	27,347	22,711
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	17,986	(D)	24,993
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	3,029	5,292	3,472
Once refined oil produced..... 1,000 pounds	3,029	5,183	3,401
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	4,633	4,074	4,895
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	4,923	(D)	3,409
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
<b>Sunflower</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	42,907	28,634	36,337
Once refined oil produced..... 1,000 pounds	40,298	27,788	36,124
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	34,462	32,085	32,377
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	19,478	35,766	33,829
Once refined oil on hand end of month..... 1,000 pounds	22,053	12,306	14,133
<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: September 2020  
with Comparisons**

Item	September 2019 (1,000 pounds)	August 2020 (1,000 pounds)	September 2020 (1,000 pounds)
<b>Choice white grease</b>			
Production .....	106,205	104,807	105,618
Removed for inedible use .....	105,495	103,034	106,395
Stocks on hand end of month .....	7,170	10,100	9,317
<b>Feather meal</b>			
Production .....	99,985	107,198	108,896
Stocks on hand end of month .....	24,864	23,132	26,915
<b>Lard</b>			
Production .....	25,735	24,079	24,641
Removed for use in processing .....	25,484	22,554	28,742
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month .....	16,442	10,972	6,644
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production .....	485,260	471,223	501,547
Stocks on hand end of month .....	65,793	64,844	68,587
<b>Other grease</b>			
Production .....	32,949	41,693	41,658
Removed for inedible use in processing .....	32,647	39,700	43,021
Stocks on hand end of month .....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production .....	212,829	225,399	237,473
Removed for inedible use in processing .....	214,586	221,576	238,683
Stocks on hand end of month .....	28,511	35,376	34,166
<b>Poultry by-product meals</b>			
Production .....	282,934	307,523	316,491
Stocks on hand end of month .....	36,148	50,020	46,057
<b>Tallow, edible</b>			
Production .....	72,593	91,330	90,142
Removed for use in processing .....	78,265	78,992	92,794
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month .....	16,960	(D)	(D)
<b>Tallow, inedible</b>			
Production .....	299,506	324,407	328,260
Removed for inedible use in processing .....	291,256	325,878	330,149
Stocks on hand end of month .....	97,593	96,196	93,602
<b>Tallow, technical</b>			
Production .....	94,926	132,955	132,756
Removed for inedible use in processing .....	104,176	134,788	135,179
Stocks on hand end of month .....	8,152	(D)	(D)
<b>Yellow grease</b>			
Production .....	188,992	171,785	188,671
Removed for inedible use in processing .....	182,653	160,004	185,259
Stocks on hand end of month .....	100,865	90,391	93,843

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

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Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-2127
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- Cornell’s Mann Library has launched a new website housing NASS’s and other agencies 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).

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