



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

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## Highlights

**October 2020** contained 31 days.

**November 2020** contained 30 days.

**Soybeans crushed** for crude oil was 5.73 million tons (191 million bushels) in November 2020, compared with 5.90 million tons (197 million bushels) in October 2020 and 5.24 million tons (175 million bushels) in November 2019. Crude oil produced was 2.21 billion pounds down 3 percent from October 2020 but up 10 percent from November 2019. Soybean once refined oil production at 1.52 billion pounds during November 2020 decreased 4 percent from October 2020 but increased 12 percent from November 2019.

**Canola seeds crushed** for crude oil was 207,700 tons in November 2020, compared with 215,878 tons in October 2020 and 152,430 tons in November 2019. Canola crude oil produced was 174 million pounds, down 3 percent from October 2020 but up 37 percent from November 2019. Canola once refined oil production, at 147 million pounds during November 2020, was down 5 percent from October 2020 but up 53 percent from November 2019.

**Cottonseed once refined** oil production, at 44.1 million pounds during November 2020, was up 4 percent from October 2020 and up 7 percent from November 2019.

**Edible tallow** production was 82.6 million pounds during November 2020, up 32 percent from October 2020 but down 9 percent from November 2019. Inedible tallow production was 279 million pounds during November 2020, up 10 percent from October 2020 but down 18 percent from November 2019. Technical tallow production was 97.1 million pounds during November 2020, up 1 percent from October 2020 but down 18 percent from November 2019. Choice white grease production, at 117 million pounds during November 2020, increased 21 percent from October 2020 but decreased 4 percent from November 2019.

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

Item	November 2019	October 2020	November 2020
<b>Crush</b>			
Soybeans crushed .....	5,239,452	5,897,079	5,731,207
Crude oil produced.....	1,999,648	2,282,471	2,206,792
Cake and meal produced .....	3,855,827	4,335,054	4,230,274
For animal feed .....	3,813,221	4,289,031	4,191,026
For edible protein products.....	42,606	46,023	39,248
Millfeed produced.....	255,945	280,538	286,020
<b>Refine</b>			
Crude oil processed in refining.....	1,397,170	1,629,314	1,553,431
Once refined oil produced .....	1,362,343	1,589,296	1,519,017
<b>Consumption</b>			
Crude oil removed for inedible use in processing .....	106,331	113,410	135,477
Once refined oil removed for use in processing.....	1,400,401	1,604,862	1,579,588
Removed for edible use in processing.....	1,013,344	1,180,758	1,119,312
Removed for inedible use in processing .....	387,057	424,104	460,276
<b>Stocks</b>			
Cake and meal on hand end of month.....	426,332	342,914	415,107
Millfeed on hand end of month .....	41,081	31,285	43,310
Crude oil on hand end of month .....	1,522,923	1,564,319	1,685,131
Crusher .....	739,832	689,025	760,165
Refiner .....	392,630	288,339	267,253
Offsite .....	390,461	586,955	657,713
Once refined oil on hand end of month.....	357,435	399,547	432,562

## Soybean Crushing – Regional: November 2020 with Comparisons

Region	Soybeans crushed		
	November 2019	October 2020	November 2020
	(tons)	(tons)	(tons)
Illinois .....	613,808	701,837	699,518
Iowa.....	1,040,264	1,179,232	1,161,457
North and East <sup>1</sup> .....	1,227,011	1,353,433	1,258,202
North Central <sup>2</sup> .....	775,266	945,362	930,684
South, West and Pacific <sup>3</sup> .....	653,676	736,784	737,323
West Central <sup>4</sup> .....	929,427	980,431	944,023
Region	Crude oil produced		
	November 2019	October 2020	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	234,749	273,528	269,901
Iowa.....	397,636	465,886	460,839
North and East <sup>1</sup> .....	467,445	518,764	481,274
North Central <sup>2</sup> .....	290,754	357,605	352,779
South, West and Pacific <sup>3</sup> .....	252,658	287,805	280,184
West Central <sup>4</sup> .....	356,406	378,883	361,815
Region	Crude oil stocks at crusher		
	November 2019	October 2020	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	117,153	85,740	97,961
Iowa.....	150,248	118,238	123,657
North and East <sup>1</sup> .....	193,446	155,644	169,071
North Central <sup>2</sup> .....	176,423	167,485	191,475
South, West and Pacific <sup>3</sup> .....	62,768	50,435	55,360
West Central <sup>4</sup> .....	39,794	111,483	122,641
Region	Cake and meal produced		
	November 2019	October 2020	November 2020
	(tons)	(tons)	(tons)
Illinois .....	447,210	508,750	509,635
Iowa.....	767,357	865,397	863,830
North and East <sup>1</sup> .....	903,978	988,468	933,354
North Central <sup>2</sup> .....	570,693	706,839	690,980
South, West and Pacific <sup>3</sup> .....	476,279	539,615	534,223
West Central <sup>4</sup> .....	690,310	725,985	698,252
Region	Cake and meal stocks		
	November 2019	October 2020	November 2020
	(tons)	(tons)	(tons)
Illinois .....	88,658	67,835	87,937
Iowa.....	62,898	57,555	60,490
North and East <sup>1</sup> .....	110,754	70,234	93,138
North Central <sup>2</sup> .....	51,934	56,982	66,881
South, West and Pacific <sup>3</sup> .....	70,733	(D)	59,920
West Central <sup>4</sup> .....	41,355	(D)	46,741

(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: November 2020  
with Comparisons**

Item	November 2019	October 2020	November 2020
<b>Canola</b>			
Crush			
Seeds crushed..... tons	152,430	215,878	207,700
Crude oil produced..... 1,000 pounds	126,680	179,038	173,513
Cake and meal produced..... tons	85,255	123,169	117,446
Refine			
Crude oil processed in refining..... 1,000 pounds	99,526	159,030	152,242
Once refined oil produced..... 1,000 pounds	96,258	154,477	146,857
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	159,520	172,382	154,278
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)	33,734	67,565
Crude oil on hand end of month..... 1,000 pounds	39,937	57,142	56,250
Once refined oil on hand end of month..... 1,000 pounds	101,435	93,198	74,280
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	166,802	141,299	142,892
Crude oil produced..... 1,000 pounds	46,501	40,744	38,619
Cake and meal produced..... tons	83,584	64,119	62,962
Refine			
Crude oil processed in refining..... 1,000 pounds	42,460	43,771	45,649
Once refined oil produced..... 1,000 pounds	41,245	42,457	44,106
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	36,762	46,724	36,494
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	37,279	24,069	18,951
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	28,744	26,305	35,014
<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	75,105	61,348	61,561
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)	58,796	52,908
Once refined oil on hand end of month..... 1,000 pounds	160,168	70,298	65,017
<b>Corn</b>			
Crush			
Crude oil produced..... 1,000 pounds	184,240	167,262	173,425
Refine			
Crude oil processed in refining..... 1,000 pounds	165,650	159,689	153,674
Once refined oil produced..... 1,000 pounds	160,858	154,065	148,637
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	166,129	129,659	132,533
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	29,096	51,473	64,679
Once refined oil on hand end of month..... 1,000 pounds	35,207	52,677	60,800

See footnote(s) at end of table.

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

Item	November 2019	October 2020	November 2020
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	18,990	62,643	59,200
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	69,665	96,637	93,981
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	187,136	257,716	233,528
Removed for edible use in processing .....1,000 pounds	181,093	245,336	227,421
Removed for inedible use in processing.....1,000 pounds	6,043	12,380	6,107
Stocks			
Once refined oil on hand end of month .....1,000 pounds	349,978	334,787	297,246
<b>Peanut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	39,415	33,547
Once refined oil produced.....1,000 pounds	(D)	37,975	31,457
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	29,409	35,875	35,787
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	10,489	7,440	11,700
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	5,239	4,454	4,000
Once refined oil produced.....1,000 pounds	5,161	4,363	4,071
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	5,919	3,904	4,306
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	6,680	5,887	8,968
Once refined oil on hand end of month .....1,000 pounds	2,391	(D)	1,726
<b>Sunflower</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	60,201	56,477	56,084
Once refined oil produced.....1,000 pounds	56,939	55,623	54,526
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	40,678	42,340	44,156
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	27,089	33,468	36,180
Once refined oil on hand end of month .....1,000 pounds	22,107	19,194	21,718
<b>Vegetable foos, 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: November 2020 with Comparisons

Item	November 2019	October 2020	November 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
<b>Choice white grease</b>			
Production.....	121,381	96,576	116,917
Removed for inedible use.....	119,349	94,307	115,358
Stocks on hand end of month.....	8,412	11,586	13,145
<b>Feather meal</b>			
Production.....	108,150	99,801	106,956
Stocks on hand end of month.....	31,085	26,098	25,515
<b>Lard</b>			
Production.....	35,471	24,052	26,652
Removed for use in processing.....	39,556	21,459	27,865
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	6,936	(D)	6,319
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	503,574	411,103	468,428
Stocks on hand end of month.....	81,020	68,579	69,324
<b>Other grease</b>			
Production.....	36,231	35,938	35,378
Removed for inedible use in processing.....	37,306	38,357	36,308
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	214,436	209,067	216,160
Removed for inedible use in processing.....	216,413	212,259	218,693
Stocks on hand end of month.....	24,463	30,974	28,441
<b>Poultry by-product meals</b>			
Production.....	334,032	281,576	303,464
Stocks on hand end of month.....	37,038	43,748	38,541
<b>Tallow, edible</b>			
Production.....	90,273	62,801	82,585
Removed for use in processing.....	103,440	63,866	80,116
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,578	(D)	23,283
<b>Tallow, inedible</b>			
Production.....	340,603	254,285	279,307
Removed for inedible use in processing.....	338,884	250,299	280,313
Stocks on hand end of month.....	105,168	97,587	(D)
<b>Tallow, technical</b>			
Production.....	118,257	96,225	97,134
Removed for inedible use in processing.....	125,901	94,454	97,398
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	164,352	178,423	172,894
Removed for inedible use in processing.....	178,363	192,088	166,316
Stocks on hand end of month.....	93,289	80,733	86,732

(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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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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