



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

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## Highlights

**December 2021** contained 31 days.

**January 2022** contained 31 days.

**Soybeans crushed** for crude oil was 5.83 million tons (194 million bushels) in January 2022, compared with 5.95 million tons (198 million bushels) in December 2021 and 5.90 million tons (197 million bushels) in January 2021. Crude oil produced was 2.28 billion pounds down 2 percent from December 2021 and down 1 percent from January 2021. Soybean once refined oil production at 1.59 billion pounds during January 2022 decreased 3 percent from December 2021 but increased less than 1 percent from January 2021.

**Canola seeds crushed** for crude oil was 136,632 tons in January 2022, compared with 176,931 tons in December 2021 and 186,114 tons in January 2021. Canola crude oil produced was 113 million pounds, down 20 percent from December 2021 and down 28 percent from January 2021. Canola once refined oil production, at 123 million pounds during January 2022, was down 17 percent from December 2021 and down 11 percent from January 2021.

**Cottonseed once refined** oil production, at 39.4 million pounds during January 2022, was down 26 percent from December 2021 and down 1 percent from January 2021.

**Edible tallow** production was 70.6 million pounds during January 2022, up 6 percent from December 2021 but down 3 percent from January 2021. Inedible tallow production was 263 million pounds during January 2022, down 8 percent from December 2021 and down 2 percent from January 2021. Technical tallow production was 92.8 million pounds during January 2022, down 10 percent from December 2021 but up 5 percent from January 2021. Choice white grease production, at 109 million pounds during January 2022, decreased 11 percent from December 2021 and decreased 2 percent from January 2021.

## Soybean Crushing, Production, Consumption and Stocks – United States: January 2022 with Comparisons

Item	January 2021	December 2022	January 2022
<b>Crush</b>			
Soybeans crushed..... tons	5,895,360	5,947,222	5,828,974
Crude oil produced.....1,000 pounds	2,308,752	2,324,183	2,277,355
Cake and meal produced..... tons	4,353,068	4,322,245	4,231,017
For animal feed..... tons	4,294,634	4,268,957	4,171,189
For edible protein products..... tons	58,434	53,288	59,828
Millfeed produced..... tons	312,586	307,307	302,136
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,620,678	1,673,573	1,628,044
Once refined oil produced.....1,000 pounds	1,587,925	1,640,109	1,590,136
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	109,089	177,666	180,564
Once refined oil removed for use in processing.....1,000 pounds	1,559,029	1,677,093	1,629,619
Removed for edible use in processing.....1,000 pounds	1,147,158	1,226,483	1,208,150
Removed for inedible use in processing.....1,000 pounds	411,871	450,610	421,469
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	512,396	372,832	396,462
Millfeed on hand end of month..... tons	43,408	38,477	34,292
Crude oil on hand end of month.....1,000 pounds	1,882,069	2,035,694	2,113,724
Crusher.....1,000 pounds	915,444	954,641	957,236
Refiner.....1,000 pounds	287,889	341,872	372,831
Offsite.....1,000 pounds	678,736	739,181	783,657
Once refined oil on hand end of month.....1,000 pounds	423,922	430,197	386,200

## Soybean Crushing – Regional: January 2022 with Comparisons

Region	Soybeans crushed		
	January 2021	December 2022	January 2022
	(tons)	(tons)	(tons)
Illinois .....	687,830	690,990	679,959
Iowa.....	1,208,731	1,224,279	1,151,328
North and East <sup>1</sup> .....	1,317,875	1,340,409	1,353,371
North Central <sup>2</sup> .....	960,834	988,790	935,755
South, West and Pacific <sup>3</sup> .....	745,378	686,568	711,507
West Central <sup>4</sup> .....	974,712	1,016,186	997,054
Region	Crude oil produced		
	January 2021	December 2022	January 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	268,997	266,247	268,621
Iowa.....	481,259	479,965	452,387
North and East <sup>1</sup> .....	512,987	513,178	520,105
North Central <sup>2</sup> .....	374,035	388,266	366,007
South, West and Pacific <sup>3</sup> .....	281,129	266,050	273,533
West Central <sup>4</sup> .....	390,345	410,477	396,702
Region	Crude oil stocks at crusher		
	January 2021	December 2022	January 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	160,382	111,914	116,762
Iowa.....	150,240	152,785	186,959
North and East <sup>1</sup> .....	211,885	276,807	238,844
North Central <sup>2</sup> .....	217,147	214,737	224,045
South, West and Pacific <sup>3</sup> .....	60,877	62,900	61,372
West Central <sup>4</sup> .....	114,913	135,498	129,254
Region	Cake and meal produced		
	January 2021	December 2022	January 2022
	(tons)	(tons)	(tons)
Illinois .....	504,380	489,734	489,334
Iowa.....	893,538	896,068	846,014
North and East <sup>1</sup> .....	974,209	973,831	978,036
North Central <sup>2</sup> .....	716,110	722,433	674,473
South, West and Pacific <sup>3</sup> .....	545,471	495,221	509,587
West Central <sup>4</sup> .....	719,360	744,958	733,573
Region	Cake and meal stocks		
	January 2021	December 2022	January 2022
	(tons)	(tons)	(tons)
Illinois .....	100,435	67,919	59,751
Iowa.....	71,100	50,962	43,976
North and East <sup>1</sup> .....	131,145	105,010	126,846
North Central <sup>2</sup> .....	83,151	58,676	60,049
South, West and Pacific <sup>3</sup> .....	64,494	31,308	62,377
West Central <sup>4</sup> .....	62,071	58,957	43,463

<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: January 2022 with Comparisons**

Item	January 2021	December 2022	January 2022
<b>Canola</b>			
Crush			
Seeds crushed..... tons	186,114	176,931	136,632
Crude oil produced.....1,000 pounds	156,818	140,696	113,003
Cake and meal produced..... tons	105,473	102,961	84,790
Refine			
Crude oil processed in refining.....1,000 pounds	142,925	152,553	126,895
Once refined oil produced.....1,000 pounds	137,882	148,163	123,268
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	143,157	143,856	131,627
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	34,394	(D)	35,330
Crude oil on hand end of month.....1,000 pounds	67,096	39,951	35,248
Once refined oil on hand end of month.....1,000 pounds	117,918	99,220	90,021
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	139,266	147,664	137,324
Crude oil produced.....1,000 pounds	37,848	41,365	36,453
Cake and meal produced..... tons	59,258	62,493	60,587
Refine			
Crude oil processed in refining.....1,000 pounds	41,233	54,528	40,408
Once refined oil produced.....1,000 pounds	39,883	53,078	39,382
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	38,392	46,222	44,859
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	13,461	33,667	23,122
Crude oil on hand end of month.....1,000 pounds	24,104	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	26,047	23,275	22,857
<b>Coconut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	(D)	36,914
Once refined oil produced.....1,000 pounds	(D)	(D)	36,427
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	47,191	67,083	48,797
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	69,352	78,947	90,889
Once refined oil on hand end of month.....1,000 pounds	50,295	(D)	(D)
<b>Corn</b>			
Crush			
Crude oil produced.....1,000 pounds	170,099	151,431	146,806
Refine			
Crude oil processed in refining.....1,000 pounds	190,988	(D)	(D)
Once refined oil produced.....1,000 pounds	188,389	(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	180,999	(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	56,075	89,813	110,025
Once refined oil on hand end of month.....1,000 pounds	63,176	77,457	73,261

See footnote(s) at end of table.

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# **Selected Oilseed Crushing, Production, Consumption and Stocks – United States: January 2022 with Comparisons (continued)**

Item	January 2021	December 2022	January 2022
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	56,896	39,924	44,723
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			
Once refined oil on hand end of month..... 1,000 pounds	68,643	66,931	60,479
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	205,203	212,943	205,267
Removed for edible use in processing ..... 1,000 pounds	200,602	208,213	(D)
Removed for inedible use in processing..... 1,000 pounds	4,601	4,730	(D)
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	281,712	305,163	303,780
<b>Peanut</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	19,960	27,623	(D)
Once refined oil produced..... 1,000 pounds	19,224	26,667	(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	21,028	29,323	22,484
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	12,314	(D)	20,404
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	3,951	(D)	(D)
Once refined oil produced..... 1,000 pounds	3,884	(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	4,162	6,035	(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	9,381	1,988	9,916
Once refined oil on hand end of month..... 1,000 pounds	1,752	(D)	(D)
<b>Sunflower</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	44,939	40,710	34,546
Once refined oil produced..... 1,000 pounds	43,632	38,723	32,894
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	37,402	36,609	29,420
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	44,004	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	22,564	22,222	22,343
<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: January 2022 with Comparisons

Item	January 2021 (1,000 pounds)	December 2022 (1,000 pounds)	January 2022 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	112,172	123,435	109,463
Removed for inedible use.....	108,526	126,360	107,287
Stocks on hand end of month.....	13,223	6,315	8,491
<b>Feather meal</b>			
Production.....	81,286	77,684	70,336
Stocks on hand end of month.....	24,711	13,193	14,959
<b>Lard</b>			
Production.....	21,702	30,416	22,136
Removed for use in processing.....	21,304	31,368	18,631
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,355	4,950	8,484
<b>Meat meal, meat and bone meal, and dry rendered tannage</b>			
Production.....	416,645	494,499	410,014
Stocks on hand end of month.....	72,648	81,910	49,823
<b>Other grease</b>			
Production.....	33,686	45,421	34,904
Removed for inedible use in processing.....	33,936	43,943	33,243
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	167,245	163,485	151,817
Removed for inedible use in processing.....	171,675	169,826	149,649
Stocks on hand end of month.....	28,175	29,689	31,857
<b>Poultry by-product meals</b>			
Production.....	249,316	271,214	265,778
Stocks on hand end of month.....	47,142	100,954	96,551
<b>Tallow, edible</b>			
Production.....	73,053	66,873	70,584
Removed for use in processing.....	74,711	67,586	69,867
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	22,683	20,536	24,681
<b>Tallow, inedible</b>			
Production.....	269,443	285,505	263,339
Removed for inedible use in processing.....	265,168	304,995	268,832
Stocks on hand end of month.....	95,120	(D)	(D)
<b>Tallow, technical</b>			
Production.....	88,167	103,539	92,765
Removed for inedible use in processing.....	86,468	105,968	90,349
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	169,599	171,389	158,709
Removed for inedible use in processing.....	181,690	178,984	173,739
Stocks on hand end of month.....	75,943	90,985	75,965

(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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- 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).

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