



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

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Highlights

October 2021 contained 31 days.

November 2021 contained 30 days.

Soybeans crushed for crude oil was 5.71 million tons (190 million bushels) in November 2021, compared with 5.91 million tons (197 million bushels) in October 2021 and 5.73 million tons (191 million bushels) in November 2020. Crude oil produced was 2.25 billion pounds down 4 percent from October 2021 but up 2 percent from November 2020. Soybean once refined oil production at 1.66 billion pounds during November 2021 decreased 4 percent from October 2021 but increased 5 percent from November 2020.

Canola seeds crushed for crude oil was 195,735 tons in November 2021, compared with 196,646 tons in October 2021 and 207,700 tons in November 2020. Canola crude oil produced was 155 million pounds, down 1 percent from October 2021 and down 11 percent from November 2020. Canola once refined oil production, at 147 million pounds during November 2021, was down 1 percent from October 2021 but up less than 1 percent from November 2020.

Cottonseed once refined oil production, at 37.2 million pounds during November 2021, was down 1 percent from October 2021 and down 16 percent from November 2020.

Edible tallow production was 86.9 million pounds during November 2021, up 12 percent from October 2021 and up 5 percent from November 2020. Inedible tallow production was 378 million pounds during November 2021, up 10 percent from October 2021 and up 35 percent from November 2020. Technical tallow production was 125 million pounds during November 2021, down 3 percent from October 2021 but up 29 percent from November 2020. Choice white grease production, at 130 million pounds during November 2021, increased 26 percent from October 2021 and increased 11 percent from November 2020.

**Soybean Crushing, Production, Consumption and Stocks – United States: November 2021
with Comparisons**

Item	November 2020	October 2021	November 2021
Crush			
Soybeans crushed..... tons	5,731,207	5,908,157	5,714,855
Crude oil produced.....1,000 pounds	2,206,792	2,347,580	2,248,216
Cake and meal produced..... tons	4,230,274	4,284,256	4,175,218
For animal feed..... tons	4,191,026	4,231,399	4,125,389
For edible protein products..... tons	39,248	52,857	49,829
Millfeed produced..... tons	286,020	307,383	294,540
Refine			
Crude oil processed in refining.....1,000 pounds	1,617,081	1,772,253	1,696,347
Once refined oil produced.....1,000 pounds	1,580,598	1,731,222	1,658,356
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	135,477	142,927	152,657
Once refined oil removed for use in processing.....1,000 pounds	1,547,094	1,686,717	1,622,403
Removed for edible use in processing.....1,000 pounds	1,072,405	1,274,866	1,174,662
Removed for inedible use in processing.....1,000 pounds	474,689	411,851	447,741
Stocks			
Cake and meal on hand end of month..... tons	415,107	363,969	356,975
Millfeed on hand end of month..... tons	43,310	47,512	42,374
Crude oil on hand end of month.....1,000 pounds	1,684,535	1,960,220	1,959,133
Crusher.....1,000 pounds	759,569	957,162	958,407
Refiner.....1,000 pounds	267,253	292,912	338,894
Offsite.....1,000 pounds	657,713	710,146	661,832
Once refined oil on hand end of month.....1,000 pounds	432,562	426,117	456,358

Soybean Crushing – Regional: November 2021 with Comparisons

Region	Soybeans crushed		
	November 2020	October 2021	November 2021
	(tons)	(tons)	(tons)
Illinois	699,518	674,438	669,087
Iowa.....	1,161,457	1,215,324	1,194,785
North and East ¹	1,258,202	1,373,563	1,292,732
North Central ²	930,684	979,305	938,441
South, West and Pacific ³	737,323	697,651	673,078
West Central ⁴	944,023	967,876	946,732
Region	Crude oil produced		
	November 2020	October 2021	November 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	269,901	268,201	261,507
Iowa.....	460,839	482,830	470,681
North and East ¹	481,274	540,676	505,249
North Central ²	352,779	379,028	363,068
South, West and Pacific ³	280,184	274,183	261,496
West Central ⁴	361,815	402,662	386,215
Region	Crude oil stocks at crusher		
	November 2020	October 2021	November 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	97,961	127,805	138,995
Iowa.....	123,061	138,813	141,859
North and East ¹	169,071	296,888	258,805
North Central ²	191,475	186,333	202,939
South, West and Pacific ³	55,360	70,057	69,152
West Central ⁴	122,641	137,266	146,657
Region	Cake and meal produced		
	November 2020	October 2021	November 2021
	(tons)	(tons)	(tons)
Illinois	509,635	482,269	486,276
Iowa.....	863,830	889,103	875,721
North and East ¹	933,354	997,216	946,178
North Central ²	690,980	718,124	689,284
South, West and Pacific ³	534,223	496,628	486,326
West Central ⁴	698,252	700,916	691,433
Region	Cake and meal stocks		
	November 2020	October 2021	November 2021
	(tons)	(tons)	(tons)
Illinois	87,937	53,908	54,410
Iowa.....	60,490	65,958	49,695
North and East ¹	93,138	84,421	128,506
North Central ²	66,881	64,941	46,292
South, West and Pacific ³	59,920	43,189	26,892
West Central ⁴	46,741	51,552	51,180

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, Mississippi, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: November 2021
with Comparisons**

Item	November 2020	October 2021	November 2021
Canola			
Crush			
Seeds crushed..... tons	207,700	196,646	195,735
Crude oil produced.....1,000 pounds	173,513	156,615	155,135
Cake and meal produced..... tons	117,446	115,606	113,329
Refine			
Crude oil processed in refining.....1,000 pounds	152,242	152,406	151,631
Once refined oil produced.....1,000 pounds	146,857	147,962	147,038
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	159,489	157,944	146,739
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	67,565	44,073	40,675
Crude oil on hand end of month.....1,000 pounds	56,250	51,296	43,734
Once refined oil on hand end of month.....1,000 pounds	74,280	81,986	90,810
Cottonseed			
Crush			
Seeds crushed..... tons	142,892	110,594	127,903
Crude oil produced.....1,000 pounds	38,619	30,632	31,910
Cake and meal produced..... tons	62,962	49,627	57,012
Refine			
Crude oil processed in refining.....1,000 pounds	45,649	38,665	38,635
Once refined oil produced.....1,000 pounds	44,106	37,586	37,236
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	36,494	34,064	39,546
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	18,951	38,529	43,222
Crude oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	33,522	19,552	19,006
Coconut			
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	61,561	66,738	59,508
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	52,908	61,650	83,707
Once refined oil on hand end of month.....1,000 pounds	65,017	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	173,425	160,213	162,542
Refine			
Crude oil processed in refining.....1,000 pounds	153,674	(D)	(D)
Once refined oil produced.....1,000 pounds	148,637	(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	134,935	(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	64,679	103,050	84,596
Once refined oil on hand end of month.....1,000 pounds	60,800	69,560	69,646

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States: November 2021
with Comparisons (continued)**

Item	November 2020	October 2021	November 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	59,200	39,833	37,224
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	93,981	53,623	71,815
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	233,528	229,434	229,591
Removed for edible use in processing 1,000 pounds	227,421	223,904	224,276
Removed for inedible use in processing..... 1,000 pounds	6,107	5,530	5,315
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	296,495	303,227	272,313
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	33,547	37,457	26,861
Once refined oil produced..... 1,000 pounds	31,457	36,089	25,732
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	35,787	34,554	36,867
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	11,700	16,860	(D)
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	4,000	(D)	(D)
Once refined oil produced..... 1,000 pounds	4,071	(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	4,306	6,177	(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	8,968	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	1,726	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	56,084	47,900	56,209
Once refined oil produced..... 1,000 pounds	54,526	45,695	54,201
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	44,156	38,260	47,400
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	36,180	37,154	31,487
Once refined oil on hand end of month..... 1,000 pounds	21,718	23,757	25,140
Vegetable foots, raw and acidulated			
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 2021
with Comparisons**

Item	November 2020 (1,000 pounds)	October 2021 (1,000 pounds)	November 2021 (1,000 pounds)
Choice white grease			
Production.....	116,917	103,514	129,988
Removed for inedible use.....	115,358	104,062	127,668
Stocks on hand end of month.....	13,145	6,701	9,239
Feather meal			
Production.....	106,956	84,174	80,324
Stocks on hand end of month.....	25,515	18,194	20,916
Lard			
Production.....	26,652	25,739	34,175
Removed for use in processing.....	27,865	28,156	37,328
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	6,319	5,836	4,725
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	468,428	480,665	520,433
Stocks on hand end of month.....	69,324	94,276	103,456
Other grease			
Production.....	35,378	50,831	38,213
Removed for inedible use in processing.....	36,308	43,495	44,449
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	216,160	174,260	167,555
Removed for inedible use in processing.....	218,693	175,329	167,924
Stocks on hand end of month.....	28,441	36,401	36,031
Poultry by-product meals			
Production.....	303,464	281,337	280,759
Stocks on hand end of month.....	38,541	111,313	115,846
Tallow, edible			
Production.....	82,585	77,433	86,896
Removed for use in processing.....	80,116	81,142	91,676
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	23,283	18,371	15,860
Tallow, inedible			
Production.....	279,307	342,024	377,789
Removed for inedible use in processing.....	280,313	331,404	383,668
Stocks on hand end of month.....	(D)	(D)	(D)
Tallow, technical			
Production.....	97,134	129,384	125,128
Removed for inedible use in processing.....	97,398	130,416	122,514
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	172,894	189,877	187,154
Removed for inedible use in processing.....	166,316	178,050	220,539
Stocks on hand end of month.....	86,732	132,511	98,756

(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

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Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
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Travis Thorson – Sunflower, Other Oilseeds.....	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

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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 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.

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