



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

ISSN: 2379-9862

Released April 1, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

January 2022 contained 31 days.

February 2022 contained 28 days.

Soybeans crushed for crude oil was 5.23 million tons (174 million bushels) in February 2022, compared with 5.83 million tons (194 million bushels) in January 2022 and 4.93 million tons (164 million bushels) in February 2021. Crude oil produced was 2.06 billion pounds down 9 percent from January 2022 but up 7 percent from February 2021. Soybean once refined oil production at 1.55 billion pounds during February 2022 decreased 3 percent from January 2022 but increased 7 percent from February 2021.

Canola seeds crushed for crude oil was 130,398 tons in February 2022, compared with 136,632 tons in January 2022 and 162,675 tons in February 2021. Canola crude oil produced was 101 million pounds, down 11 percent from January 2022 and down 26 percent from February 2021. Canola once refined oil production, at 97.1 million pounds during February 2022, was down 21 percent from January 2022 and down 29 percent from February 2021.

Cottonseed once refined oil production, at 44.3 million pounds during February 2022, was up 13 percent from January 2022 and up 78 percent from February 2021.

Edible tallow production was 97.0 million pounds during February 2022, up 37 percent from January 2022 and up 8 percent from February 2021. Inedible tallow production was 290 million pounds during February 2022, up 10 percent from January 2022 but down less than 1 percent from February 2021. Technical tallow production was 114 million pounds during February 2022, up 23 percent from January 2022 and up 17 percent from February 2021. Choice white grease production, at 119 million pounds during February 2022, increased 9 percent from January 2022 and increased 10 percent from February 2021.

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

Item	February 2021	January 2022	February 2022
Crush			
Soybeans crushed tons	4,930,499	5,828,974	5,232,453
Crude oil produced1,000 pounds	1,924,749	2,277,355	2,064,199
Cake and meal produced tons	3,652,574	4,231,017	3,817,784
For animal feed tons	3,607,780	4,171,189	3,763,135
For edible protein products tons	44,794	59,828	54,649
Millfeed produced tons	266,097	302,136	272,171
Refine			
Crude oil processed in refining1,000 pounds	1,473,714	1,628,044	1,575,670
Once refined oil produced1,000 pounds	1,444,542	1,590,136	1,545,960
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	90,729	180,564	148,218
Once refined oil removed for use in processing1,000 pounds	1,435,783	1,629,619	1,526,960
Removed for edible use in processing1,000 pounds	1,099,893	1,208,150	1,153,916
Removed for inedible use in processing1,000 pounds	335,890	421,469	373,044
Stocks			
Cake and meal on hand end of month tons	544,178	396,462	347,160
Millfeed on hand end of month tons	39,885	34,292	38,716
Crude oil on hand end of month1,000 pounds	1,870,825	2,113,724	2,172,311
Crusher1,000 pounds	953,464	957,236	1,019,221
Refiner1,000 pounds	293,656	372,831	397,323
Offsite1,000 pounds	623,705	783,657	755,767
Once refined oil on hand end of month1,000 pounds	435,163	386,200	393,796

Soybean Crushing – Regional: February 2022 with Comparisons

Region	Soybeans crushed		
	February 2021	January 2022	February 2022
	(tons)	(tons)	(tons)
Illinois	564,364	679,959	595,948
Iowa.....	1,006,599	1,151,328	1,056,550
North and East ¹	1,148,657	1,353,371	1,175,071
North Central ²	834,276	935,755	886,474
South, West and Pacific ³	634,444	711,507	637,431
West Central ⁴	742,159	997,054	880,979
Region	Crude oil produced		
	February 2021	January 2022	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	218,358	268,621	238,972
Iowa.....	403,783	452,387	421,061
North and East ¹	445,826	520,105	449,514
North Central ²	310,461	366,007	350,532
South, West and Pacific ³	240,881	273,533	248,263
West Central ⁴	305,440	396,702	355,857
Region	Crude oil stocks at crusher		
	February 2021	January 2022	February 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	165,256	116,762	126,320
Iowa.....	167,119	186,959	205,632
North and East ¹	206,603	238,844	237,210
North Central ²	228,318	224,045	256,308
South, West and Pacific ³	63,474	61,372	58,886
West Central ⁴	122,694	129,254	134,865
Region	Cake and meal produced		
	February 2021	January 2022	February 2022
	(tons)	(tons)	(tons)
Illinois	412,468	489,334	424,031
Iowa.....	745,792	846,014	783,301
North and East ¹	852,001	978,036	851,907
North Central ²	629,941	674,473	650,070
South, West and Pacific ³	466,874	509,587	460,444
West Central ⁴	545,498	733,573	648,031
Region	Cake and meal stocks		
	February 2021	January 2022	February 2022
	(tons)	(tons)	(tons)
Illinois	115,901	59,751	40,707
Iowa.....	77,897	43,976	49,401
North and East ¹	145,741	126,846	119,050
North Central ²	88,176	60,049	49,291
South, West and Pacific ³	46,045	62,377	52,807
West Central ⁴	70,418	43,463	35,904

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: February 2022 with Comparisons

Item	February 2021	January 2022	February 2022
Canola			
Crush			
Seeds crushed..... tons	162,675	136,632	130,398
Crude oil produced.....1,000 pounds	136,767	113,003	101,075
Cake and meal produced..... tons	94,840	84,790	75,575
Refine			
Crude oil processed in refining.....1,000 pounds	140,840	126,895	100,227
Once refined oil produced.....1,000 pounds	136,031	123,268	97,094
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	147,849	131,627	104,849
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	33,429	35,330	37,972
Crude oil on hand end of month.....1,000 pounds	55,844	35,248	47,546
Once refined oil on hand end of month.....1,000 pounds	81,667	90,021	89,372
Cottonseed			
Crush			
Seeds crushed..... tons	104,256	137,324	143,834
Crude oil produced.....1,000 pounds	30,911	36,453	40,353
Cake and meal produced..... tons	49,642	60,587	62,357
Refine			
Crude oil processed in refining.....1,000 pounds	25,578	40,408	45,186
Once refined oil produced.....1,000 pounds	24,925	39,382	44,334
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	34,426	44,859	41,071
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	18,617	23,122	17,442
Crude oil on hand end of month.....1,000 pounds	29,212	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	16,212	22,857	25,311
Coconut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	36,914	34,524
Once refined oil produced.....1,000 pounds	(D)	36,427	33,989
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	52,611	48,797	53,175
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	56,115	90,889	98,095
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	136,172	146,806	120,077
Refine			
Crude oil processed in refining.....1,000 pounds	130,641	(D)	(D)
Once refined oil produced.....1,000 pounds	127,505	(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	119,626	(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	64,953	110,025	108,552
Once refined oil on hand end of month.....1,000 pounds	59,692	73,261	79,818

See footnote(s) at end of table.

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

Item	February 2021	January 2022	February 2022
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	52,267	44,723	44,419
Removed for edible use in processing1,000 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	73,793	60,479	56,191
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	199,571	205,267	200,052
Removed for edible use in processing1,000 pounds	193,866	200,799	195,679
Removed for inedible use in processing.....1,000 pounds	5,705	(D)	4,373
Stocks			
Once refined oil on hand end of month.....1,000 pounds	243,142	303,780	376,898
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	(D)	24,327
Once refined oil produced.....1,000 pounds	(D)	(D)	23,054
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	(D)	22,484	22,256
Removed for edible use in processing1,000 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	8,952	20,404	(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	2,267	(D)	(D)
Once refined oil produced.....1,000 pounds	2,143	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	4,511	(D)	8,199
Removed for edible use in processing1,000 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)	9,916	5,328
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	52,038	34,546	37,830
Once refined oil produced.....1,000 pounds	50,264	32,894	36,113
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	-	(D)
Once refined oil removed for use in processing.....1,000 pounds	36,726	29,420	34,433
Removed for edible use in processing1,000 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	52,114	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	27,562	22,343	20,690
Vegetable foots, raw and acidulated			
Refine			
Oil produced1,000 pounds	(D)	(D)	(D)
Consumption			
Oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Oil on hand end of month1,000 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: February 2022 with Comparisons

Item	February 2021 (1,000 pounds)	January 2022 (1,000 pounds)	February 2022 (1,000 pounds)
Choice white grease			
Production.....	108,286	109,463	119,243
Removed for inedible use	111,633	107,287	120,964
Stocks on hand end of month.....	9,877	8,491	6,770
Feather meal			
Production.....	86,309	70,336	78,588
Stocks on hand end of month.....	14,905	14,959	16,937
Lard			
Production.....	22,389	22,136	31,869
Removed for use in processing	24,448	18,631	22,119
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,621	8,484	15,614
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	424,692	410,014	461,723
Stocks on hand end of month.....	73,567	76,823	74,445
Other grease			
Production.....	30,832	34,904	34,958
Removed for inedible use in processing	31,214	33,243	45,429
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	174,726	151,817	155,411
Removed for inedible use in processing	173,515	149,649	160,167
Stocks on hand end of month.....	29,386	31,857	27,102
Poultry by-product meals			
Production.....	277,931	265,778	268,401
Stocks on hand end of month.....	53,923	96,551	104,736
Tallow, edible			
Production.....	90,103	70,584	97,012
Removed for use in processing	96,063	69,867	103,669
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	(D)	24,681	(D)
Tallow, inedible			
Production.....	290,555	263,339	289,968
Removed for inedible use in processing	280,464	268,832	286,733
Stocks on hand end of month.....	105,210	(D)	(D)
Tallow, technical			
Production.....	97,483	92,765	114,061
Removed for inedible use in processing	98,049	90,349	115,164
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	152,284	158,709	161,376
Removed for inedible use in processing	146,927	173,739	147,980
Stocks on hand end of month.....	81,153	75,965	89,896

(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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Irwin Anolik – Crop Weather	(202) 720-7621
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
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
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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