



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

ISSN: 2379-9862

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

Highlights

June 2022 contained 30 days.

July 2022 contained 31 days.

Soybeans crushed for crude oil was 5.44 million tons (181 million bushels) in July 2022, compared with 5.22 million tons (174 million bushels) in June 2022 and 4.99 million tons (166 million bushels) in July 2021. Crude oil produced was 2.16 billion pounds up 4 percent from June 2022 and up 9 percent from July 2021. Soybean once refined oil production at 1.68 billion pounds during July 2022 increased 2 percent from June 2022 and increased 6 percent from July 2021.

Canola seeds crushed for crude oil was 150,198 tons in July 2022, compared with 147,715 tons in June 2022 and 145,967 tons in July 2021. Canola crude oil produced was 117 million pounds, down 3 percent from June 2022 and down 6 percent from July 2021. Canola once refined oil production, at 119 million pounds during July 2022, was down 4 percent from June 2022 and down 19 percent from July 2021.

Cottonseed once refined oil production, at 37.6 million pounds during July 2022, was down 11 percent from June 2022 but up 15 percent from July 2021.

Edible tallow production was 78.4 million pounds during July 2022, down 18 percent from June 2022 and down 8 percent from July 2021. Inedible tallow production was 305 million pounds during July 2022, down 15 percent from June 2022 but up less than 1 percent from July 2021. Technical tallow production was 106 million pounds during July 2022, down 2 percent from June 2022 and down 2 percent from July 2021. Choice white grease production, at 96.4 million pounds during July 2022, decreased 13 percent from June 2022 but increased 15 percent from July 2021.

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

Item	July 2021	June 2022	July 2022
Crush			
Soybeans crushed..... tons	4,989,996	5,222,412	5,440,043
Crude oil produced.....1,000 pounds	1,972,688	2,068,578	2,157,970
Cake and meal produced..... tons	3,698,749	3,837,474	3,984,830
For animal feed..... tons	3,639,202	3,777,123	3,927,978
For edible protein products..... tons	59,547	60,351	56,852
Millfeed produced..... tons	267,750	269,091	281,546
Refine			
Crude oil processed in refining.....1,000 pounds	1,615,578	1,678,171	1,713,297
Once refined oil produced.....1,000 pounds	1,580,058	1,639,717	1,680,513
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	117,570	159,139	141,870
Once refined oil removed for use in processing.....1,000 pounds	1,600,617	1,653,391	1,684,624
Removed for edible use in processing.....1,000 pounds	1,208,117	1,151,293	1,180,090
Removed for inedible use in processing.....1,000 pounds	392,500	502,098	504,534
Stocks			
Cake and meal on hand end of month..... tons	442,290	324,073	476,698
Millfeed on hand end of month..... tons	34,536	33,231	46,932
Crude oil on hand end of month.....1,000 pounds	1,671,358	1,911,685	1,827,156
Crusher.....1,000 pounds	822,597	961,721	883,669
Refiner.....1,000 pounds	262,856	327,583	322,741
Offsite.....1,000 pounds	585,905	622,381	620,746
Once refined oil on hand end of month.....1,000 pounds	398,753	403,819	401,033

Soybean Crushing – Regional: July 2022 with Comparisons

Region	Soybeans crushed		
	July 2021	June 2022	July 2022
	(tons)	(tons)	(tons)
Illinois	540,911	545,170	621,387
Iowa.....	1,008,359	1,046,066	1,044,438
North and East ¹	1,075,246	1,177,246	1,158,212
North Central ²	816,910	973,607	958,284
South, West and Pacific ³	659,891	549,449	673,459
West Central ⁴	888,679	930,874	984,263
Region	Crude oil produced		
	July 2021	June 2022	July 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	219,021	226,095	251,259
Iowa.....	399,197	418,181	414,197
North and East ¹	424,371	452,011	454,137
North Central ²	308,616	380,059	375,523
South, West and Pacific ³	257,470	213,559	259,827
West Central ⁴	364,013	378,673	403,027
Region	Crude oil stocks at crusher		
	July 2021	June 2022	July 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	124,287	161,686	152,209
Iowa.....	143,445	165,164	134,456
North and East ¹	197,277	183,835	166,739
North Central ²	160,280	253,775	235,029
South, West and Pacific ³	70,074	63,317	60,697
West Central ⁴	127,234	133,944	134,539
Region	Cake and meal produced		
	July 2021	June 2022	July 2022
	(tons)	(tons)	(tons)
Illinois	399,388	405,904	443,990
Iowa.....	740,907	773,015	770,689
North and East ¹	802,133	849,835	845,001
North Central ²	612,441	718,278	712,807
South, West and Pacific ³	485,512	403,849	489,278
West Central ⁴	658,368	686,593	723,065
Region	Cake and meal stocks		
	July 2021	June 2022	July 2022
	(tons)	(tons)	(tons)
Illinois	50,549	62,138	81,320
Iowa.....	56,689	47,938	66,453
North and East ¹	158,614	103,651	107,561
North Central ²	86,506	46,809	76,784
South, West and Pacific ³	44,885	18,775	65,054
West Central ⁴	45,047	44,762	79,526

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: July 2022
with Comparisons**

Item	July 2021	June 2022	July 2022
Canola			
Crush			
Seeds crushed..... tons	145,967	147,715	150,198
Crude oil produced.....1,000 pounds	124,634	119,992	116,874
Cake and meal produced..... tons	87,751	86,797	89,345
Refine			
Crude oil processed in refining.....1,000 pounds	151,308	127,618	122,014
Once refined oil produced.....1,000 pounds	147,020	124,410	118,886
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	152,983	116,943	111,706
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	30,292	38,456	48,257
Crude oil on hand end of month.....1,000 pounds	47,186	49,750	43,588
Once refined oil on hand end of month.....1,000 pounds	108,223	104,882	111,570
Cottonseed			
Crush			
Seeds crushed..... tons	96,594	152,410	126,481
Crude oil produced.....1,000 pounds	24,274	40,413	33,305
Cake and meal produced..... tons	41,717	64,715	53,922
Refine			
Crude oil processed in refining.....1,000 pounds	33,274	43,435	38,963
Once refined oil produced.....1,000 pounds	32,855	42,447	37,644
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	36,807	43,647	38,511
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	50,527	22,277	24,177
Crude oil on hand end of month.....1,000 pounds	22,000	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	14,550	23,281	23,466
Coconut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	41,906	49,321
Once refined oil produced.....1,000 pounds	(D)	41,438	48,608
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	104,624	51,426	70,914
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	52,922	69,367	103,577
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	175,524	130,557	147,157
Refine			
Crude oil processed in refining.....1,000 pounds	162,082	(D)	(D)
Once refined oil produced.....1,000 pounds	157,494	(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	133,973	140,340	117,150
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	94,122	93,184	109,149
Once refined oil on hand end of month.....1,000 pounds	76,625	78,953	88,638

See footnote(s) at end of table.

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

Item	July 2021	June 2022	July 2022
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	39,179	41,294	38,638
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	34,885	60,323	54,010
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	244,396	232,312	225,044
Removed for edible use in processing 1,000 pounds	218,494	226,516	218,961
Removed for inedible use in processing..... 1,000 pounds	25,902	5,796	6,083
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	258,770	371,338	362,041
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	28,713	22,486	25,500
Once refined oil produced..... 1,000 pounds	27,681	21,884	24,131
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	26,188	24,704	22,402
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)	(D)	28,599
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Safflower			
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	4,866	4,741	9,311
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)	8,657	7,793
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	53,365	39,473	53,338
Once refined oil produced..... 1,000 pounds	50,610	37,627	51,542
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	45,928	37,958	42,167
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	31,133	22,448	(D)
Once refined oil on hand end of month..... 1,000 pounds	22,938	16,898	21,844
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: July 2022
with Comparisons**

Item	July 2021 (1,000 pounds)	June 2022 (1,000 pounds)	July 2022 (1,000 pounds)
Choice white grease			
Production.....	83,645	111,371	96,405
Removed for inedible use.....	83,532	112,483	97,461
Stocks on hand end of month.....	4,642	4,131	7,086
Feather meal			
Production.....	80,188	93,985	86,798
Stocks on hand end of month.....	17,844	16,601	20,529
Lard			
Production.....	22,967	19,603	17,133
Removed for use in processing.....	23,031	22,382	19,993
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	6,032	10,107	9,925
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	420,054	487,376	409,971
Stocks on hand end of month.....	66,064	71,631	72,927
Other grease			
Production.....	55,949	35,758	29,404
Removed for inedible use in processing.....	53,550	35,822	27,684
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	176,395	175,255	161,882
Removed for inedible use in processing.....	180,055	177,201	163,061
Stocks on hand end of month.....	31,391	32,109	30,930
Poultry by-product meals			
Production.....	263,412	317,565	308,260
Stocks on hand end of month.....	76,132	112,957	76,871
Tallow, edible			
Production.....	85,015	95,201	78,414
Removed for use in processing.....	89,379	100,293	79,985
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)	16,786	15,052
Tallow, inedible			
Production.....	303,938	359,824	304,608
Removed for inedible use in processing.....	301,368	368,463	298,622
Stocks on hand end of month.....	(D)	(D)	116,298
Tallow, technical			
Production.....	107,856	107,608	105,881
Removed for inedible use in processing.....	109,241	107,241	105,344
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	181,497	212,908	180,517
Removed for inedible use in processing.....	173,678	195,887	181,898
Stocks on hand end of month.....	100,031	103,297	101,914

(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 – Hemp, 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
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