



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

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Highlights

April 2022 contained 30 days.

May 2022 contained 31 days.

Soybeans crushed for crude oil was 5.43 million tons (181 million bushels) in May 2022, compared with 5.43 million tons (181 million bushels) in April 2022 and 5.21 million tons (174 million bushels) in May 2021. Crude oil produced was 2.16 billion pounds up 1 percent from April 2022 and up 6 percent from May 2021. Soybean once refined oil production at 1.76 billion pounds during May 2022 increased 3 percent from April 2022 and increased 3 percent from May 2021.

Canola seeds crushed for crude oil was 97,792 tons in May 2022, compared with 145,198 tons in April 2022 and 159,120 tons in May 2021. Canola crude oil produced was 77 million pounds, down 32 percent from April 2022 and down 43 percent from May 2021. Canola once refined oil production, at 91 million pounds during May 2022, was down 27 percent from April 2022 and down 38 percent from May 2021.

Cottonseed once refined oil production, at 38.0 million pounds during May 2022, was down 10 percent from April 2022 and down 5 percent from May 2021.

Edible tallow production was 84.5 million pounds during May 2022, up 8 percent from April 2022 but down 18 percent from May 2021. Inedible tallow production was 308 million pounds during May 2022, up 8 percent from April 2022 but down 9 percent from May 2021. Technical tallow production was 111 million pounds during May 2022, up 2 percent from April 2022 but down 6 percent from May 2021. Choice white grease production, at 110 million pounds during May 2022, decreased 5 percent from April 2022 but increased 20 percent from May 2021.

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

Item	May 2021	April 2022	May 2022
Crush			
Soybeans crushed..... tons	5,205,032	5,426,712	5,427,160
Crude oil produced.....1,000 pounds	2,043,135	2,143,118	2,158,774
Cake and meal produced..... tons	3,849,675	3,975,098	3,978,135
For animal feed..... tons	3,800,161	3,923,465	3,925,030
For edible protein products..... tons	49,514	51,633	53,105
Millfeed produced..... tons	273,209	279,447	281,954
Refine			
Crude oil processed in refining.....1,000 pounds	1,752,280	1,738,580	1,795,117
Once refined oil produced.....1,000 pounds	1,711,860	1,700,054	1,757,400
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	102,003	126,614	167,823
Once refined oil removed for use in processing.....1,000 pounds	1,649,497	1,645,056	1,746,305
Removed for edible use in processing.....1,000 pounds	1,222,088	1,200,615	1,221,104
Removed for inedible use in processing.....1,000 pounds	427,409	444,441	525,201
Stocks			
Cake and meal on hand end of month..... tons	592,860	406,867	414,543
Millfeed on hand end of month..... tons	48,594	38,149	49,212
Crude oil on hand end of month.....1,000 pounds	1,721,223	2,018,976	1,967,553
Crusher.....1,000 pounds	893,077	1,006,036	1,010,927
Refiner.....1,000 pounds	248,304	367,769	337,860
Offsite.....1,000 pounds	579,842	645,171	618,766
Once refined oil on hand end of month.....1,000 pounds	425,765	405,216	416,820

Soybean Crushing – Regional: May 2022 with Comparisons

Region	Soybeans crushed		
	May 2021	April 2022	May 2022
	(tons)	(tons)	(tons)
Illinois	582,792	653,419	626,572
Iowa.....	1,044,686	1,110,486	1,086,312
North and East ¹	1,140,335	1,298,834	1,132,823
North Central ²	866,672	881,353	968,543
South, West and Pacific ³	684,564	582,228	648,953
West Central ⁴	885,983	900,392	963,957
Region	Crude oil produced		
	May 2021	April 2022	May 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	228,670	261,646	253,132
Iowa.....	420,025	440,696	430,398
North and East ¹	446,077	509,780	449,684
North Central ²	334,255	339,642	381,169
South, West and Pacific ³	263,865	224,499	257,538
West Central ⁴	350,243	366,855	386,853
Region	Crude oil stocks at crusher		
	May 2021	April 2022	May 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	140,864	144,528	162,526
Iowa.....	175,563	202,283	182,137
North and East ¹	216,426	192,298	217,719
North Central ²	191,988	275,859	235,949
South, West and Pacific ³	68,519	70,968	85,977
West Central ⁴	99,717	120,100	126,619
Region	Cake and meal produced		
	May 2021	April 2022	May 2022
	(tons)	(tons)	(tons)
Illinois	419,546	470,707	454,664
Iowa.....	779,358	822,746	799,494
North and East ¹	841,583	939,151	825,175
North Central ²	646,497	653,460	710,082
South, West and Pacific ³	504,547	424,226	474,540
West Central ⁴	658,144	664,808	714,180
Region	Cake and meal stocks		
	May 2021	April 2022	May 2022
	(tons)	(tons)	(tons)
Illinois	89,892	61,559	53,059
Iowa.....	87,395	55,870	69,938
North and East ¹	149,456	121,964	116,230
North Central ²	106,917	53,073	50,804
South, West and Pacific ³	89,508	73,729	62,523
West Central ⁴	69,692	40,672	61,989

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: May 2022
with Comparisons**

Item	May 2021	April 2022	May 2022
Canola			
Crush			
Seeds crushed..... tons	159,120	145,198	97,792
Crude oil produced.....1,000 pounds	133,761	113,295	76,861
Cake and meal produced..... tons	90,476	84,805	56,819
Refine			
Crude oil processed in refining.....1,000 pounds	153,601	128,622	93,711
Once refined oil produced.....1,000 pounds	148,502	125,200	91,442
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	142,906	129,434	100,474
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	37,702	41,077	31,177
Crude oil on hand end of month.....1,000 pounds	69,079	61,319	48,003
Once refined oil on hand end of month.....1,000 pounds	116,197	89,036	77,027
Cottonseed			
Crush			
Seeds crushed..... tons	125,509	126,849	145,600
Crude oil produced.....1,000 pounds	34,224	35,304	39,626
Cake and meal produced..... tons	55,035	56,677	62,212
Refine			
Crude oil processed in refining.....1,000 pounds	41,001	43,107	39,037
Once refined oil produced.....1,000 pounds	39,835	42,014	37,984
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	39,620	43,418	41,429
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	36,756	10,930	11,439
Crude oil on hand end of month.....1,000 pounds	24,482	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	18,746	24,748	22,368
Coconut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	43,054	44,112
Once refined oil produced.....1,000 pounds	(D)	42,442	43,581
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	51,712	62,792	61,331
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	81,306	100,141	75,847
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	167,108	131,781	148,332
Refine			
Crude oil processed in refining.....1,000 pounds	156,602	(D)	(D)
Once refined oil produced.....1,000 pounds	153,473	(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	(D)	(D)	125,955
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	68,651	97,003	98,329
Once refined oil on hand end of month.....1,000 pounds	77,664	85,769	95,669

See footnote(s) at end of table.

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

Item	May 2021	April 2022	May 2022
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	55,999	39,516	41,837
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	50,005	63,768	60,220
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	221,930	232,410	232,342
Removed for edible use in processing 1,000 pounds	217,209	226,372	226,379
Removed for inedible use in processing..... 1,000 pounds	4,721	6,038	5,963
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	280,040	378,130	402,605
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	24,152	19,028	26,707
Once refined oil produced..... 1,000 pounds	22,612	18,267	25,716
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	26,066	21,391	22,230
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)	(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	(D)	(D)	2,118
Once refined oil produced..... 1,000 pounds	(D)	(D)	1,988
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	3,415	(D)	6,606
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)	9,945	10,405
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	35,822	42,213	41,140
Once refined oil produced..... 1,000 pounds	33,546	39,780	39,532
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	27,882	35,701	31,193
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	42,848	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	20,601	18,539	20,567
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)

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

**Animal Fats and Oils Production, Consumption and Stocks – United States: May 2022
with Comparisons**

Item	May 2021 (1,000 pounds)	April 2022 (1,000 pounds)	May 2022 (1,000 pounds)
Choice white grease			
Production.....	91,738	115,619	110,412
Removed for inedible use.....	97,532	115,652	111,270
Stocks on hand end of month.....	6,541	6,101	5,241
Feather meal			
Production.....	93,858	73,203	86,550
Stocks on hand end of month.....	14,092	17,031	18,566
Lard			
Production.....	21,085	18,243	21,486
Removed for use in processing.....	23,777	21,850	20,014
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	5,198	12,768	13,080
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	456,634	415,393	443,267
Stocks on hand end of month.....	61,885	67,578	93,837
Other grease			
Production.....	37,021	29,031	29,191
Removed for inedible use in processing.....	36,349	27,635	30,244
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	196,754	138,994	160,012
Removed for inedible use in processing.....	192,167	134,036	161,635
Stocks on hand end of month.....	31,886	35,678	34,055
Poultry by-product meals			
Production.....	307,753	276,285	319,527
Stocks on hand end of month.....	52,014	94,570	96,918
Tallow, edible			
Production.....	102,834	78,422	84,538
Removed for use in processing.....	107,463	87,075	80,542
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	7,522	(D)	19,713
Tallow, inedible			
Production.....	339,224	284,534	307,556
Removed for inedible use in processing.....	348,586	281,622	301,161
Stocks on hand end of month.....	(D)	113,130	119,525
Tallow, technical			
Production.....	118,323	109,097	111,166
Removed for inedible use in processing.....	119,506	107,444	113,291
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	182,246	169,678	178,093
Removed for inedible use in processing.....	184,125	224,813	153,177
Stocks on hand end of month.....	88,427	61,283	86,199

(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
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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