



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

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## Highlights

**March 2022** contained 31 days.

**April 2022** contained 30 days.

**Soybeans crushed** for crude oil was 5.43 million tons (181 million bushels) in April 2022, compared with 5.79 million tons (193 million bushels) in March 2022 and 5.10 million tons (170 million bushels) in April 2021. Crude oil produced was 2.14 billion pounds down 6 percent from March 2022 but up 8 percent from April 2021. Soybean once refined oil production at 1.70 billion pounds during April 2022 decreased 5 percent from March 2022 but increased 4 percent from April 2021.

**Canola seeds crushed** for crude oil was 145,508 tons in April 2022, compared with 163,923 tons in March 2022 and 193,146 tons in April 2021. Canola crude oil produced was 114 million pounds, down 9 percent from March 2022 and down 29 percent from April 2021. Canola once refined oil production, at 128 million pounds during April 2022, was down 15 percent from March 2022 and down 11 percent from April 2021.

**Cottonseed once refined** oil production, at 42.0 million pounds during April 2022, was down 11 percent from March 2022 but up 28 percent from April 2021.

**Edible tallow** production was 77.2 million pounds during April 2022, down 1 percent from March 2022 and down 15 percent from April 2021. Inedible tallow production was 273 million pounds during April 2022, down 7 percent from March 2022 and down 26 percent from April 2021. Technical tallow production was 92.9 million pounds during April 2022, up 2 percent from March 2022 but down 17 percent from April 2021. Choice white grease production, at 116 million pounds during April 2022, decreased 5 percent from March 2022 but increased 19 percent from April 2021.

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

Item	April 2021	March 2022	April 2022
<b>Crush</b>			
Soybeans crushed..... tons	5,095,631	5,786,159	5,426,712
Crude oil produced.....1,000 pounds	1,991,877	2,277,541	2,143,118
Cake and meal produced..... tons	3,773,943	4,249,054	3,975,098
For animal feed..... tons	3,731,721	4,190,876	3,923,465
For edible protein products..... tons	42,222	58,178	51,633
Millfeed produced..... tons	270,766	300,577	279,447
<b>Refine</b>			
Crude oil processed in refining.....1,000 pounds	1,678,886	1,831,109	1,738,580
Once refined oil produced.....1,000 pounds	1,642,251	1,787,939	1,700,054
<b>Consumption</b>			
Crude oil removed for inedible use in processing.....1,000 pounds	107,443	161,282	126,614
Once refined oil removed for use in processing.....1,000 pounds	1,664,176	1,831,900	1,645,056
Removed for edible use in processing.....1,000 pounds	1,215,141	1,386,180	1,200,615
Removed for inedible use in processing.....1,000 pounds	449,035	445,720	444,441
<b>Stocks</b>			
Cake and meal on hand end of month..... tons	417,603	347,191	406,867
Millfeed on hand end of month..... tons	34,403	33,777	38,149
Crude oil on hand end of month.....1,000 pounds	1,814,888	2,084,253	2,018,976
Crusher.....1,000 pounds	945,718	986,203	1,006,036
Refiner.....1,000 pounds	264,724	390,616	367,769
Offsite.....1,000 pounds	604,446	707,434	645,171
Once refined oil on hand end of month.....1,000 pounds	362,700	349,465	405,216

## Soybean Crushing – Regional: April 2022 with Comparisons

Region	Soybeans crushed		
	April 2021	March 2022	April 2022
	(tons)	(tons)	(tons)
Illinois .....	602,959	675,525	653,419
Iowa.....	1,077,647	1,201,743	1,110,486
North and East <sup>1</sup> .....	1,181,213	1,307,652	1,298,834
North Central <sup>2</sup> .....	740,687	964,389	881,353
South, West and Pacific <sup>3</sup> .....	599,822	669,125	582,228
West Central <sup>4</sup> .....	893,303	967,725	900,392
Region	Crude oil produced		
	April 2021	March 2022	April 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	236,611	265,000	261,646
Iowa.....	431,292	478,317	440,696
North and East <sup>1</sup> .....	460,822	512,552	509,780
North Central <sup>2</sup> .....	283,193	374,489	339,642
South, West and Pacific <sup>3</sup> .....	230,159	257,838	224,499
West Central <sup>4</sup> .....	349,800	389,345	366,855
Region	Crude oil stocks at crusher		
	April 2021	March 2022	April 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	159,970	136,293	144,528
Iowa.....	189,514	205,612	202,283
North and East <sup>1</sup> .....	210,365	209,325	192,298
North Central <sup>2</sup> .....	230,583	252,019	275,859
South, West and Pacific <sup>3</sup> .....	52,724	63,585	70,968
West Central <sup>4</sup> .....	102,562	119,369	120,100
Region	Cake and meal produced		
	April 2021	March 2022	April 2022
	(tons)	(tons)	(tons)
Illinois .....	441,948	487,917	470,707
Iowa.....	796,327	886,163	822,746
North and East <sup>1</sup> .....	878,415	954,196	939,151
North Central <sup>2</sup> .....	558,515	710,466	653,460
South, West and Pacific <sup>3</sup> .....	439,037	491,191	424,226
West Central <sup>4</sup> .....	659,701	719,121	664,808
Region	Cake and meal stocks		
	April 2021	March 2022	April 2022
	(tons)	(tons)	(tons)
Illinois .....	59,855	42,072	61,559
Iowa.....	48,654	50,613	55,870
North and East <sup>1</sup> .....	136,328	117,923	121,964
North Central <sup>2</sup> .....	70,046	38,943	53,073
South, West and Pacific <sup>3</sup> .....	43,069	55,829	73,729
West Central <sup>4</sup> .....	59,651	41,811	40,672

<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: April 2022  
with Comparisons**

Item	April 2021	March 2022	April 2022
<b>Canola</b>			
Crush			
Seeds crushed..... tons	193,146	163,923	145,508
Crude oil produced.....1,000 pounds	160,030	124,427	113,555
Cake and meal produced..... tons	111,658	94,188	85,161
Refine			
Crude oil processed in refining.....1,000 pounds	150,342	155,433	131,514
Once refined oil produced.....1,000 pounds	144,334	150,795	127,923
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	148,155	144,668	129,771
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	33,419	38,634	41,601
Crude oil on hand end of month.....1,000 pounds	66,276	52,639	61,331
Once refined oil on hand end of month.....1,000 pounds	95,834	84,414	89,635
<b>Cottonseed</b>			
Crush			
Seeds crushed..... tons	95,786	132,455	126,849
Crude oil produced.....1,000 pounds	27,788	34,759	35,586
Cake and meal produced..... tons	43,800	56,954	56,677
Refine			
Crude oil processed in refining.....1,000 pounds	34,124	48,588	43,107
Once refined oil produced.....1,000 pounds	32,897	47,266	42,014
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	35,826	46,454	43,418
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	18,773	8,593	10,930
Crude oil on hand end of month.....1,000 pounds	25,286	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	19,092	25,086	24,748
<b>Coconut</b>			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	33,504	43,054
Once refined oil produced.....1,000 pounds	(D)	33,107	42,442
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	47,205	55,373	62,792
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	84,355	67,265	100,141
Once refined oil on hand end of month.....1,000 pounds	44,237	(D)	(D)
<b>Corn</b>			
Crush			
Crude oil produced.....1,000 pounds	158,563	135,106	131,781
Refine			
Crude oil processed in refining.....1,000 pounds	145,488	(D)	(D)
Once refined oil produced.....1,000 pounds	142,776	(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	(S)	(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	65,890	93,827	97,003
Once refined oil on hand end of month.....1,000 pounds	66,926	84,074	85,769

See footnote(s) at end of table.

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

Item	April 2021	March 2022	April 2022
<b>Palm kernel</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	48,662	46,006	39,516
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	64,595	58,658	63,768
<b>Palm</b>			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	226,817	229,951	237,719
Removed for edible use in processing ..... 1,000 pounds	222,156	220,525	231,681
Removed for inedible use in processing..... 1,000 pounds	4,661	9,426	6,038
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	273,146	403,688	377,800
<b>Peanut</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	19,100	24,160	19,028
Once refined oil produced..... 1,000 pounds	19,053	23,192	18,267
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	21,125	21,139	21,391
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)
<b>Safflower</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	3,107	(D)	(D)
Once refined oil produced..... 1,000 pounds	2,945	(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	3,737	1,824	(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	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
<b>Sunflower</b>			
Refine			
Crude oil processed in refining..... 1,000 pounds	46,783	41,721	42,004
Once refined oil produced..... 1,000 pounds	43,796	40,929	39,461
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	38,978	37,243	35,596
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	61,442	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	21,020	19,266	18,629
<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.

(S) Insufficient number of reports to establish an estimate.

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

Item	April 2021 (1,000 pounds)	March 2022 (1,000 pounds)	April 2022 (1,000 pounds)
<b>Choice white grease</b>			
Production.....	97,445	121,744	115,619
Removed for inedible use.....	96,310	122,380	115,652
Stocks on hand end of month.....	12,373	6,135	6,101
<b>Feather meal</b>			
Production.....	81,631	83,735	73,203
Stocks on hand end of month.....	15,752	19,273	17,031
<b>Lard</b>			
Production.....	20,696	25,219	15,841
Removed for use in processing.....	20,683	17,504	16,643
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	6,925	16,203	14,267
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>			
Production.....	481,207	465,363	415,062
Stocks on hand end of month.....	68,720	75,961	66,556
<b>Other grease</b>			
Production.....	35,284	36,086	29,031
Removed for inedible use in processing.....	32,209	30,799	27,635
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Poultry fats</b>			
Production.....	170,567	153,766	138,994
Removed for inedible use in processing.....	168,501	152,313	134,036
Stocks on hand end of month.....	27,299	30,720	35,678
<b>Poultry by-product meals</b>			
Production.....	277,928	291,501	276,285
Stocks on hand end of month.....	48,016	88,029	94,570
<b>Tallow, edible</b>			
Production.....	90,917	77,664	77,184
Removed for use in processing.....	92,185	76,567	88,507
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	12,000	23,823	12,830
<b>Tallow, inedible</b>			
Production.....	367,648	293,482	273,360
Removed for inedible use in processing.....	364,010	297,886	270,374
Stocks on hand end of month.....	105,462	110,218	113,204
<b>Tallow, technical</b>			
Production.....	112,081	91,505	92,923
Removed for inedible use in processing.....	110,151	92,029	91,270
Stocks on hand end of month.....	(D)	(D)	(D)
<b>Yellow grease</b>			
Production.....	195,987	181,127	166,642
Removed for inedible use in processing.....	203,599	153,284	225,758
Stocks on hand end of month.....	90,308	116,420	57,302

(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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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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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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