



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

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Highlights

April 2021 contained 30 days.

May 2021 contained 31 days.

Soybeans crushed for crude oil was 5.21 million tons (174 million bushels) in May 2021, compared with 5.10 million tons (170 million bushels) in April 2021 and 5.39 million tons (180 million bushels) in May 2020. Crude oil produced was 2.04 billion pounds up 3 percent from April 2021 but down 1 percent from May 2020. Soybean once refined oil production at 1.71 billion pounds during May 2021 increased 4 percent from April 2021 and increased 12 percent from May 2020.

Canola seeds crushed for crude oil was 159,799 tons in May 2021, compared with 193,146 tons in April 2021 and 194,813 tons in May 2020. Canola crude oil produced was 134 million pounds, down 16 percent from April 2021 and down 17 percent from May 2020. Canola once refined oil production, at 150 million pounds during May 2021, was up 4 percent from April 2021 and up 22 percent from May 2020.

Cottonseed once refined oil production, at 39.8 million pounds during May 2021, was up 21 percent from April 2021 and up 12 percent from May 2020.

Edible tallow production was 102.8 million pounds during May 2021, up 13 percent from April 2021 and up 80 percent from May 2020. Inedible tallow production was 339 million pounds during May 2021, down 8 percent from April 2021 but up 22 percent from May 2020. Technical tallow production was 118 million pounds during May 2021, up 6 percent from April 2021 and up 50 percent from May 2020. Choice white grease production, at 91.7 million pounds during May 2021, decreased 6 percent from April 2021 and decreased 17 percent from May 2020.

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

Item	May 2020	April 2021	May 2021
Crush			
Soybeans crushed..... tons	5,386,534	5,095,631	5,205,032
Crude oil produced.....1,000 pounds	2,057,617	1,991,877	2,043,058
Cake and meal produced..... tons	3,970,047	3,773,943	3,849,675
For animal feed..... tons	3,914,540	3,731,721	3,800,161
For edible protein products..... tons	55,507	42,222	49,514
Millfeed produced..... tons	270,933	270,766	273,209
Refine			
Crude oil processed in refining.....1,000 pounds	1,570,271	1,678,886	1,752,311
Once refined oil produced.....1,000 pounds	1,532,758	1,642,251	1,711,885
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	107,443	101,956
Once refined oil removed for use in processing.....1,000 pounds	1,513,117	1,664,176	1,648,613
Removed for edible use in processing.....1,000 pounds	1,073,872	1,215,141	1,221,204
Removed for inedible use in processing.....1,000 pounds	439,245	449,035	427,409
Stocks			
Cake and meal on hand end of month..... tons	442,173	417,603	592,860
Millfeed on hand end of month..... tons	55,674	34,403	48,594
Crude oil on hand end of month.....1,000 pounds	2,048,938	1,814,888	1,720,633
Crusher.....1,000 pounds	875,530	945,718	893,077
Refiner.....1,000 pounds	431,345	264,724	247,714
Offsite.....1,000 pounds	742,063	604,446	579,842
Once refined oil on hand end of month.....1,000 pounds	396,477	362,700	426,027

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

Soybean Crushing – Regional: May 2021 with Comparisons

Region	Soybeans crushed		
	May 2020	April 2021	May 2021
	(tons)	(tons)	(tons)
Illinois	576,483	602,959	582,792
Iowa	1,100,051	1,077,647	1,044,686
North and East ¹	1,242,434	1,181,213	1,140,335
North Central ²	854,165	740,687	866,672
South, West and Pacific ³	635,744	599,822	684,564
West Central ⁴	977,657	893,303	885,983
Region	Crude oil produced		
	May 2020	April 2021	May 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	229,132	236,611	228,670
Iowa	419,557	431,292	420,025
North and East ¹	476,061	460,822	446,077
North Central ²	313,372	283,193	334,255
South, West and Pacific ³	243,751	230,159	263,788
West Central ⁴	375,744	349,800	350,243
Region	Crude oil stocks at crusher		
	May 2020	April 2021	May 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	108,904	159,970	140,864
Iowa	173,673	189,514	175,563
North and East ¹	221,161	210,365	216,426
North Central ²	240,239	230,583	191,988
South, West and Pacific ³	61,539	52,724	68,519
West Central ⁴	70,014	102,562	99,717
Region	Cake and meal produced		
	May 2020	April 2021	May 2021
	(tons)	(tons)	(tons)
Illinois	418,999	441,948	419,546
Iowa	806,876	796,327	779,358
North and East ¹	923,780	878,415	841,583
North Central ²	632,245	558,515	646,497
South, West and Pacific ³	463,113	439,037	504,547
West Central ⁴	725,034	659,701	658,144
Region	Cake and meal stocks		
	May 2020	April 2021	May 2021
	(tons)	(tons)	(tons)
Illinois	(D)	59,855	89,892
Iowa	82,284	48,654	87,395
North and East ¹	78,560	136,328	149,456
North Central ²	56,373	70,046	106,917
South, West and Pacific ³	(D)	43,069	89,508
West Central ⁴	72,660	59,651	69,692

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

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 2021
with Comparisons**

Item	May 2020	April 2021	May 2021
Canola			
Crush			
Seeds crushed..... tons	194,813	193,146	159,799
Crude oil produced.....1,000 pounds	161,642	160,030	134,345
Cake and meal produced..... tons	107,328	111,658	90,958
Refine			
Crude oil processed in refining.....1,000 pounds	126,876	150,342	154,670
Once refined oil produced.....1,000 pounds	122,620	144,334	149,526
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	161,074	148,155	142,872
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	63,239	33,419	38,130
Crude oil on hand end of month.....1,000 pounds	54,629	66,276	68,996
Once refined oil on hand end of month.....1,000 pounds	123,808	95,834	116,311
Cottonseed			
Crush			
Seeds crushed..... tons	93,725	95,786	125,509
Crude oil produced.....1,000 pounds	26,346	27,788	34,224
Cake and meal produced..... tons	39,903	43,800	55,035
Refine			
Crude oil processed in refining.....1,000 pounds	36,733	34,124	41,001
Once refined oil produced.....1,000 pounds	35,514	32,897	39,835
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	34,259	35,826	39,620
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	18,182	18,773	36,756
Crude oil on hand end of month.....1,000 pounds	21,900	25,286	24,482
Once refined oil on hand end of month.....1,000 pounds	39,389	19,092	18,746
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	55,030	47,205	51,792
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	(D)	84,355	81,306
Once refined oil on hand end of month.....1,000 pounds	(D)	44,237	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	177,596	158,563	167,108
Refine			
Crude oil processed in refining.....1,000 pounds	156,442	145,488	156,602
Once refined oil produced.....1,000 pounds	151,914	142,776	153,473
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	157,959	(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	(D)	65,890	68,651
Once refined oil on hand end of month.....1,000 pounds	32,862	66,926	77,664

See footnote(s) at end of table.

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

Item	May 2020	April 2021	May 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	27,202	48,662	55,999
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	43,722	64,595	50,005
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	186,065	226,817	221,930
Removed for edible use in processing 1,000 pounds	180,337	222,156	217,209
Removed for inedible use in processing..... 1,000 pounds	5,728	4,661	4,721
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	368,764	273,146	280,053
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	19,100	24,152
Once refined oil produced..... 1,000 pounds	(D)	19,053	22,612
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)	21,125	26,066
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	18,165	(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	3,950	3,107	1,182
Once refined oil produced..... 1,000 pounds	3,883	2,945	1,147
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	3,060	3,737	3,342
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	11,923	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	2,991	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	39,909	46,783	35,565
Once refined oil produced..... 1,000 pounds	37,886	43,796	33,247
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	25,194	38,978	28,054
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	30,626	61,442	44,830
Once refined oil on hand end of month..... 1,000 pounds	21,132	21,020	20,377
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: May 2021
with Comparisons**

Item	May 2020 (1,000 pounds)	April 2021 (1,000 pounds)	May 2021 (1,000 pounds)
Choice white grease			
Production.....	110,913	97,445	91,738
Removed for inedible use.....	108,731	96,310	97,532
Stocks on hand end of month.....	8,011	12,373	6,541
Feather meal			
Production.....	107,366	81,631	93,858
Stocks on hand end of month.....	29,834	15,752	14,092
Lard			
Production.....	18,726	20,696	21,085
Removed for use in processing.....	18,312	20,683	23,777
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,259	6,925	5,198
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	401,117	481,207	457,002
Stocks on hand end of month.....	66,791	68,720	62,037
Other grease			
Production.....	33,402	35,284	37,021
Removed for inedible use in processing.....	34,566	32,209	36,349
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	229,986	170,567	196,754
Removed for inedible use in processing.....	222,459	168,501	192,167
Stocks on hand end of month.....	36,139	27,299	31,886
Poultry by-product meals			
Production.....	315,975	277,928	307,753
Stocks on hand end of month.....	37,014	48,016	52,014
Tallow, edible			
Production.....	57,236	90,917	102,834
Removed for use in processing.....	54,873	92,185	107,463
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	24,724	12,000	7,522
Tallow, inedible			
Production.....	278,733	367,648	339,224
Removed for inedible use in processing.....	259,179	364,010	348,586
Stocks on hand end of month.....	107,693	105,462	(D)
Tallow, technical			
Production.....	78,736	112,081	118,323
Removed for inedible use in processing.....	77,668	110,151	119,506
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	137,949	195,987	182,045
Removed for inedible use in processing.....	124,941	203,599	183,996
Stocks on hand end of month.....	78,795	90,308	88,355

(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

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
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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
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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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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