



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

ISSN: 2379-9862

Released September 1, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

June 2021 contained 30 days.

July 2021 contained 31 days.

Soybeans crushed for crude oil was 4.99 million tons (166 million bushels) in July 2021, compared with 4.85 million tons (162 million bushels) in June 2021 and 5.54 million tons (185 million bushels) in July 2020. Crude oil produced was 1.97 billion pounds up 3 percent from June 2021 but down 7 percent from July 2020. Soybean once refined oil production at 1.58 billion pounds during July 2021 decreased 1 percent from June 2021 and decreased 5 percent from July 2020.

Canola seeds crushed for crude oil was 145,989 tons in July 2021, compared with 163,537 tons in June 2021 and 202,711 tons in July 2020. Canola crude oil produced was 125 million pounds, down 7 percent from June 2021 and down 27 percent from July 2020. Canola once refined oil production, at 147 million pounds during July 2021, was down 6 percent from June 2021 and down 8 percent from July 2020.

Cottonseed once refined oil production, at 32.9 million pounds during July 2021, was down 18 percent from June 2021 and down 12 percent from July 2020.

Edible tallow production was 85.0 million pounds during July 2021, down 16 percent from June 2021 but up 6 percent from July 2020. Inedible tallow production was 304 million pounds during July 2021, down 1 percent from June 2021 but up 3 percent from July 2020. Technical tallow production was 108 million pounds during July 2021, up 15 percent from June 2021 but down 7 percent from July 2020. Choice white grease production, at 83.6 million pounds during July 2021, decreased 6 percent from June 2021 and decreased 15 percent from July 2020.

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

Item	July 2020	June 2021	July 2021
Crush			
Soybeans crushed..... tons	5,535,196	4,852,334	4,990,975
Crude oil produced.....1,000 pounds	2,122,758	1,908,649	1,973,245
Cake and meal produced..... tons	4,080,746	3,579,777	3,699,438
For animal feed..... tons	4,024,727	3,542,326	3,638,302
For edible protein products..... tons	56,019	37,451	61,136
Millfeed produced..... tons	280,424	254,174	267,526
Refine			
Crude oil processed in refining.....1,000 pounds	1,712,925	1,639,231	1,615,916
Once refined oil produced.....1,000 pounds	1,667,551	1,599,354	1,580,418
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	116,577	144,540	117,570
Once refined oil removed for use in processing.....1,000 pounds	1,667,696	1,608,391	1,600,466
Removed for edible use in processing.....1,000 pounds	1,186,887	1,216,055	1,208,019
Removed for inedible use in processing.....1,000 pounds	480,809	392,336	392,447
Stocks			
Cake and meal on hand end of month..... tons	411,925	390,755	442,230
Millfeed on hand end of month..... tons	38,595	48,245	34,407
Crude oil on hand end of month.....1,000 pounds	1,776,460	1,682,521	1,671,632
Crusher.....1,000 pounds	729,374	831,496	822,840
Refiner.....1,000 pounds	380,940	290,681	262,887
Offsite.....1,000 pounds	666,146	560,344	585,905
Once refined oil on hand end of month.....1,000 pounds	346,764	418,133	398,855

Soybean Crushing – Regional: July 2021 with Comparisons

Region	Soybeans crushed		
	July 2020	June 2021	July 2021
	(tons)	(tons)	(tons)
Illinois	684,439	535,732	541,890
Iowa.....	1,109,862	1,052,081	1,008,359
North and East ¹	1,218,596	1,067,029	1,075,246
North Central ²	865,768	747,586	816,910
South, West and Pacific ³	676,389	591,106	659,891
West Central ⁴	980,142	858,800	888,679
Region	Crude oil produced		
	July 2020	June 2021	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	269,860	215,265	219,578
Iowa.....	418,835	416,500	399,197
North and East ¹	467,559	417,359	424,371
North Central ²	316,057	280,169	308,616
South, West and Pacific ³	266,757	230,079	257,470
West Central ⁴	383,690	349,277	364,013
Region	Crude oil stocks at crusher		
	July 2020	June 2021	July 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	135,051	138,000	124,530
Iowa.....	112,281	149,134	143,445
North and East ¹	164,513	184,364	197,277
North Central ²	198,657	166,541	160,280
South, West and Pacific ³	46,092	71,151	70,074
West Central ⁴	72,780	122,306	127,234
Region	Cake and meal produced		
	July 2020	June 2021	July 2021
	(tons)	(tons)	(tons)
Illinois	493,129	386,679	400,077
Iowa.....	809,592	776,975	740,907
North and East ¹	913,112	788,993	802,133
North Central ²	640,954	559,651	612,441
South, West and Pacific ³	503,026	433,016	485,512
West Central ⁴	720,933	634,463	658,368
Region	Cake and meal stocks		
	July 2020	June 2021	July 2021
	(tons)	(tons)	(tons)
Illinois	59,768	46,662	50,489
Iowa.....	49,142	66,789	56,689
North and East ¹	117,219	118,855	158,614
North Central ²	66,782	65,838	86,506
South, West and Pacific ³	78,073	40,902	44,885
West Central ⁴	40,941	51,709	45,047

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 2021
with Comparisons**

Item	July 2020	June 2021	July 2021
Canola			
Crush			
Seeds crushed..... tons	202,711	163,537	145,989
Crude oil produced.....1,000 pounds	171,572	134,531	124,716
Cake and meal produced..... tons	114,531	92,082	87,837
Refine			
Crude oil processed in refining.....1,000 pounds	165,881	161,257	151,815
Once refined oil produced.....1,000 pounds	160,555	156,727	147,498
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	171,720	150,195	152,871
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	58,011	32,051	29,959
Crude oil on hand end of month.....1,000 pounds	39,664	58,289	47,546
Once refined oil on hand end of month.....1,000 pounds	88,364	126,972	107,772
Cottonseed			
Crush			
Seeds crushed..... tons	115,562	109,373	96,594
Crude oil produced.....1,000 pounds	29,158	29,336	24,274
Cake and meal produced..... tons	47,302	46,800	41,717
Refine			
Crude oil processed in refining.....1,000 pounds	38,589	40,291	33,274
Once refined oil produced.....1,000 pounds	37,205	39,868	32,855
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	44,878	41,656	36,807
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	19,270	46,459	50,527
Crude oil on hand end of month.....1,000 pounds	(D)	19,998	22,000
Once refined oil on hand end of month.....1,000 pounds	34,243	17,786	14,550
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	69,857	58,897	62,246
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	78,320	138,237	77,772
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	165,848	157,540	175,524
Refine			
Crude oil processed in refining.....1,000 pounds	164,226	162,608	162,082
Once refined oil produced.....1,000 pounds	158,822	159,408	157,494
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	156,860	(D)	133,973
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	22,285	75,741	94,122
Once refined oil on hand end of month.....1,000 pounds	35,720	67,205	76,625

See footnote(s) at end of table.

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

Item	July 2020	June 2021	July 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	44,705	47,381	39,179
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	72,568	37,694	34,885
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	237,835	226,802	243,974
Removed for edible use in processing 1,000 pounds	234,175	220,906	217,720
Removed for inedible use in processing..... 1,000 pounds	3,660	5,896	26,254
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	410,634	275,597	253,639
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	28,688	30,331	29,924
Once refined oil produced..... 1,000 pounds	27,450	28,952	28,944
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	29,660	29,712	27,583
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	11,766	(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	5,198	(D)	(D)
Once refined oil produced..... 1,000 pounds	5,125	(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	6,303	4,308	5,512
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)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	32,627	51,438	51,682
Once refined oil produced..... 1,000 pounds	31,641	49,327	48,942
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	28,514	37,094	46,255
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	43,089	36,695	31,542
Once refined oil on hand end of month..... 1,000 pounds	17,718	26,415	22,632
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 2021
with Comparisons**

Item	July 2020 (1,000 pounds)	June 2021 (1,000 pounds)	July 2021 (1,000 pounds)
Choice white grease			
Production.....	98,436	88,615	83,645
Removed for inedible use.....	99,287	90,666	83,532
Stocks on hand end of month.....	8,328	4,529	4,642
Feather meal			
Production.....	92,723	84,855	80,188
Stocks on hand end of month.....	27,910	18,632	17,844
Lard			
Production.....	22,559	19,885	22,967
Removed for use in processing.....	21,416	20,972	23,031
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	8,205	6,096	6,032
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	480,455	427,461	419,876
Stocks on hand end of month.....	64,710	63,389	65,981
Other grease			
Production.....	38,728	34,356	55,949
Removed for inedible use in processing.....	40,477	28,663	53,550
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	195,113	186,549	176,395
Removed for inedible use in processing.....	199,741	183,383	180,055
Stocks on hand end of month.....	31,553	35,052	31,391
Poultry by-product meals			
Production.....	270,253	282,989	263,412
Stocks on hand end of month.....	42,485	54,577	76,132
Tallow, edible			
Production.....	80,418	101,309	85,015
Removed for use in processing.....	81,479	83,106	89,379
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)	(D)	(D)
Tallow, inedible			
Production.....	294,802	306,293	303,938
Removed for inedible use in processing.....	296,780	309,784	301,368
Stocks on hand end of month.....	95,891	(D)	(D)
Tallow, technical			
Production.....	115,434	94,045	107,856
Removed for inedible use in processing.....	114,566	93,579	109,241
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	179,650	201,313	181,301
Removed for inedible use in processing.....	176,690	197,468	173,589
Stocks on hand end of month.....	78,611	92,212	99,924

(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 – 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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