



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

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Highlights

May 2021 contained 31 days.

June 2021 contained 30 days.

Soybeans crushed for crude oil was 4.85 million tons (162 million bushels) in June 2021, compared with 5.21 million tons (174 million bushels) in May 2021 and 5.32 million tons (177 million bushels) in June 2020. Crude oil produced was 1.91 billion pounds down 7 percent from May 2021 and down 6 percent from June 2020. Soybean once refined oil production at 1.60 billion pounds during June 2021 decreased 7 percent from May 2021 but increased 2 percent from June 2020.

Canola seeds crushed for crude oil was 161,302 tons in June 2021, compared with 159,120 tons in May 2021 and 123,242 tons in June 2020. Canola crude oil produced was 133 million pounds, down 1 percent from May 2021 but up 26 percent from June 2020. Canola once refined oil production, at 154 million pounds during June 2021, was up 4 percent from May 2021 and up 33 percent from June 2020.

Cottonseed once refined oil production, at 39.9 million pounds during June 2021, was up less than 1 percent from May 2021 but down less than 1 percent from June 2020.

Edible tallow production was 89.6 million pounds during June 2021, down 13 percent from May 2021 but up 17 percent from June 2020. Inedible tallow production was 306 million pounds during June 2021, down 10 percent from May 2021 and down 6 percent from June 2020. Technical tallow production was 94.0 million pounds during June 2021, down 21 percent from May 2021 and down 15 percent from June 2020. Choice white grease production, at 88.6 million pounds during June 2021, decreased 3 percent from May 2021 and decreased 23 percent from June 2020.

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

Item	June 2020	May 2021	June 2021
Crush			
Soybeans crushed..... tons	5,318,419	5,205,032	4,852,334
Crude oil produced.....1,000 pounds	2,035,269	2,043,135	1,908,649
Cake and meal produced..... tons	3,904,725	3,849,675	3,579,777
For animal feed..... tons	3,847,451	3,800,161	3,542,326
For edible protein products..... tons	57,274	49,514	37,451
Millfeed produced..... tons	262,751	273,209	254,174
Refine			
Crude oil processed in refining.....1,000 pounds	1,602,012	1,752,280	1,638,368
Once refined oil produced.....1,000 pounds	1,567,576	1,711,860	1,598,508
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	102,003	144,540
Once refined oil removed for use in processing.....1,000 pounds	1,622,194	1,649,497	1,607,839
Removed for edible use in processing.....1,000 pounds	1,169,175	1,222,088	1,215,503
Removed for inedible use in processing.....1,000 pounds	453,019	427,409	392,336
Stocks			
Cake and meal on hand end of month..... tons	420,426	592,860	390,755
Millfeed on hand end of month..... tons	41,877	48,594	48,245
Crude oil on hand end of month.....1,000 pounds	1,925,728	1,721,223	1,682,187
Crusher.....1,000 pounds	773,306	893,077	831,496
Refiner.....1,000 pounds	450,977	248,304	290,347
Offsite.....1,000 pounds	701,445	579,842	560,344
Once refined oil on hand end of month.....1,000 pounds	345,083	425,765	417,667

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

Soybean Crushing – Regional: June 2021 with Comparisons

Region	Soybeans crushed		
	June 2020	May 2021	June 2021
	(tons)	(tons)	(tons)
Illinois	667,194	582,792	535,732
Iowa.....	982,154	1,044,686	1,052,081
North and East ¹	1,174,651	1,140,335	1,067,029
North Central ²	903,057	866,672	747,586
South, West and Pacific ³	649,999	684,564	591,106
West Central ⁴	941,364	885,983	858,800
Region	Crude oil produced		
	June 2020	May 2021	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	256,210	228,670	215,265
Iowa.....	374,079	420,025	416,500
North and East ¹	458,046	446,077	417,359
North Central ²	332,743	334,255	280,169
South, West and Pacific ³	249,481	263,865	230,079
West Central ⁴	364,710	350,243	349,277
Region	Crude oil stocks at crusher		
	June 2020	May 2021	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	108,765	140,864	138,000
Iowa.....	129,901	175,563	149,134
North and East ¹	191,839	216,426	184,364
North Central ²	231,520	191,988	166,541
South, West and Pacific ³	39,877	68,519	71,151
West Central ⁴	71,404	99,717	122,306
Region	Cake and meal produced		
	June 2020	May 2021	June 2021
	(tons)	(tons)	(tons)
Illinois	481,992	419,546	386,679
Iowa.....	720,800	779,358	776,975
North and East ¹	876,500	841,583	788,993
North Central ²	659,985	646,497	559,651
South, West and Pacific ³	472,294	504,547	433,016
West Central ⁴	693,154	658,144	634,463
Region	Cake and meal stocks		
	June 2020	May 2021	June 2021
	(tons)	(tons)	(tons)
Illinois	82,686	89,892	46,662
Iowa.....	49,376	87,395	66,789
North and East ¹	116,076	149,456	118,855
North Central ²	64,440	106,917	65,838
South, West and Pacific ³	(D)	89,508	40,902
West Central ⁴	(D)	69,692	51,709

(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: June 2021
with Comparisons**

Item	June 2020	May 2021	June 2021
Canola			
Crush			
Seeds crushed..... tons	123,242	159,120	161,302
Crude oil produced.....1,000 pounds	105,607	133,761	132,676
Cake and meal produced..... tons	68,666	90,476	90,785
Refine			
Crude oil processed in refining.....1,000 pounds	119,752	153,601	158,866
Once refined oil produced.....1,000 pounds	115,913	148,502	154,471
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	153,785	142,906	147,949
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	(D)	37,702	31,402
Crude oil on hand end of month.....1,000 pounds	46,477	69,079	57,573
Once refined oil on hand end of month.....1,000 pounds	75,750	116,197	126,598
Cottonseed			
Crush			
Seeds crushed..... tons	130,788	125,509	109,373
Crude oil produced.....1,000 pounds	37,559	34,224	29,336
Cake and meal produced..... tons	62,368	55,035	46,800
Refine			
Crude oil processed in refining.....1,000 pounds	41,390	41,001	40,291
Once refined oil produced.....1,000 pounds	40,048	39,835	39,868
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	41,355	39,620	41,656
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	22,527	36,756	46,459
Crude oil on hand end of month.....1,000 pounds	(D)	24,482	19,998
Once refined oil on hand end of month.....1,000 pounds	40,179	18,746	17,786
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	55,697	51,712	58,620
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			
Crude oil on hand end of month.....1,000 pounds	77,694	81,306	138,237
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	158,267	167,108	157,540
Refine			
Crude oil processed in refining.....1,000 pounds	161,899	156,602	162,608
Once refined oil produced.....1,000 pounds	156,803	153,473	159,408
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	157,949	(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	23,369	68,651	75,741
Once refined oil on hand end of month.....1,000 pounds	32,835	77,664	67,205

See footnote(s) at end of table.

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

Item	June 2020	May 2021	June 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	38,606	55,999	47,381
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	67,751	50,005	37,694
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	245,657	221,930	226,039
Removed for edible use in processing 1,000 pounds	241,057	217,209	220,143
Removed for inedible use in processing..... 1,000 pounds	4,600	4,721	5,896
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	430,045	280,040	275,958
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	27,311	24,152	30,331
Once refined oil produced..... 1,000 pounds	25,507	22,612	28,952
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	26,206	26,066	29,712
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	18,925	(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	4,695	(D)	(D)
Once refined oil produced..... 1,000 pounds	4,615	(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	3,966	3,415	(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	13,353	(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	42,034	35,822	43,536
Once refined oil produced..... 1,000 pounds	39,916	33,546	41,899
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	29,781	27,882	35,241
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	33,838	42,848	(D)
Once refined oil on hand end of month..... 1,000 pounds	22,446	20,601	23,938
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: June 2021
with Comparisons**

Item	June 2020 (1,000 pounds)	May 2021 (1,000 pounds)	June 2021 (1,000 pounds)
Choice white grease			
Production.....	114,975	91,738	88,615
Removed for inedible use.....	113,761	97,532	90,666
Stocks on hand end of month.....	9,152	6,541	4,529
Feather meal			
Production.....	96,402	93,858	84,855
Stocks on hand end of month.....	27,568	14,092	18,632
Lard			
Production.....	25,203	21,085	16,506
Removed for use in processing.....	26,364	23,777	21,676
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,678	5,198	3,143
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	433,970	456,634	426,934
Stocks on hand end of month.....	67,908	61,885	63,778
Other grease			
Production.....	40,935	37,021	34,137
Removed for inedible use in processing.....	38,289	36,349	28,411
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	207,202	196,754	186,549
Removed for inedible use in processing.....	207,160	192,167	183,383
Stocks on hand end of month.....	36,181	31,886	35,052
Poultry by-product meals			
Production.....	271,874	307,753	282,989
Stocks on hand end of month.....	36,721	52,014	54,577
Tallow, edible			
Production.....	76,768	102,834	89,561
Removed for use in processing.....	89,088	107,463	91,150
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	12,512	7,522	6,101
Tallow, inedible			
Production.....	324,334	339,224	306,047
Removed for inedible use in processing.....	334,144	348,586	309,502
Stocks on hand end of month.....	(D)	(D)	(D)
Tallow, technical			
Production.....	111,176	118,323	94,045
Removed for inedible use in processing.....	109,836	119,506	93,579
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	173,312	182,246	201,188
Removed for inedible use in processing.....	176,460	184,125	197,014
Stocks on hand end of month.....	75,647	88,427	92,541

(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
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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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