



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

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Highlights

July 2021 contained 31 days.

August 2021 contained 31 days.

Soybeans crushed for crude oil was 5.05 million tons (168 million bushels) in August 2021, compared with 4.99 million tons (166 million bushels) in July 2021 and 5.24 million tons (175 million bushels) in August 2020. Crude oil produced was 1.99 billion pounds up 1 percent from July 2021 but down 1 percent from August 2020. Soybean once refined oil production at 1.63 billion pounds during August 2021 increased 3 percent from July 2021 but decreased 1 percent from August 2020.

Canola seeds crushed for crude oil was 132,422 tons in August 2021, compared with 145,967 tons in July 2021 and 202,580 tons in August 2020. Canola crude oil produced was 105 million pounds, down 16 percent from July 2021 and down 39 percent from August 2020. Canola once refined oil production, at 118 million pounds during August 2021, was down 20 percent from July 2021 and down 6 percent from August 2020.

Cottonseed once refined oil production, at 33.4 million pounds during August 2021, was up 2 percent from July 2021 but down 15 percent from August 2020.

Edible tallow production was 92.9 million pounds during August 2021, up 9 percent from July 2021 and up 2 percent from August 2020. Inedible tallow production was 314 million pounds during August 2021, up 3 percent from July 2021 but down 3 percent from August 2020. Technical tallow production was 128 million pounds during August 2021, up 19 percent from July 2021 but down 4 percent from August 2020. Choice white grease production, at 96.9 million pounds during August 2021, increased 16 percent from July 2021 but decreased 8 percent from August 2020.

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

Item	August 2020	July 2021	August 2021
Crush			
Soybeans crushed..... tons	5,240,230	4,989,996	5,047,776
Crude oil produced.....1,000 pounds	2,012,823	1,972,688	1,989,733
Cake and meal produced..... tons	3,851,205	3,698,749	3,728,116
For animal feed..... tons	3,805,984	3,639,202	3,672,915
For edible protein products..... tons	45,221	59,547	55,201
Millfeed produced..... tons	260,540	267,750	267,178
Refine			
Crude oil processed in refining.....1,000 pounds	1,682,550	1,615,578	1,670,605
Once refined oil produced.....1,000 pounds	1,639,547	1,580,058	1,629,087
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	119,840	117,570	109,209
Once refined oil removed for use in processing.....1,000 pounds	1,610,021	1,600,617	1,598,863
Removed for edible use in processing.....1,000 pounds	1,137,884	1,208,117	1,189,341
Removed for inedible use in processing.....1,000 pounds	472,137	392,500	409,522
Stocks			
Cake and meal on hand end of month..... tons	388,138	442,290	344,741
Millfeed on hand end of month..... tons	32,959	34,536	38,771
Crude oil on hand end of month.....1,000 pounds	1,575,628	1,671,358	1,753,388
Crusher.....1,000 pounds	656,302	822,597	872,120
Refiner.....1,000 pounds	322,528	262,856	282,670
Offsite.....1,000 pounds	596,798	585,905	598,598
Once refined oil on hand end of month.....1,000 pounds	369,479	398,753	430,122

Soybean Crushing – Regional: August 2021 with Comparisons

Region	Soybeans crushed		
	August 2020	July 2021	August 2021
	(tons)	(tons)	(tons)
Illinois	683,793	540,911	523,927
Iowa.....	1,100,944	1,008,359	1,127,643
North and East ¹	1,136,320	1,075,246	1,095,494
North Central ²	850,283	816,910	892,792
South, West and Pacific ³	528,476	659,891	680,532
West Central ⁴	940,414	888,679	727,388
Region	Crude oil produced		
	August 2020	July 2021	August 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	270,562	219,021	211,996
Iowa.....	420,085	399,197	445,121
North and East ¹	446,338	424,371	427,196
North Central ²	311,733	308,616	341,412
South, West and Pacific ³	202,368	257,470	261,757
West Central ⁴	361,737	364,013	302,251
Region	Crude oil stocks at crusher		
	August 2020	July 2021	August 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	111,723	124,287	112,312
Iowa.....	102,529	143,445	145,444
North and East ¹	151,241	197,277	211,380
North Central ²	167,974	160,280	179,711
South, West and Pacific ³	40,970	70,074	68,778
West Central ⁴	81,865	127,234	154,495
Region	Cake and meal produced		
	August 2020	July 2021	August 2021
	(tons)	(tons)	(tons)
Illinois	494,121	399,388	388,670
Iowa.....	808,546	740,907	832,106
North and East ¹	843,230	802,133	811,541
North Central ²	628,144	612,441	663,145
South, West and Pacific ³	382,736	485,512	492,360
West Central ⁴	694,428	658,368	540,294
Region	Cake and meal stocks		
	August 2020	July 2021	August 2021
	(tons)	(tons)	(tons)
Illinois	79,781	50,549	45,926
Iowa.....	56,515	56,689	50,248
North and East ¹	86,188	158,614	89,272
North Central ²	73,354	86,506	76,153
South, West and Pacific ³	34,550	44,885	43,427
West Central ⁴	57,750	45,047	39,715

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: August 2021
with Comparisons**

Item	August 2020	July 2021	August 2021
Canola			
Crush			
Seeds crushed..... tons	202,580	145,967	132,422
Crude oil produced.....1,000 pounds	171,519	124,634	104,939
Cake and meal produced..... tons	115,606	87,751	75,274
Refine			
Crude oil processed in refining.....1,000 pounds	131,124	151,308	121,677
Once refined oil produced.....1,000 pounds	125,964	147,020	117,993
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	171,755	152,983	124,056
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	25,292	30,292	31,700
Crude oil on hand end of month.....1,000 pounds	53,405	47,186	27,061
Once refined oil on hand end of month.....1,000 pounds	98,512	108,223	101,323
Cottonseed			
Crush			
Seeds crushed..... tons	138,562	96,594	115,263
Crude oil produced.....1,000 pounds	38,257	24,274	27,982
Cake and meal produced..... tons	61,290	41,717	49,598
Refine			
Crude oil processed in refining.....1,000 pounds	40,587	33,274	34,605
Once refined oil produced.....1,000 pounds	39,340	32,855	33,445
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	45,385	36,807	34,929
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	23,827	50,527	57,833
Crude oil on hand end of month.....1,000 pounds	15,906	22,000	18,370
Once refined oil on hand end of month.....1,000 pounds	29,404	14,550	13,605
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	56,699	62,104	64,483
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	70,659	77,772	120,225
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	163,964	175,524	138,785
Refine			
Crude oil processed in refining.....1,000 pounds	153,795	162,082	(D)
Once refined oil produced.....1,000 pounds	148,511	157,494	(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	149,262	133,973	(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	52,995	94,122	81,948
Once refined oil on hand end of month.....1,000 pounds	36,011	76,625	63,618

See footnote(s) at end of table.

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

Item	August 2020	July 2021	August 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	37,943	39,179	38,363
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	81,265	34,885	39,510
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	245,568	243,974	233,007
Removed for edible use in processing 1,000 pounds	238,854	217,720	221,394
Removed for inedible use in processing..... 1,000 pounds	6,714	26,254	11,613
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	400,257	253,645	273,517
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	28,411	29,924	33,820
Once refined oil produced..... 1,000 pounds	26,412	28,944	31,731
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	27,347	27,583	30,197
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	5,292	(D)	(D)
Once refined oil produced..... 1,000 pounds	5,183	(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	4,074	4,866	(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)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	28,634	53,365	56,270
Once refined oil produced..... 1,000 pounds	27,788	50,610	54,412
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	32,085	45,928	41,163
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	35,766	31,133	34,706
Once refined oil on hand end of month..... 1,000 pounds	12,306	22,938	27,182
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: August 2021 with Comparisons

Item	August 2020 (1,000 pounds)	July 2021 (1,000 pounds)	August 2021 (1,000 pounds)
Choice white grease			
Production.....	104,807	83,645	96,856
Removed for inedible use.....	103,034	83,532	95,186
Stocks on hand end of month.....	10,100	4,642	6,313
Feather meal			
Production.....	107,198	80,188	84,291
Stocks on hand end of month.....	23,132	17,844	20,022
Lard			
Production.....	24,079	22,967	26,001
Removed for use in processing.....	22,554	23,031	25,281
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,972	6,032	7,146
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	471,223	420,054	461,480
Stocks on hand end of month.....	64,844	66,064	67,121
Other grease			
Production.....	41,693	55,949	61,586
Removed for inedible use in processing.....	39,700	53,550	63,770
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	225,399	176,395	176,931
Removed for inedible use in processing.....	221,576	180,055	173,836
Stocks on hand end of month.....	35,376	31,391	34,486
Poultry by-product meals			
Production.....	307,523	263,412	276,217
Stocks on hand end of month.....	50,020	76,132	76,506
Tallow, edible			
Production.....	91,330	85,015	92,862
Removed for use in processing.....	78,992	89,379	75,619
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.....	324,407	303,938	313,603
Removed for inedible use in processing.....	325,634	301,368	305,476
Stocks on hand end of month.....	96,196	(D)	(D)
Tallow, technical			
Production.....	132,955	107,856	128,134
Removed for inedible use in processing.....	134,788	109,241	127,791
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	171,785	181,497	175,899
Removed for inedible use in processing.....	160,004	173,678	171,186
Stocks on hand end of month.....	90,391	100,031	104,745

(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
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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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