



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

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Highlights

March 2021 contained 31 days.

April 2021 contained 30 days.

Soybeans crushed for crude oil was 5.10 million tons (170 million bushels) in April 2021, compared with 5.65 million tons (188 million bushels) in March 2021 and 5.50 million tons (183 million bushels) in April 2020. Crude oil produced was 1.99 billion pounds down 10 percent from March 2021 and down 5 percent from April 2020. Soybean once refined oil production at 1.64 billion pounds during April 2021 decreased 6 percent from March 2021 but increased 30 percent from April 2020.

Canola seeds crushed for crude oil was 193,146 tons in April 2021, compared with 207,096 tons in March 2021 and 177,888 tons in April 2020. Canola crude oil produced was 160 million pounds, down 7 percent from March 2021 but up 8 percent from April 2020. Canola once refined oil production, at 144 million pounds during April 2021, was down 7 percent from March 2021 but up 7 percent from April 2020.

Cottonseed once refined oil production, at 32.6 million pounds during April 2021, was down 24 percent from March 2021 and down 8 percent from April 2020.

Edible tallow production was 90.9 million pounds during April 2021, down 4 percent from March 2021 but up 51 percent from April 2020. Inedible tallow production was 368 million pounds during April 2021, up 1 percent from March 2021 and up 62 percent from April 2020. Technical tallow production was 112 million pounds during April 2021, up 3 percent from March 2021 and up 49 percent from April 2020. Choice white grease production, at 97 million pounds during April 2021, decreased 11 percent from March 2021 but increased 10 percent from April 2020.

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

Item	April 2020	March 2021	April 2021
Crush			
Soybeans crushed..... tons	5,501,825	5,646,728	5,095,631
Crude oil produced.....1,000 pounds	2,099,465	2,222,123	1,991,877
Cake and meal produced..... tons	4,038,220	4,181,300	3,773,943
For animal feed..... tons	3,984,610	4,128,686	3,731,721
For edible protein products..... tons	53,610	52,614	42,222
Millfeed produced..... tons	273,957	295,287	270,766
Refine			
Crude oil processed in refining.....1,000 pounds	1,288,755	1,799,682	1,678,886
Once refined oil produced.....1,000 pounds	1,261,415	1,756,293	1,642,251
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	117,421	168,184	107,443
Once refined oil removed for use in processing.....1,000 pounds	1,277,068	1,809,582	1,664,176
Removed for edible use in processing.....1,000 pounds	924,937	1,262,853	1,215,141
Removed for inedible use in processing.....1,000 pounds	352,131	546,729	449,035
Stocks			
Cake and meal on hand end of month..... tons	341,681	415,418	417,603
Millfeed on hand end of month..... tons	44,512	32,322	34,403
Crude oil on hand end of month.....1,000 pounds	2,223,538	1,864,100	1,814,888
Crusher.....1,000 pounds	939,273	881,363	945,718
Refiner.....1,000 pounds	443,346	283,755	264,724
Offsite.....1,000 pounds	840,919	698,982	604,446
Once refined oil on hand end of month.....1,000 pounds	377,063	381,178	362,700

Soybean Crushing – Regional: April 2021 with Comparisons

Region	Soybeans crushed		
	April 2020	March 2021	April 2021
	(tons)	(tons)	(tons)
Illinois	671,323	650,305	602,959
Iowa	1,112,064	1,184,103	1,077,647
North and East ¹	1,277,645	1,249,030	1,181,213
North Central ²	863,843	948,475	740,687
South, West and Pacific ³	650,338	653,920	599,822
West Central ⁴	926,612	960,895	893,303
Region	Crude oil produced		
	April 2020	March 2021	April 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	264,309	257,144	236,611
Iowa	423,253	473,760	431,292
North and East ¹	489,298	486,457	460,822
North Central ²	313,346	365,803	283,193
South, West and Pacific ³	250,523	252,520	230,159
West Central ⁴	358,736	386,439	349,800
Region	Crude oil stocks at crusher		
	April 2020	March 2021	April 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	155,734	116,301	159,970
Iowa	203,994	159,091	189,514
North and East ¹	197,397	186,154	210,365
North Central ²	251,079	253,489	230,583
South, West and Pacific ³	62,372	68,880	52,724
West Central ⁴	68,697	97,448	102,562
Region	Cake and meal produced		
	April 2020	March 2021	April 2021
	(tons)	(tons)	(tons)
Illinois	488,001	474,100	441,948
Iowa	815,390	877,859	796,327
North and East ¹	942,859	922,999	878,415
North Central ²	634,961	709,801	558,515
South, West and Pacific ³	473,168	479,929	439,037
West Central ⁴	683,841	716,612	659,701
Region	Cake and meal stocks		
	April 2020	March 2021	April 2021
	(tons)	(tons)	(tons)
Illinois	64,585	71,222	59,855
Iowa	41,711	58,250	48,654
North and East ¹	101,387	137,616	136,328
North Central ²	36,106	86,273	70,046
South, West and Pacific ³	(D)	18,042	43,069
West Central ⁴	(D)	44,015	59,651

(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: April 2021
with Comparisons**

Item	April 2020	March 2021	April 2021
Canola			
Crush			
Seeds crushed..... tons	177,888	207,096	193,146
Crude oil produced.....1,000 pounds	147,542	172,196	160,030
Cake and meal produced..... tons	98,926	115,712	111,658
Refine			
Crude oil processed in refining.....1,000 pounds	139,004	160,686	150,342
Once refined oil produced.....1,000 pounds	134,337	155,434	144,334
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	151,976	156,722	148,155
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	56,636	28,741	33,419
Crude oil on hand end of month.....1,000 pounds	59,722	49,785	66,276
Once refined oil on hand end of month.....1,000 pounds	93,134	78,543	95,834
Cottonseed			
Crush			
Seeds crushed..... tons	142,392	161,253	100,709
Crude oil produced.....1,000 pounds	40,994	43,654	29,719
Cake and meal produced..... tons	62,741	70,175	46,698
Refine			
Crude oil processed in refining.....1,000 pounds	36,567	44,452	33,888
Once refined oil produced.....1,000 pounds	35,541	43,209	32,647
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	30,304	40,352	35,971
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	23,198	20,345	29,785
Crude oil on hand end of month.....1,000 pounds	(D)	29,202	29,050
Once refined oil on hand end of month.....1,000 pounds	38,495	20,989	19,035
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	57,656	60,884	47,205
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)	41,698	84,355
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	44,237
Corn			
Crush			
Crude oil produced.....1,000 pounds	139,211	166,495	158,563
Refine			
Crude oil processed in refining.....1,000 pounds	178,513	169,962	145,488
Once refined oil produced.....1,000 pounds	173,577	167,110	142,776
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	174,245	(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	17,287	61,298	65,890
Once refined oil on hand end of month.....1,000 pounds	35,455	59,370	66,926

See footnote(s) at end of table.

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

Item	April 2020	March 2021	April 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	22,337	65,502	48,662
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	56,930	52,938	64,595
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	174,246	235,327	226,817
Removed for edible use in processing 1,000 pounds	169,248	230,217	222,156
Removed for inedible use in processing..... 1,000 pounds	4,998	5,110	4,661
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	315,651	248,371	273,146
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	17,545	23,427	19,100
Once refined oil produced..... 1,000 pounds	16,602	22,249	19,053
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	15,587	20,553	21,125
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	22,235	(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	5,002	2,024	(D)
Once refined oil produced..... 1,000 pounds	4,953	1,936	(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	6,661	3,225	(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	13,935	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	2,799	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	42,156	43,791	46,783
Once refined oil produced..... 1,000 pounds	40,395	41,371	43,796
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	29,887	37,737	38,978
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	28,876	61,607	61,442
Once refined oil on hand end of month..... 1,000 pounds	17,721	23,902	21,020
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: April 2021
with Comparisons**

Item	April 2020 (1,000 pounds)	March 2021 (1,000 pounds)	April 2021 (1,000 pounds)
Choice white grease			
Production.....	88,974	108,982	97,445
Removed for inedible use.....	93,189	107,621	96,310
Stocks on hand end of month.....	5,829	11,238	12,373
Feather meal			
Production.....	91,649	83,980	81,631
Stocks on hand end of month.....	24,130	15,568	15,752
Lard			
Production.....	20,610	17,456	15,957
Removed for use in processing.....	19,863	20,165	20,683
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	9,579	6,912	6,925
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	363,868	513,462	481,207
Stocks on hand end of month.....	56,373	68,074	68,720
Other grease			
Production.....	30,045	39,492	35,284
Removed for inedible use in processing.....	29,313	42,624	32,209
Stocks on hand end of month.....	(D)	7,046	(D)
Poultry fats			
Production.....	185,602	179,452	170,567
Removed for inedible use in processing.....	185,397	183,605	168,501
Stocks on hand end of month.....	28,613	25,233	27,299
Poultry by-product meals			
Production.....	266,643	293,462	277,928
Stocks on hand end of month.....	30,137	43,638	48,016
Tallow, edible			
Production.....	60,029	94,481	90,917
Removed for use in processing.....	45,363	98,462	92,185
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)	13,019	12,000
Tallow, inedible			
Production.....	226,905	365,475	367,648
Removed for inedible use in processing.....	238,785	368,767	364,010
Stocks on hand end of month.....	87,448	(D)	105,462
Tallow, technical			
Production.....	75,055	109,266	112,081
Removed for inedible use in processing.....	80,420	111,236	110,151
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	156,537	210,963	195,987
Removed for inedible use in processing.....	179,276	194,194	203,599
Stocks on hand end of month.....	65,885	97,920	90,308

(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
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
Irwin Anolik – Crop Weather	(202) 720-7621
Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
James Johanson – Barley, County Estimates, Hay	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
James Johanson – Rye, Wheat.....	(202) 720-8068
John Stephens – Peanuts, Rice.....	(202) 720-7688
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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