



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

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Highlights

March 2020 contained 31 days.

April 2020 contained 30 days.

Soybeans crushed for crude oil was 5.50 million tons (183 million bushels) in April 2020, compared with 5.76 million tons (192 million bushels) in March 2020 and 5.15 million tons (172 million bushels) in April 2019. Crude oil produced was 2.10 billion pounds down 5 percent from March 2020 but up 6 percent from April 2019. Soybean once refined oil production at 1.22 billion pounds during April 2020 decreased 21 percent from March 2020 and decreased 16 percent from April 2019.

Canola seeds crushed for crude oil was 177,350 tons in April 2020, compared with 187,954 tons in March 2020 and 162,467 tons in April 2019. Canola crude oil produced was 147 million pounds, down 9 percent from March 2020 but up 6 percent from April 2019. Canola once refined oil production, at 135 million pounds during April 2020, was up 10 percent from March 2020 and up 30 percent from April 2019.

Cottonseed once refined oil production, at 35.5 million pounds during April 2020, was down 18 percent from March 2020 but up 1 percent from April 2019.

Edible tallow production was 60.0 million pounds during April 2020, down 35 percent from March 2020 and down 30 percent from April 2019. Inedible tallow production was 227 million pounds during April 2020, down 33 percent from March 2020 and down 26 percent from April 2019. Technical tallow production was 75.1 million pounds during April 2020, down 34 percent from March 2020 and down 28 percent from April 2019. Choice white grease production, at 89 million pounds during April 2020, decreased 30 percent from March 2020 and decreased 16 percent from April 2019.

**Soybean Crushing, Production, Consumption and Stocks – United States: April 2020
with Comparisons**

Item	April 2019	March 2020	April 2020
Crush			
Soybeans crushed..... tons	5,146,403	5,764,867	5,501,825
Crude oil produced1,000 pounds	1,989,101	2,201,068	2,099,465
Cake and meal produced..... tons	3,763,527	4,234,605	4,039,265
For animal feed..... tons	3,722,534	4,179,583	3,984,610
For edible protein products..... tons	40,993	55,022	54,655
Millfeed produced..... tons	259,021	283,308	272,912
Refine			
Crude oil processed in refining1,000 pounds	1,496,995	1,576,365	1,249,467
Once refined oil produced.....1,000 pounds	1,460,651	1,540,931	1,223,692
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	90,051	107,897	117,421
Once refined oil removed for use in processing1,000 pounds	1,528,830	1,573,707	1,235,392
Removed for edible use in processing.....1,000 pounds	1,115,258	1,193,691	875,903
Removed for inedible use in processing.....1,000 pounds	413,572	380,016	359,489
Stocks			
Cake and meal on hand end of month..... tons	337,326	368,552	341,681
Millfeed on hand end of month..... tons	47,847	46,497	44,512
Crude oil on hand end of month1,000 pounds	1,893,351	1,933,648	2,224,007
Crusher.....1,000 pounds	916,266	856,124	939,327
Refiner.....1,000 pounds	(D)	407,465	443,761
Offsite.....1,000 pounds	(D)	670,059	840,919
Once refined oil on hand end of month1,000 pounds	364,255	393,943	377,964

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

Soybean Crushing – Regional: April 2020 with Comparisons

Region	Soybeans crushed		
	April 2019	March 2020	April 2020
	(tons)	(tons)	(tons)
Illinois	597,030	635,912	671,323
Iowa	1,147,401	1,195,974	1,112,064
North and East ¹	1,201,783	1,315,398	1,277,645
North Central ²	694,306	917,472	863,843
South, West and Pacific ³	672,911	717,311	650,338
West Central ⁴	832,972	982,800	926,612
Region	Crude oil produced		
	April 2019	March 2020	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	242,119	249,561	264,309
Iowa	446,126	454,269	423,253
North and East ¹	461,600	505,281	489,298
North Central ²	264,430	337,357	313,346
South, West and Pacific ³	258,121	275,266	250,523
West Central ⁴	316,705	379,334	358,736
Region	Crude oil stocks at crusher		
	April 2019	March 2020	April 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	202,122	125,429	155,734
Iowa	165,013	201,124	203,994
North and East ¹	207,466	189,326	197,397
North Central ²	245,447	206,518	251,133
South, West and Pacific ³	(D)	60,372	62,372
West Central ⁴	(D)	73,355	68,697
Region	Cake and meal produced		
	April 2019	March 2020	April 2020
	(tons)	(tons)	(tons)
Illinois	431,478	461,604	488,001
Iowa	844,830	874,779	815,390
North and East ¹	884,970	971,216	942,859
North Central ²	513,564	677,063	636,006
South, West and Pacific ³	481,344	524,541	473,168
West Central ⁴	607,341	725,402	683,841
Region	Cake and meal stocks		
	April 2019	March 2020	April 2020
	(tons)	(tons)	(tons)
Illinois	66,795	64,793	64,585
Iowa	75,450	59,254	41,711
North and East ¹	83,710	101,508	101,387
North Central ²	33,888	50,888	36,106
South, West and Pacific ³	(D)	39,831	(D)
West Central ⁴	(D)	52,278	(D)

(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 2020
with Comparisons**

Item	April 2019	March 2020	April 2020
Canola			
Crush			
Seeds crushed..... tons	162,467	187,954	177,350
Crude oil produced1,000 pounds	138,933	160,872	146,987
Cake and meal produced..... tons	91,629	104,055	98,804
Refine			
Crude oil processed in refining1,000 pounds	106,340	126,796	139,720
Once refined oil produced.....1,000 pounds	103,515	122,378	135,025
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	142,814	163,284	147,584
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)	(D)	(D)
Crude oil on hand end of month1,000 pounds	87,825	59,058	60,325
Once refined oil on hand end of month1,000 pounds	108,334	74,609	93,302
Cottonseed			
Crush			
Seeds crushed..... tons	133,625	157,799	142,392
Crude oil produced1,000 pounds	37,831	43,497	40,994
Cake and meal produced..... tons	59,880	70,760	62,741
Refine			
Crude oil processed in refining1,000 pounds	36,511	44,506	36,567
Once refined oil produced.....1,000 pounds	35,354	43,096	35,541
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	41,118	45,506	32,582
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	25,748	24,175	23,198
Crude oil on hand end of month1,000 pounds	43,759	30,647	(D)
Once refined oil on hand end of month1,000 pounds	27,367	34,102	39,989
Coconut			
Refine			
Crude oil processed in refining1,000 pounds	(D)	(D)	(D)
Once refined oil produced.....1,000 pounds	(D)	(D)	(D)
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	64,145	82,173	65,354
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 month1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	67,811	105,290	89,139
Corn			
Crush			
Crude oil produced1,000 pounds	168,461	179,254	139,211
Refine			
Crude oil processed in refining1,000 pounds	170,860	177,260	178,513
Once refined oil produced.....1,000 pounds	165,733	172,537	173,577
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	165,136	184,625	172,403
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 month1,000 pounds	26,863	39,481	17,287
Once refined oil on hand end of month1,000 pounds	(S)	38,905	35,455

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: April 2020 with Comparisons (continued)

Item	April 2019	March 2020	April 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	22,799	22,811	22,337
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	65,501	54,193	56,930
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	196,263	208,881	176,416
Removed for edible use in processing 1,000 pounds	190,699	199,622	169,248
Removed for inedible use in processing..... 1,000 pounds	5,564	9,259	7,168
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	307,723	349,346	318,520
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	20,572	17,545
Once refined oil produced..... 1,000 pounds	(D)	19,930	16,602
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	-	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(D)	22,485	15,587
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	19,909	14,157	22,235
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	4,857	5,519
Once refined oil produced..... 1,000 pounds	(D)	4,802	5,456
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)	6,287	6,726
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	4,963	(D)	13,126
Once refined oil on hand end of month..... 1,000 pounds	1,776	2,476	2,809
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	37,307	49,758	40,284
Once refined oil produced..... 1,000 pounds	34,939	46,869	38,899
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	(D)	38,421	29,467
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)	38,384	27,565
Once refined oil on hand end of month..... 1,000 pounds	23,739	22,322	16,711
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)

- Represents zero.

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

(S) Insufficient number of reports to establish an estimate.

**Animal Fats and Oils Production, Consumption and Stocks – United States: April 2020
with Comparisons**

Item	April 2019 (1,000 pounds)	March 2020 (1,000 pounds)	April 2020 (1,000 pounds)
Choice white grease			
Production	105,546	126,508	88,974
Removed for inedible use	104,635	125,805	93,190
Stocks on hand end of month	9,013	10,045	5,829
Feather meal			
Production	103,032	101,749	91,649
Stocks on hand end of month	23,632	20,707	24,130
Lard			
Production	28,653	30,473	20,610
Removed for use in processing	26,235	28,897	16,966
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	16,596	9,210	9,579
Meat meal, meat and bone meal, and dry rendered tankage			
Production	489,259	515,537	363,687
Stocks on hand end of month	55,399	62,079	56,444
Other grease			
Production	41,035	40,066	30,045
Removed for inedible use in processing	42,289	37,590	29,312
Stocks on hand end of month	(D)	(D)	(D)
Poultry fats			
Production	186,282	210,153	185,602
Removed for inedible use in processing	187,347	212,712	185,396
Stocks on hand end of month	23,190	28,407	28,613
Poultry by-product meals			
Production	261,761	289,530	266,643
Stocks on hand end of month	30,368	34,110	30,137
Tallow, edible			
Production	85,549	92,659	60,029
Removed for use in processing	87,403	101,567	45,131
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	15,155	8,240	(D)
Tallow, inedible			
Production	306,534	336,650	226,905
Removed for inedible use in processing	301,175	337,869	238,785
Stocks on hand end of month	85,965	99,328	87,448
Tallow, technical			
Production	103,568	114,294	75,055
Removed for inedible use in processing	113,452	123,246	80,149
Stocks on hand end of month	(D)	(D)	8,549
Yellow grease			
Production	183,244	201,657	156,781
Removed for inedible use in processing	172,944	205,498	179,327
Stocks on hand end of month	97,240	88,627	66,081

(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
Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-2127
James Johanson – Barley, County Estimates, Hay	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Jean Porter – Rye, Wheat	(202) 720-8068
John Stephens – Peanuts, Rice.....	(202) 720-7688
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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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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