



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

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Highlights

February 2020 contained 29 days.

March 2020 contained 31 days.

Soybeans crushed for crude oil was 5.76 million tons (192 million bushels) in March 2020, compared with 5.26 million tons (175 million bushels) in February 2020 and 5.38 million tons (179 million bushels) in March 2019. Crude oil produced was 2.20 billion pounds up 10 percent from February 2020 and up 5 percent from March 2019. Soybean once refined oil production at 1.54 billion pounds during March 2020 increased 13 percent from February 2020 and increased 9 percent from March 2019.

Canola seeds crushed for crude oil was 187,954 tons in March 2020, compared with 175,341 tons in February 2020 and 142,921 tons in March 2019. Canola crude oil produced was 161 million pounds, up 10 percent from February 2020 and up 31 percent from March 2019. Canola once refined oil production, at 122 million pounds during March 2020, was down 13 percent from February 2020 and down less than 1 percent from March 2019.

Cottonseed once refined oil production, at 43.1 million pounds during March 2020, was up 10 percent from February 2020 but down 6 percent from March 2019.

Edible tallow production was 92.7 million pounds during March 2020, up 1 percent from February 2020 and up 8 percent from March 2019. Inedible tallow production was 337 million pounds during March 2020, up 3 percent from February 2020 and up less than 1 percent from March 2019. Technical tallow production was 114 million pounds during March 2020, down 6 percent from February 2020 but up 19 percent from March 2019. Choice white grease production, at 127 million pounds during March 2020, increased 1 percent from February 2020 and increased 5 percent from March 2019.

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

Item	March 2019	February 2020	March 2020
Crush			
Soybeans crushed..... tons	5,383,008	5,258,777	5,764,867
Crude oil produced1,000 pounds	2,094,418	1,999,524	2,201,068
Cake and meal produced tons	3,926,558	3,863,475	4,234,605
For animal feed..... tons	3,879,565	3,813,559	4,179,583
For edible protein products tons	46,993	49,916	55,022
Millfeed produced tons	274,260	259,153	283,308
Refine			
Crude oil processed in refining1,000 pounds	1,443,099	1,401,030	1,576,365
Once refined oil produced1,000 pounds	1,413,729	1,362,414	1,540,931
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	99,527	86,466	107,897
Once refined oil removed for use in processing1,000 pounds	1,466,744	1,357,203	1,573,707
Removed for edible use in processing1,000 pounds	1,060,620	1,069,895	1,193,691
Removed for inedible use in processing1,000 pounds	406,124	287,308	380,016
Stocks			
Cake and meal on hand end of month tons	465,159	396,511	368,552
Millfeed on hand end of month tons	44,934	45,837	46,497
Crude oil on hand end of month1,000 pounds	1,893,918	1,996,747	1,933,648
Crusher.....1,000 pounds	942,477	947,485	856,124
Refiner.....1,000 pounds	(D)	463,068	407,465
Offsite.....1,000 pounds	(D)	586,194	670,059
Once refined oil on hand end of month1,000 pounds	339,011	380,702	393,943

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

Soybean Crushing – Regional: March 2020 with Comparisons

Region	Soybeans crushed		
	March 2019	February 2020	March 2020
	(tons)	(tons)	(tons)
Illinois	687,766	640,984	635,912
Iowa	1,124,006	1,088,121	1,195,974
North and East ¹	1,294,358	1,219,111	1,315,398
North Central ²	725,092	779,178	917,472
South, West and Pacific ³	665,443	612,836	717,311
West Central ⁴	886,343	918,547	982,800
Region	Crude oil produced		
	March 2019	February 2020	March 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	278,846	247,577	249,561
Iowa	441,235	415,770	454,269
North and East ¹	497,656	463,127	505,281
North Central ²	274,714	284,673	337,357
South, West and Pacific ³	261,026	234,117	275,266
West Central ⁴	340,941	354,260	379,334
Region	Crude oil stocks at crusher		
	March 2019	February 2020	March 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	185,655	207,636	125,429
Iowa	198,297	220,735	201,124
North and East ¹	218,384	202,995	189,326
North Central ²	234,168	197,700	206,518
South, West and Pacific ³	56,485	50,184	60,372
West Central ⁴	49,488	68,235	73,355
Region	Cake and meal produced		
	March 2019	February 2020	March 2020
	(tons)	(tons)	(tons)
Illinois	497,495	470,010	461,604
Iowa	825,242	795,187	874,779
North and East ¹	941,717	903,277	971,216
North Central ²	537,551	575,311	677,063
South, West and Pacific ³	478,007	444,767	524,541
West Central ⁴	646,546	674,923	725,402
Region	Cake and meal stocks		
	March 2019	February 2020	March 2020
	(tons)	(tons)	(tons)
Illinois	85,134	104,176	64,793
Iowa	97,918	57,048	59,254
North and East ¹	108,897	91,350	101,508
North Central ²	51,211	37,049	50,888
South, West and Pacific ³	69,224	32,756	39,831
West Central ⁴	52,775	74,132	52,278

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: March 2020
with Comparisons**

Item	March 2019	February 2020	March 2020
Canola			
Crush			
Seeds crushed..... tons	142,921	175,341	187,954
Crude oil produced1,000 pounds	122,641	146,789	160,872
Cake and meal produced..... tons	81,313	97,233	104,055
Refine			
Crude oil processed in refining1,000 pounds	126,726	145,032	126,796
Once refined oil produced.....1,000 pounds	122,862	140,223	122,378
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	141,149	139,858	163,284
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	84,037	50,342	59,058
Once refined oil on hand end of month1,000 pounds	110,446	91,781	74,609
Cottonseed			
Crush			
Seeds crushed..... tons	158,413	158,000	157,799
Crude oil produced1,000 pounds	42,226	46,793	43,497
Cake and meal produced..... tons	69,935	72,583	70,760
Refine			
Crude oil processed in refining1,000 pounds	47,265	40,316	44,506
Once refined oil produced.....1,000 pounds	45,661	39,113	43,096
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	46,799	41,076	45,506
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	23,696	25,466	24,175
Crude oil on hand end of month1,000 pounds	(D)	27,788	30,647
Once refined oil on hand end of month1,000 pounds	31,736	32,680	34,102
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	81,614	75,270	82,173
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	62,274	(D)	105,290
Corn			
Crush			
Crude oil produced1,000 pounds	174,917	165,022	179,254
Refine			
Crude oil processed in refining1,000 pounds	181,056	174,154	177,260
Once refined oil produced.....1,000 pounds	176,870	169,604	172,537
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	173,993	172,330	184,625
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	28,830	37,681	39,481
Once refined oil on hand end of month1,000 pounds	(S)	52,234	38,905

See footnote(s) at end of table.

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

Item	March 2019	February 2020	March 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	21,234	20,049	22,811
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	62,244	55,320	54,193
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	200,024	189,544	208,881
Removed for edible use in processing 1,000 pounds	191,297	182,239	199,622
Removed for inedible use in processing..... 1,000 pounds	8,727	7,305	9,259
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	291,345	339,202	349,346
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	23,716	20,572
Once refined oil produced..... 1,000 pounds	(D)	22,021	19,930
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)	19,261	22,485
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	25,386	14,826	14,157
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)	4,871	4,857
Once refined oil produced..... 1,000 pounds	(D)	4,870	4,802
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)	5,968	6,287
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)	9,229	(D)
Once refined oil on hand end of month..... 1,000 pounds	1,847	2,294	2,476
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	44,333	40,673	49,758
Once refined oil produced..... 1,000 pounds	40,885	38,566	46,869
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	4,441	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(D)	34,104	38,421
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)	49,314	38,384
Once refined oil on hand end of month..... 1,000 pounds	24,484	19,697	22,322
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: March 2020
with Comparisons**

Item	March 2019 (1,000 pounds)	February 2020 (1,000 pounds)	March 2020 (1,000 pounds)
Choice white grease			
Production	121,016	125,112	126,508
Removed for inedible use	120,727	124,854	126,383
Stocks on hand end of month	7,892	9,920	10,045
Feather meal			
Production	109,491	110,205	101,749
Stocks on hand end of month	26,705	25,803	20,707
Lard			
Production	28,321	34,631	30,473
Removed for use in processing	27,810	34,319	22,415
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month	14,826	7,601	9,210
Meat meal, meat and bone meal, and dry rendered tankage			
Production	522,255	508,846	515,537
Stocks on hand end of month	61,632	60,944	62,079
Other grease			
Production	44,450	41,345	40,066
Removed for inedible use in processing	44,044	42,611	38,435
Stocks on hand end of month	(D)	(D)	(D)
Poultry fats			
Production	200,261	214,949	210,153
Removed for inedible use in processing	197,498	215,684	212,242
Stocks on hand end of month	24,430	30,496	28,407
Poultry by-product meals			
Production	252,424	308,284	289,530
Stocks on hand end of month	50,973	37,502	34,110
Tallow, edible			
Production	85,957	91,790	92,659
Removed for use in processing	89,071	94,914	101,612
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month	23,240	17,193	8,240
Tallow, inedible			
Production	335,972	325,764	336,650
Removed for inedible use in processing	352,174	329,711	337,869
Stocks on hand end of month	82,006	100,547	99,328
Tallow, technical			
Production	96,061	121,049	114,294
Removed for inedible use in processing	104,024	119,456	114,809
Stocks on hand end of month	9,741	(D)	(D)
Yellow grease			
Production	197,538	173,685	201,657
Removed for inedible use in processing	215,060	184,798	204,010
Stocks on hand end of month	88,300	90,980	88,627

(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@nass.usda.gov.

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans	(202) 690-3234
Irwin Anolik – Crop Weather.....	(202) 720-7621
Chris Hawthorn – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat.....	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Barley, Sunflower, Other Oilseeds	(202) 720-7369

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- 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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