



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

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Highlights

April 2020 contained 30 days.

May 2020 contained 31 days.

Soybeans crushed for crude oil was 5.39 million tons (180 million bushels) in May 2020, compared with 5.50 million tons (183 million bushels) in April 2020 and 4.96 million tons (165 million bushels) in May 2019. Crude oil produced was 2.06 billion pounds down 2 percent from April 2020 but up 7 percent from May 2019. Soybean once refined oil production at 1.46 billion pounds during May 2020 increased 19 percent from April 2020 but decreased 3 percent from May 2019.

Canola seeds crushed for crude oil was 194,813 tons in May 2020, compared with 177,350 tons in April 2020 and 133,790 tons in May 2019. Canola crude oil produced was 162 million pounds, up 10 percent from April 2020 and up 43 percent from May 2019. Canola once refined oil production, at 123 million pounds during May 2020, was down 9 percent from April 2020 but up 6 percent from May 2019.

Cottonseed once refined oil production, at 35.5 million pounds during May 2020, was down slightly from April 2020 and down 8 percent from May 2019.

Edible tallow production was 57.2 million pounds during May 2020, down 5 percent from April 2020 and down 34 percent from May 2019. Inedible tallow production was 279 million pounds during May 2020, up 23 percent from April 2020 but down 17 percent from May 2019. Technical tallow production was 78.7 million pounds during May 2020, up 5 percent from April 2020 but down 31 percent from May 2019. Choice white grease production, at 111 million pounds during May 2020, increased 25 percent from April 2020 but decreased 3 percent from May 2019.

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

Item	May 2019	April 2020	May 2020
Crush			
Soybeans crushed..... tons	4,963,271	5,501,825	5,386,534
Crude oil produced1,000 pounds	1,915,994	2,099,465	2,057,617
Cake and meal produced tons	3,660,325	4,039,265	3,970,047
For animal feed..... tons	3,619,249	3,984,610	3,914,540
For edible protein products tons	41,076	54,655	55,507
Millfeed produced tons	249,227	272,912	270,933
Refine			
Crude oil processed in refining1,000 pounds	1,531,841	1,249,467	1,489,672
Once refined oil produced1,000 pounds	1,493,785	1,223,692	1,455,183
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	94,211	117,421	(D)
Once refined oil removed for use in processing1,000 pounds	1,545,757	1,235,392	1,476,292
Removed for edible use in processing1,000 pounds	1,121,029	875,903	1,093,508
Removed for inedible use in processing1,000 pounds	424,728	359,489	382,784
Stocks			
Cake and meal on hand end of month tons	276,276	341,681	442,173
Millfeed on hand end of month tons	35,829	44,512	55,674
Crude oil on hand end of month1,000 pounds	1,662,782	2,224,007	2,048,992
Crusher.....1,000 pounds	810,916	939,327	875,584
Refiner.....1,000 pounds	482,276	443,761	431,345
Offsite.....1,000 pounds	369,590	840,919	742,063
Once refined oil on hand end of month1,000 pounds	356,085	377,964	398,256

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

Soybean Crushing – Regional: May 2020 with Comparisons

Region	Soybeans crushed		
	May 2019	April 2020	May 2020
	(tons)	(tons)	(tons)
Illinois	472,570	671,323	576,483
Iowa	1,126,100	1,112,064	1,100,051
North and East ¹	1,160,768	1,277,645	1,242,434
North Central ²	686,496	863,843	854,165
South, West and Pacific ³	669,546	650,338	635,744
West Central ⁴	847,791	926,612	977,657
Region	Crude oil produced		
	May 2019	April 2020	May 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	196,663	264,309	229,132
Iowa	435,841	423,253	419,557
North and East ¹	436,813	489,298	476,061
North Central ²	258,860	313,346	313,372
South, West and Pacific ³	262,632	250,523	243,751
West Central ⁴	325,185	358,736	375,744
Region	Crude oil stocks at crusher		
	May 2019	April 2020	May 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	177,856	155,734	108,904
Iowa	150,470	203,994	173,673
North and East ¹	177,673	197,397	221,161
North Central ²	212,449	251,133	240,293
South, West and Pacific ³	47,482	62,372	61,539
West Central ⁴	44,986	68,697	70,014
Region	Cake and meal produced		
	May 2019	April 2020	May 2020
	(tons)	(tons)	(tons)
Illinois	353,748	488,001	418,999
Iowa	829,496	815,390	806,876
North and East ¹	850,463	942,859	923,780
North Central ²	515,103	636,006	632,245
South, West and Pacific ³	486,253	473,168	463,113
West Central ⁴	625,262	683,841	725,034
Region	Cake and meal stocks		
	May 2019	April 2020	May 2020
	(tons)	(tons)	(tons)
Illinois	44,769	64,585	(D)
Iowa	79,636	41,711	82,284
North and East ¹	67,263	101,387	78,560
North Central ²	24,176	36,106	56,373
South, West and Pacific ³	25,721	(D)	(D)
West Central ⁴	34,711	(D)	72,660

(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: May 2020
with Comparisons**

Item	May 2019	April 2020	May 2020
Canola			
Crush			
Seeds crushed..... tons	133,790	177,350	194,813
Crude oil produced1,000 pounds	113,165	146,987	161,642
Cake and meal produced..... tons	75,657	98,804	107,328
Refine			
Crude oil processed in refining1,000 pounds	118,240	139,720	126,876
Once refined oil produced.....1,000 pounds	115,344	135,025	122,620
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	136,663	147,584	150,691
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)	63,239
Crude oil on hand end of month1,000 pounds	77,520	60,325	54,629
Once refined oil on hand end of month1,000 pounds	105,005	93,302	123,808
Cottonseed			
Crush			
Seeds crushed..... tons	121,057	142,392	93,725
Crude oil produced1,000 pounds	31,983	40,994	26,346
Cake and meal produced..... tons	55,708	62,741	39,903
Refine			
Crude oil processed in refining1,000 pounds	39,742	36,567	36,733
Once refined oil produced.....1,000 pounds	38,462	35,541	35,514
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	47,041	32,582	36,406
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	34,563	23,198	18,182
Crude oil on hand end of month1,000 pounds	37,514	(D)	21,900
Once refined oil on hand end of month1,000 pounds	20,945	39,989	40,258
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	66,934	65,354	75,364
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	68,853	89,139	87,903
Corn			
Crush			
Crude oil produced1,000 pounds	178,930	139,211	177,596
Refine			
Crude oil processed in refining1,000 pounds	170,812	178,513	156,442
Once refined oil produced.....1,000 pounds	166,768	173,577	151,914
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	177,793	172,403	156,899
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	30,471	17,287	(D)
Once refined oil on hand end of month1,000 pounds	54,137	35,455	32,862

See footnote(s) at end of table.

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

Item	May 2019	April 2020	May 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	17,737	22,337	27,202
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	67,759	56,930	43,722
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	202,290	176,416	188,552
Removed for edible use in processing 1,000 pounds	193,587	169,248	180,337
Removed for inedible use in processing..... 1,000 pounds	8,703	7,168	8,215
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	307,030	318,520	371,631
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	27,786	17,545	(D)
Once refined oil produced..... 1,000 pounds	26,228	16,602	(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	25,071	15,587	(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	22,402	22,235	18,165
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)	5,519	3,950
Once refined oil produced..... 1,000 pounds	(D)	5,456	3,883
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)	6,726	3,060
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	10,081	13,126	11,923
Once refined oil on hand end of month..... 1,000 pounds	1,037	2,809	2,991
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	34,935	40,284	39,909
Once refined oil produced..... 1,000 pounds	33,229	38,899	37,886
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)	29,467	25,194
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)	27,565	30,626
Once refined oil on hand end of month..... 1,000 pounds	18,857	16,711	21,132
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: May 2020
with Comparisons**

Item	May 2019 (1,000 pounds)	April 2020 (1,000 pounds)	May 2020 (1,000 pounds)
Choice white grease			
Production	114,886	88,974	110,913
Removed for inedible use	118,664	93,189	108,731
Stocks on hand end of month	5,178	5,829	8,011
Feather meal			
Production	123,203	91,649	107,366
Stocks on hand end of month	24,779	24,130	29,834
Lard			
Production	30,821	20,610	18,726
Removed for use in processing	31,519	19,863	18,312
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	16,262	9,579	9,259
Meat meal, meat and bone meal, and dry rendered tankage			
Production	511,622	363,687	401,028
Stocks on hand end of month	61,151	56,444	66,777
Other grease			
Production	40,561	30,045	33,402
Removed for inedible use in processing	39,101	29,313	34,566
Stocks on hand end of month	(D)	(D)	(D)
Poultry fats			
Production	219,260	185,602	229,986
Removed for inedible use in processing	214,499	185,397	222,459
Stocks on hand end of month	26,531	28,613	36,139
Poultry by-product meals			
Production	307,345	266,643	315,975
Stocks on hand end of month	34,563	30,137	37,014
Tallow, edible			
Production	86,181	60,029	57,236
Removed for use in processing	88,056	46,028	55,288
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	14,346	(D)	25,684
Tallow, inedible			
Production	334,671	226,905	278,733
Removed for inedible use in processing	343,874	238,646	259,179
Stocks on hand end of month	76,672	87,448	107,693
Tallow, technical			
Production	113,450	75,055	78,736
Removed for inedible use in processing	122,632	89,343	84,846
Stocks on hand end of month	(D)	8,549	9,450
Yellow grease			
Production	187,131	156,781	136,548
Removed for inedible use in processing	185,842	179,324	124,790
Stocks on hand end of month	98,359	66,081	78,693

(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
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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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