



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

ISSN: 2379-9862

Released September 1, 2020, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

June 2020 contained 30 days.

July 2020 contained 31 days.

Soybeans crushed for crude oil was 5.54 million tons (185 million bushels) in July 2020, compared with 5.32 million tons (177 million bushels) in June 2020 and 5.38 million tons (179 million bushels) in July 2019. Crude oil produced was 2.12 billion pounds up 4 percent from June 2020 and up 2 percent from July 2019. Soybean once refined oil production at 1.58 billion pounds during July 2020 increased 5 percent from June 2020 and increased 4 percent from July 2019.

Canola seeds crushed for crude oil was 204,619 tons in July 2020, compared with 123,242 tons in June 2020 and 145,547 tons in July 2019. Canola crude oil produced was 173 million pounds, up 64 percent from June 2020 and up 42 percent from July 2019. Canola once refined oil production, at 161 million pounds during July 2020, was up 39 percent from June 2020 and up 57 percent from July 2019.

Cottonseed once refined oil production, at 37.2 million pounds during July 2020, was down 7 percent from June 2020 but up 9 percent from July 2019.

Edible tallow production was 80.4 million pounds during July 2020, up 5 percent from June 2020 but down 1 percent from July 2019. Inedible tallow production was 295 million pounds during July 2020, down 9 percent from June 2020 and down 5 percent from July 2019. Technical tallow production was 115 million pounds during July 2020, up 4 percent from June 2020 and up 29 percent from July 2019. Choice white grease production, at 98 million pounds during July 2020, decreased 14 percent from June 2020 but increased 5 percent from July 2019.

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

Item	July 2019	June 2020	July 2020
Crush			
Soybeans crushed..... tons	5,383,896	5,318,419	5,535,196
Crude oil produced1,000 pounds	2,090,168	2,035,269	2,122,460
Cake and meal produced tons	3,918,907	3,904,725	4,080,746
For animal feed..... tons	3,872,856	3,847,451	4,024,727
For edible protein products tons	46,051	57,274	56,019
Millfeed produced tons	267,367	262,751	280,424
Refine			
Crude oil processed in refining1,000 pounds	1,550,144	1,543,842	1,626,046
Once refined oil produced1,000 pounds	1,514,468	1,511,265	1,582,565
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	97,319	(D)	116,577
Once refined oil removed for use in processing1,000 pounds	1,602,979	1,583,061	1,682,932
Removed for edible use in processing1,000 pounds	1,131,172	1,174,266	1,214,538
Removed for inedible use in processing1,000 pounds	471,807	408,795	468,394
Stocks			
Cake and meal on hand end of month tons	345,450	420,426	411,925
Millfeed on hand end of month tons	39,762	41,877	38,595
Crude oil on hand end of month1,000 pounds	1,652,854	1,925,583	1,776,380
Crusher.....1,000 pounds	790,119	773,161	729,228
Refiner.....1,000 pounds	423,124	450,977	381,006
Offsite.....1,000 pounds	439,611	701,445	666,146
Once refined oil on hand end of month1,000 pounds	386,647	345,083	347,376

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

Soybean Crushing – Regional: July 2020 with Comparisons

Region	Soybeans crushed		
	July 2019	June 2020	July 2020
	(tons)	(tons)	(tons)
Illinois	692,126	667,194	684,439
Iowa	1,104,400	982,154	1,109,862
North and East ¹	1,266,215	1,174,651	1,218,596
North Central ²	766,908	903,057	865,768
South, West and Pacific ³	645,223	649,999	676,389
West Central ⁴	909,024	941,364	980,142
Region	Crude oil produced		
	July 2019	June 2020	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	277,064	256,210	269,860
Iowa	430,443	374,079	418,535
North and East ¹	490,886	458,046	467,559
North Central ²	291,825	332,743	316,057
South, West and Pacific ³	248,741	249,481	266,759
West Central ⁴	351,209	364,710	383,690
Region	Crude oil stocks at crusher		
	July 2019	June 2020	July 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	(D)	108,765	135,051
Iowa	116,694	129,901	112,281
North and East ¹	199,453	191,839	164,513
North Central ²	209,971	231,375	198,511
South, West and Pacific ³	54,633	39,877	46,092
West Central ⁴	(D)	71,404	72,780
Region	Cake and meal produced		
	July 2019	June 2020	July 2020
	(tons)	(tons)	(tons)
Illinois	493,459	481,992	493,129
Iowa	806,237	720,800	809,592
North and East ¹	919,601	876,500	913,112
North Central ²	571,223	659,985	640,954
South, West and Pacific ³	464,539	472,294	503,026
West Central ⁴	663,848	693,154	720,933
Region	Cake and meal stocks		
	July 2019	June 2020	July 2020
	(tons)	(tons)	(tons)
Illinois	61,149	82,686	59,768
Iowa	67,871	49,376	49,142
North and East ¹	94,540	116,076	117,219
North Central ²	32,820	64,440	66,782
South, West and Pacific ³	48,088	(D)	78,073
West Central ⁴	40,982	(D)	40,941

(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: July 2020
with Comparisons**

Item	July 2019	June 2020	July 2020
Canola			
Crush			
Seeds crushed..... tons	145,547	123,242	204,619
Crude oil produced1,000 pounds	121,974	105,607	173,280
Cake and meal produced..... tons	84,447	68,666	115,588
Refine			
Crude oil processed in refining1,000 pounds	106,287	119,752	166,219
Once refined oil produced.....1,000 pounds	102,407	115,913	160,885
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	143,445	143,275	158,872
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)	57,386
Crude oil on hand end of month1,000 pounds	73,663	46,477	40,530
Once refined oil on hand end of month1,000 pounds	84,217	75,750	87,620
Cottonseed			
Crush			
Seeds crushed..... tons	96,586	130,788	115,562
Crude oil produced1,000 pounds	24,978	37,559	29,158
Cake and meal produced..... tons	43,108	62,368	47,302
Refine			
Crude oil processed in refining1,000 pounds	35,114	41,390	38,589
Once refined oil produced.....1,000 pounds	33,981	40,048	37,205
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	37,448	45,241	47,834
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	39,228	22,527	19,270
Crude oil on hand end of month1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	19,094	41,067	34,998
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	70,008	49,711	76,566
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)	77,694	78,320
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced1,000 pounds	185,828	158,267	165,848
Refine			
Crude oil processed in refining1,000 pounds	188,774	161,899	164,226
Once refined oil produced.....1,000 pounds	183,005	156,803	158,822
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	195,499	156,512	155,147
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	25,592	23,369	22,285
Once refined oil on hand end of month1,000 pounds	39,559	32,835	35,720

See footnote(s) at end of table.

--continued

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

Item	July 2019	June 2020	July 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	19,835	38,606	44,705
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	75,927	67,751	72,568
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	155,179	245,657	237,835
Removed for edible use in processing 1,000 pounds	145,855	241,057	234,175
Removed for inedible use in processing..... 1,000 pounds	9,324	4,600	3,660
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	380,453	431,522	412,233
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	23,249	27,311	28,688
Once refined oil produced..... 1,000 pounds	21,671	25,507	27,450
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	25,691	26,206	29,660
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	23,625	18,925	11,766
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	1,779	4,695	4,853
Once refined oil produced..... 1,000 pounds	1,779	4,615	4,770
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)	3,966	5,281
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	11,259	13,353	(D)
Once refined oil on hand end of month..... 1,000 pounds	2,076	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	(D)	42,034	29,883
Once refined oil produced..... 1,000 pounds	32,250	39,916	29,003
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)	29,781	28,661
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	43,191	33,838	38,729
Once refined oil on hand end of month..... 1,000 pounds	18,086	22,446	18,272
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: July 2020
with Comparisons**

Item	July 2019 (1,000 pounds)	June 2020 (1,000 pounds)	July 2020 (1,000 pounds)
Choice white grease			
Production	93,335	114,975	98,436
Removed for inedible use	93,752	113,761	99,287
Stocks on hand end of month	4,704	9,152	8,328
Feather meal			
Production	108,205	96,402	92,723
Stocks on hand end of month	28,200	27,568	27,910
Lard			
Production	23,645	25,203	22,559
Removed for use in processing	23,144	26,364	21,416
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	17,653	9,678	8,205
Meat meal, meat and bone meal, and dry rendered tankage			
Production	449,593	433,974	480,767
Stocks on hand end of month	56,271	67,908	65,071
Other grease			
Production	33,857	40,937	38,728
Removed for inedible use in processing	35,095	38,289	40,477
Stocks on hand end of month	(D)	(D)	(D)
Poultry fats			
Production	207,494	207,202	195,113
Removed for inedible use in processing	208,663	207,160	199,741
Stocks on hand end of month	26,600	36,181	31,553
Poultry by-product meals			
Production	273,933	271,874	270,253
Stocks on hand end of month	39,613	36,721	42,485
Tallow, edible			
Production	80,830	76,768	80,418
Removed for use in processing	85,045	89,088	81,479
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	18,299	12,512	(D)
Tallow, inedible			
Production	310,193	324,334	294,802
Removed for inedible use in processing	304,910	334,252	297,124
Stocks on hand end of month	90,339	(D)	95,891
Tallow, technical			
Production	89,509	111,176	115,434
Removed for inedible use in processing	97,182	109,836	114,566
Stocks on hand end of month	(D)	(D)	(D)
Yellow grease			
Production	177,868	173,312	179,666
Removed for inedible use in processing	185,451	176,460	176,759
Stocks on hand end of month	87,709	75,652	78,558

(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

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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 agencies 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.