



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

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Highlights

December 2019 contained 31 days.

January 2020 contained 31 days.

Soybeans crushed for crude oil was 5.66 million tons (189 million bushels) in January 2020, compared with 5.54 million tons (185 million bushels) in December 2019 and 5.49 million tons (183 million bushels) in January 2019. Crude oil produced was 2.15 billion pounds up 2 percent from December 2019 and up 2 percent from January 2019. Soybean once refined oil production at 1.37 billion pounds during January 2020 increased 1 percent from December 2019 but decreased 2 percent from January 2019.

Canola seeds crushed for crude oil was 167,209 tons in January 2020, compared with 176,638 tons in December 2019 and 162,631 tons in January 2019. Canola crude oil produced was 139 million pounds, down 5 percent from December 2019 but up 3 percent from January 2019. Canola once refined oil production, at 101 million pounds during January 2020, was down 4 percent from December 2019 and down 19 percent from January 2019.

Cottonseed once refined oil production, at 43.3 million pounds during January 2020, was down 16 percent from December 2019 and down 13 percent from January 2019.

Edible tallow production was 80.7 million pounds during January 2020, down 8 percent from December 2019 but up 20 percent from January 2019. Inedible tallow production was 296 million pounds during January 2020, down 7 percent from December 2019 and down 8 percent from January 2019. Technical tallow production was 103 million pounds during January 2020, down 2 percent from December 2019 and down 7 percent from January 2019. Choice white grease production, at 116 million pounds during January 2020, increased 3 percent from December 2019 and increased 4 percent from January 2019.

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

Item	January 2019	December 2019	January 2020
Crush			
Soybeans crushed	5,492,127	5,542,274	5,663,403
Crude oil produced.....	2,115,799	2,110,936	2,154,427
Cake and meal produced	3,988,737	4,062,929	4,144,355
For animal feed	3,946,158	4,013,049	4,089,068
For edible protein products.....	42,579	49,880	55,287
Millfeed produced.....	280,766	274,643	281,394
Refine			
Crude oil processed in refining.....	1,425,415	1,389,872	1,407,503
Once refined oil produced	1,397,805	1,363,403	1,374,505
Consumption			
Crude oil removed for inedible use in processing	123,436	112,132	95,472
Once refined oil removed for use in processing.....	1,411,818	1,407,060	1,400,346
Removed for edible use in processing.....	1,035,898	1,018,050	1,092,464
Removed for inedible use in processing	375,920	389,010	307,882
Stocks			
Cake and meal on hand end of month.....	380,224	342,085	302,321
Millfeed on hand end of month	39,577	34,987	42,612
Crude oil on hand end of month	1,659,501	1,749,423	1,989,164
Crusher	795,882	830,219	862,567
Refiner	438,974	413,425	467,764
Offsite	424,645	505,779	658,833
Once refined oil on hand end of month.....	345,227	384,641	362,620

Soybean Crushing – Regional: January 2020 with Comparisons

Region	Soybeans crushed		
	January 2019	December 2019	January 2020
	(tons)	(tons)	(tons)
Illinois	684,581	671,352	680,082
Iowa.....	1,141,744	1,132,541	1,149,329
North and East ¹	1,294,880	1,303,311	1,331,469
North Central ²	730,058	819,147	819,487
South, West and Pacific ³	696,362	680,364	688,347
West Central ⁴	944,502	935,559	994,689
Region	Crude oil produced		
	January 2019	December 2019	January 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	269,325	263,719	262,992
Iowa.....	442,543	429,602	437,677
North and East ¹	502,921	497,540	505,365
North Central ²	276,478	297,572	301,556
South, West and Pacific ³	269,221	260,953	264,035
West Central ⁴	355,311	361,550	382,802
Region	Crude oil stocks at crusher		
	January 2019	December 2019	January 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	129,645	156,367	188,981
Iowa.....	163,529	160,311	175,855
North and East ¹	199,748	224,720	202,076
North Central ²	214,817	189,297	190,088
South, West and Pacific ³	48,335	51,790	(D)
West Central ⁴	39,808	47,734	(D)
Region	Cake and meal produced		
	January 2019	December 2019	January 2020
	(tons)	(tons)	(tons)
Illinois	486,990	493,441	494,229
Iowa.....	839,244	831,942	839,810
North and East ¹	940,010	949,863	978,893
North Central ²	540,247	605,570	602,353
South, West and Pacific ³	492,970	487,156	500,257
West Central ⁴	689,276	694,957	728,813
Region	Cake and meal stocks		
	January 2019	December 2019	January 2020
	(tons)	(tons)	(tons)
Illinois	98,116	99,599	(D)
Iowa.....	45,253	43,441	45,618
North and East ¹	97,462	54,872	68,352
North Central ²	36,196	38,531	35,194
South, West and Pacific ³	52,825	61,569	(D)
West Central ⁴	50,372	44,073	44,905

(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: January 2020
with Comparisons**

Item	January 2019	December 2019	January 2020
Canola			
Crush			
Seeds crushed..... tons	162,631	176,638	167,209
Crude oil produced..... 1,000 pounds	135,572	146,680	139,259
Cake and meal produced..... tons	91,447	98,585	94,339
Refine			
Crude oil processed in refining..... 1,000 pounds	128,949	108,757	103,581
Once refined oil produced..... 1,000 pounds	124,273	104,895	100,610
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	138,584	149,171	161,230
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 month..... 1,000 pounds	100,172	37,280	48,991
Once refined oil on hand end of month..... 1,000 pounds	96,910	93,469	85,492
Cottonseed			
Crush			
Seeds crushed..... tons	167,644	180,224	156,040
Crude oil produced..... 1,000 pounds	48,266	50,329	44,333
Cake and meal produced..... tons	79,973	81,474	68,924
Refine			
Crude oil processed in refining..... 1,000 pounds	51,521	53,311	44,505
Once refined oil produced..... 1,000 pounds	49,952	51,626	43,282
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	50,486	46,476	49,114
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	37,160	30,833	20,752
Crude oil on hand end of month..... 1,000 pounds	50,366	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	27,101	30,272	25,848
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	71,174	64,062	70,141
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)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	72,278	(D)	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	164,740	192,001	178,461
Refine			
Crude oil processed in refining..... 1,000 pounds	161,718	201,355	181,875
Once refined oil produced..... 1,000 pounds	158,040	195,936	177,405
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	161,002	178,613	167,330
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	36,552	42,071	19,549
Once refined oil on hand end of month..... 1,000 pounds	69,008	49,161	49,046

See footnote(s) at end of table.

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

Item	January 2019	December 2019	January 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	24,336	17,705	26,972
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing.....1,000 pounds	(D)	(D)	(D)
Stocks			
Once refined oil on hand end of month1,000 pounds	64,755	78,386	53,070
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	193,109	196,448	202,430
Removed for edible use in processing1,000 pounds	184,988	190,304	197,211
Removed for inedible use in processing.....1,000 pounds	8,121	6,144	5,219
Stocks			
Once refined oil on hand end of month1,000 pounds	306,703	335,741	338,839
Peanut			
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)	-
Once refined oil removed for use in processing.....1,000 pounds	(D)	(D)	(D)
Removed for edible use in processing1,000 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	35,872	11,513	13,381
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	3,077	4,012
Once refined oil produced.....1,000 pounds	(D)	3,078	4,013
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)	5,270	7,455
Removed for edible use in processing1,000 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	6,364	4,578	12,679
Once refined oil on hand end of month1,000 pounds	1,478	1,914	1,540
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	39,099	42,881	48,484
Once refined oil produced.....1,000 pounds	37,705	40,824	45,441
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	3,521
Once refined oil removed for use in processing.....1,000 pounds	(D)	38,546	40,675
Removed for edible use in processing1,000 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)	27,095	33,165
Once refined oil on hand end of month1,000 pounds	28,973	19,263	18,721
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.

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

Item	January 2019	December 2019	January 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease			
Production.....	111,538	112,592	115,706
Removed for inedible use.....	111,774	111,265	108,013
Stocks on hand end of month.....	10,066	9,738	17,431
Feather meal			
Production.....	103,733	135,567	100,659
Stocks on hand end of month.....	23,744	29,940	25,793
Lard			
Production.....	27,411	30,755	27,580
Removed for use in processing.....	26,208	31,377	19,937
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	13,951	5,938	8,970
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	444,106	503,602	461,162
Stocks on hand end of month.....	68,195	64,960	65,227
Other grease			
Production.....	28,590	40,780	38,806
Removed for inedible use in processing.....	27,296	40,866	37,465
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	207,154	189,183	200,807
Removed for inedible use in processing.....	210,203	182,201	201,075
Stocks on hand end of month.....	23,720	31,499	31,231
Poultry by-product meals			
Production.....	270,459	265,867	284,114
Stocks on hand end of month.....	49,966	43,156	39,631
Tallow, edible			
Production.....	67,184	87,347	80,744
Removed for use in processing.....	68,894	81,301	78,870
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	31,498	17,847	19,721
Tallow, inedible			
Production.....	320,826	318,050	295,633
Removed for inedible use in processing.....	314,944	322,435	291,921
Stocks on hand end of month.....	111,568	100,782	104,494
Tallow, technical			
Production.....	111,519	104,855	103,163
Removed for inedible use in processing.....	124,691	111,050	104,512
Stocks on hand end of month.....	12,405	(D)	(D)
Yellow grease			
Production.....	173,406	184,020	175,363
Removed for inedible use in processing.....	164,632	186,691	163,643
Stocks on hand end of month.....	101,894	90,620	102,340

(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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- 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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