



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

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Highlights

January 2021 contained 31 days.

February 2021 contained 28 days.

Soybeans crushed for crude oil was 4.93 million tons (164 million bushels) in February 2021, compared with 5.90 million tons (197 million bushels) in January 2021 and 5.26 million tons (175 million bushels) in February 2020. Crude oil produced was 1.93 billion pounds down 16 percent from January 2021 and down 3 percent from February 2020. Soybean once refined oil production at 1.44 billion pounds during February 2021 decreased 9 percent from January 2021 but increased 1 percent from February 2020.

Canola seeds crushed for crude oil was 162,675 tons in February 2021, compared with 186,114 tons in January 2021 and 175,341 tons in February 2020. Canola crude oil produced was 137 million pounds, down 13 percent from January 2021 and down 7 percent from February 2020. Canola once refined oil production, at 136 million pounds during February 2021, was down 1 percent from January 2021 and down 3 percent from February 2020.

Cottonseed once refined oil production, at 24.9 million pounds during February 2021, was down 38 percent from January 2021 and down 36 percent from February 2020.

Edible tallow production was 90.1 million pounds during February 2021, up 23 percent from January 2021 but down 2 percent from February 2020. Inedible tallow production was 291 million pounds during February 2021, up 8 percent from January 2021 but down 11 percent from February 2020. Technical tallow production was 97.5 million pounds during February 2021, up 11 percent from January 2021 but down 19 percent from February 2020. Choice white grease production, at 108 million pounds during February 2021, decreased 3 percent from January 2021 and decreased 13 percent from February 2020.

**Soybean Crushing, Production, Consumption and Stocks – United States: February 2021
with Comparisons**

Item	February 2020	January 2021	February 2021
Crush			
Soybeans crushed..... tons	5,258,777	5,895,360	4,930,499
Crude oil produced.....1,000 pounds	1,999,524	2,308,752	1,929,799
Cake and meal produced..... tons	3,863,475	4,353,068	3,652,574
For animal feed..... tons	3,813,559	4,294,634	3,607,780
For edible protein products..... tons	49,916	58,434	44,794
Millfeed produced..... tons	259,153	312,586	266,097
Refine			
Crude oil processed in refining.....1,000 pounds	1,469,241	1,620,678	1,473,714
Once refined oil produced.....1,000 pounds	1,428,523	1,587,925	1,444,542
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	86,466	109,089	90,729
Once refined oil removed for use in processing.....1,000 pounds	1,410,035	1,559,029	1,435,783
Removed for edible use in processing.....1,000 pounds	1,085,193	1,147,158	1,099,893
Removed for inedible use in processing.....1,000 pounds	324,842	411,871	335,890
Stocks			
Cake and meal on hand end of month..... tons	396,511	512,396	544,178
Millfeed on hand end of month..... tons	45,837	43,408	39,885
Crude oil on hand end of month.....1,000 pounds	1,996,747	1,882,069	1,870,825
Crusher.....1,000 pounds	947,485	915,444	953,464
Refiner.....1,000 pounds	463,068	287,889	293,656
Offsite.....1,000 pounds	586,194	678,736	623,705
Once refined oil on hand end of month.....1,000 pounds	380,051	423,922	435,163

Soybean Crushing – Regional: February 2021 with Comparisons

Region	Soybeans crushed		
	February 2020	January 2021	February 2021
	(tons)	(tons)	(tons)
Illinois	640,984	687,830	564,364
Iowa.....	1,088,121	1,208,731	1,006,599
North and East ¹	1,219,111	1,317,875	1,148,657
North Central ²	779,178	960,834	834,276
South, West and Pacific ³	612,836	745,378	634,444
West Central ⁴	918,547	974,712	742,159
Region	Crude oil produced		
	February 2020	January 2021	February 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	247,577	268,997	218,358
Iowa.....	415,770	481,259	403,783
North and East ¹	463,127	512,987	445,826
North Central ²	284,673	374,035	310,461
South, West and Pacific ³	234,117	281,129	245,931
West Central ⁴	354,260	390,345	305,440
Region	Crude oil stocks at crusher		
	February 2020	January 2021	February 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	207,636	160,382	165,256
Iowa.....	220,735	150,240	167,119
North and East ¹	202,995	211,885	206,603
North Central ²	197,700	217,147	228,318
South, West and Pacific ³	50,184	60,877	63,474
West Central ⁴	68,235	114,913	122,694
Region	Cake and meal produced		
	February 2020	January 2021	February 2021
	(tons)	(tons)	(tons)
Illinois	470,010	504,380	412,468
Iowa.....	795,187	893,538	745,792
North and East ¹	903,277	974,209	852,001
North Central ²	575,311	716,110	629,941
South, West and Pacific ³	444,767	545,471	466,874
West Central ⁴	674,923	719,360	545,498
Region	Cake and meal stocks		
	February 2020	January 2021	February 2021
	(tons)	(tons)	(tons)
Illinois	104,176	100,435	115,901
Iowa.....	57,048	71,100	77,897
North and East ¹	91,350	131,145	145,741
North Central ²	37,049	83,151	88,176
South, West and Pacific ³	32,756	64,494	46,045
West Central ⁴	74,132	62,071	70,418

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: February 2021
with Comparisons**

Item	February 2020	January 2021	February 2021
Canola			
Crush			
Seeds crushed..... tons	175,341	186,114	162,675
Crude oil produced.....1,000 pounds	146,789	156,818	136,767
Cake and meal produced..... tons	97,233	105,473	94,840
Refine			
Crude oil processed in refining.....1,000 pounds	144,402	142,925	140,840
Once refined oil produced.....1,000 pounds	139,600	137,882	136,031
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	144,469	143,157	147,849
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)	34,394	33,429
Crude oil on hand end of month.....1,000 pounds	52,171	67,096	55,844
Once refined oil on hand end of month.....1,000 pounds	91,440	117,918	81,667
Cottonseed			
Crush			
Seeds crushed..... tons	158,000	139,266	104,256
Crude oil produced.....1,000 pounds	46,793	37,848	30,911
Cake and meal produced..... tons	72,583	59,258	49,642
Refine			
Crude oil processed in refining.....1,000 pounds	40,316	41,233	25,578
Once refined oil produced.....1,000 pounds	39,113	39,883	24,925
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	34,479	38,392	34,426
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	25,466	13,461	18,617
Crude oil on hand end of month.....1,000 pounds	27,788	24,104	29,212
Once refined oil on hand end of month.....1,000 pounds	31,465	26,047	16,212
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	63,151	47,191	50,606
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)	69,352	57,773
Once refined oil on hand end of month.....1,000 pounds	(D)	50,295	(D)
Corn			
Crush			
Crude oil produced.....1,000 pounds	165,022	170,099	136,172
Refine			
Crude oil processed in refining.....1,000 pounds	174,154	190,988	130,641
Once refined oil produced.....1,000 pounds	169,604	188,389	127,505
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	174,056	180,999	119,626
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	37,681	56,075	64,953
Once refined oil on hand end of month.....1,000 pounds	52,234	63,176	59,692

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: February 2021 with Comparisons (continued)

Item	February 2020	January 2021	February 2021
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	20,049	56,896	52,267
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	55,320	68,643	73,793
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	186,924	205,203	199,374
Removed for edible use in processing 1,000 pounds	182,239	200,602	193,698
Removed for inedible use in processing..... 1,000 pounds	4,685	4,601	5,676
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	336,328	281,712	251,402
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	23,716	19,960	21,914
Once refined oil produced..... 1,000 pounds	22,021	19,224	20,856
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	19,261	21,028	19,680
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	14,826	12,314	9,386
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	4,871	3,951	2,267
Once refined oil produced..... 1,000 pounds	4,870	3,884	2,143
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	5,968	4,162	4,511
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	9,229	9,381	(D)
Once refined oil on hand end of month..... 1,000 pounds	2,294	1,752	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	40,673	44,939	52,038
Once refined oil produced..... 1,000 pounds	38,566	43,632	50,264
Consumption			
Crude oil removed for inedible use in processing 1,000 pounds	4,441	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	34,104	37,402	36,726
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	49,314	44,004	52,114
Once refined oil on hand end of month..... 1,000 pounds	19,697	22,564	27,562
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: February 2021
with Comparisons**

Item	February 2020 (1,000 pounds)	January 2021 (1,000 pounds)	February 2021 (1,000 pounds)
Choice white grease			
Production.....	125,112	112,172	108,286
Removed for inedible use.....	125,803	108,526	111,633
Stocks on hand end of month.....	9,920	13,223	9,877
Feather meal			
Production.....	110,205	81,286	64,520
Stocks on hand end of month.....	25,803	24,711	13,423
Lard			
Production.....	34,631	21,702	22,389
Removed for use in processing.....	34,319	21,304	24,448
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	7,601	10,355	9,621
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	508,573	416,645	424,714
Stocks on hand end of month.....	61,197	72,648	73,784
Other grease			
Production.....	41,345	33,686	30,832
Removed for inedible use in processing.....	42,611	33,936	31,214
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	214,949	167,245	136,497
Removed for inedible use in processing.....	215,684	171,675	137,241
Stocks on hand end of month.....	30,496	28,175	27,431
Poultry by-product meals			
Production.....	308,284	249,316	236,940
Stocks on hand end of month.....	37,502	47,142	50,154
Tallow, edible			
Production.....	91,790	73,053	90,103
Removed for use in processing.....	94,986	74,711	96,063
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	15,763	22,683	(D)
Tallow, inedible			
Production.....	325,764	269,443	290,555
Removed for inedible use in processing.....	329,711	265,168	280,464
Stocks on hand end of month.....	100,547	95,120	105,210
Tallow, technical			
Production.....	121,049	88,167	97,483
Removed for inedible use in processing.....	119,991	86,468	98,049
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	173,103	169,599	151,590
Removed for inedible use in processing.....	184,343	181,690	146,226
Stocks on hand end of month.....	90,849	75,943	81,160

(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

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Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
James Johanson – Barley, County Estimates, Hay	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
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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 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.

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