



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

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Update Alert – April 3, 2020

The *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* report released on April 1, 2020 by USDA's National Agricultural Statistics Service is being reissued due to changes and/or corrections made to the following tables: Soybean Crushing, Production, Consumption and Stocks – United States: February 2020 (page 2); Soybean Crushing – Regional: February 2020 (page 3).

Highlights

January 2020 contained 31 days.

February 2020 contained 29 days.

Soybeans crushed for crude oil was 5.26 million tons (175 million bushels) in February 2020, compared with 5.66 million tons (189 million bushels) in January 2020 and 4.88 million tons (163 million bushels) in February 2019. Crude oil produced was 2.00 billion pounds down 7 percent from January 2020 but up 5 percent from February 2019. Soybean once refined oil production at 1.36 billion pounds during February 2020 decreased 1 percent from January 2020 but increased 6 percent from February 2019.

Canola seeds crushed for crude oil was 175,341 tons in February 2020, compared with 167,209 tons in January 2020 and 136,421 tons in February 2019. Canola crude oil produced was 147 million pounds, up 5 percent from January 2020 and up 27 percent from February 2019. Canola once refined oil production, at 140 million pounds during February 2020, was up 39 percent from January 2020 and up 37 percent from February 2019.

Cottonseed once refined oil production, at 39.1 million pounds during February 2020, was down 10 percent from January 2020 but up 6 percent from February 2019.

Edible tallow production was 91.8 million pounds during February 2020, up 14 percent from January 2020 and up slightly from February 2019. Inedible tallow production was 326 million pounds during February 2020, up 10 percent from January 2020 but down 2 percent from February 2019. Technical tallow production was 121 million pounds during February 2020, up 17 percent from January 2020 and up 1 percent from February 2019. Choice white grease production, at 125 million pounds during February 2020, increased 8 percent from January 2020 but decreased 3 percent from February 2019.

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

Item	February 2019	January 2020	February 2020
Crush			
Soybeans crushed	4,883,434	5,663,403	5,258,777
Crude oil produced.....	1,899,196	2,154,427	1,999,524
Cake and meal produced	3,583,222	4,144,355	3,863,475
For animal feed	3,542,305	4,089,068	3,813,559
For edible protein products.....	40,917	55,287	49,916
Millfeed produced.....	253,395	281,394	259,153
Refine			
Crude oil processed in refining.....	1,317,633	1,407,503	1,401,030
Once refined oil produced	1,287,932	1,374,505	1,362,414
Consumption			
Crude oil removed for inedible use in processing	112,980	95,472	86,466
Once refined oil removed for use in processing.....	1,296,996	1,400,244	1,357,203
Removed for edible use in processing.....	960,476	1,092,464	1,069,895
Removed for inedible use in processing.....	336,520	307,780	287,308
Stocks			
Cake and meal on hand end of month.....	263,515	302,321	396,511
Millfeed on hand end of month	31,364	42,612	45,837
Crude oil on hand end of month	1,762,965	1,989,164	1,996,747
Crusher	851,704	862,567	947,485
Refiner	(D)	467,764	463,068
Offsite	(D)	658,833	586,194
Once refined oil on hand end of month.....	386,165	362,303	380,702

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

Soybean Crushing – Regional: February 2020 with Comparisons

Region	Soybeans crushed		
	February 2019	January 2020	February 2020
	(tons)	(tons)	(tons)
Illinois	590,483	680,082	640,984
Iowa	1,018,700	1,149,329	1,088,121
North and East ¹	1,162,486	1,331,469	1,219,111
North Central ²	633,558	819,487	779,178
South, West and Pacific ³	645,697	688,347	612,836
West Central ⁴	832,510	994,689	918,547
Region	Crude oil produced		
	February 2019	January 2020	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	237,892	262,992	247,577
Iowa	395,432	437,677	415,770
North and East ¹	444,840	505,365	463,127
North Central ²	239,732	301,556	284,673
South, West and Pacific ³	250,889	264,035	234,117
West Central ⁴	330,411	382,802	354,260
Region	Crude oil stocks at crusher		
	February 2019	January 2020	February 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	136,407	188,981	207,636
Iowa	184,517	175,855	220,735
North and East ¹	217,638	202,076	202,995
North Central ²	210,663	190,088	197,700
South, West and Pacific ³	(D)	(D)	50,184
West Central ⁴	(D)	(D)	68,235
Region	Cake and meal produced		
	February 2019	January 2020	February 2020
	(tons)	(tons)	(tons)
Illinois	422,969	494,229	470,010
Iowa	751,983	839,810	795,187
North and East ¹	848,293	978,893	903,277
North Central ²	465,846	602,353	575,311
South, West and Pacific ³	462,724	500,257	444,767
West Central ⁴	631,407	728,813	674,923
Region	Cake and meal stocks		
	February 2019	January 2020	February 2020
	(tons)	(tons)	(tons)
Illinois	51,570	(D)	104,176
Iowa	35,373	45,618	57,048
North and East ¹	67,969	68,352	91,350
North Central ²	34,125	35,194	37,049
South, West and Pacific ³	42,847	(D)	32,756
West Central ⁴	31,631	44,905	74,132

(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: February 2020
with Comparisons**

Item	February 2019	January 2020	February 2020
Canola			
Crush			
Seeds crushed..... tons	136,421	167,209	175,341
Crude oil produced..... 1,000 pounds	115,595	139,259	146,789
Cake and meal produced..... tons	78,565	94,339	97,233
Refine			
Crude oil processed in refining..... 1,000 pounds	105,717	103,581	145,032
Once refined oil produced..... 1,000 pounds	102,151	100,610	140,223
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	138,636	161,230	139,858
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	97,983	48,991	50,342
Once refined oil on hand end of month..... 1,000 pounds	99,975	85,492	91,781
Cottonseed			
Crush			
Seeds crushed..... tons	136,983	156,040	158,000
Crude oil produced..... 1,000 pounds	35,153	44,333	46,793
Cake and meal produced..... tons	66,168	68,924	72,583
Refine			
Crude oil processed in refining..... 1,000 pounds	38,224	44,505	40,316
Once refined oil produced..... 1,000 pounds	36,862	43,282	39,113
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	40,861	49,114	41,076
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	39,684	20,752	25,466
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	27,788
Once refined oil on hand end of month..... 1,000 pounds	28,123	25,848	32,680
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	72,946	83,979	75,270
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	74,792	127,250	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	155,624	178,461	165,022
Refine			
Crude oil processed in refining..... 1,000 pounds	163,563	181,875	174,154
Once refined oil produced..... 1,000 pounds	160,120	177,405	169,604
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	150,957	167,330	172,330
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	49,983	19,549	37,681
Once refined oil on hand end of month..... 1,000 pounds	68,410	49,046	52,234

See footnote(s) at end of table.

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

Item	February 2019	January 2020	February 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	23,452	26,972	20,049
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	65,708	53,070	55,320
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	186,593	203,212	189,544
Removed for edible use in processing1,000 pounds	178,992	197,211	182,239
Removed for inedible use in processing.....1,000 pounds	7,601	6,001	7,305
Stocks			
Once refined oil on hand end of month1,000 pounds	359,902	338,538	339,202
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	(D)	23,716
Once refined oil produced.....1,000 pounds	(D)	(D)	22,021
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	-	-	(D)
Once refined oil removed for use in processing.....1,000 pounds	(D)	(D)	19,261
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	31,624	13,381	14,826
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	4,012	4,871
Once refined oil produced.....1,000 pounds	(D)	4,013	4,870
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)	7,455	5,968
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	9,511	12,679	9,229
Once refined oil on hand end of month1,000 pounds	1,310	1,540	2,294
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	34,362	48,484	40,673
Once refined oil produced.....1,000 pounds	32,847	45,441	38,566
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	3,521	4,441
Once refined oil removed for use in processing.....1,000 pounds	(D)	40,675	34,104
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)	33,165	49,314
Once refined oil on hand end of month1,000 pounds	49,325	18,721	19,697
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: February 2020
with Comparisons**

Item	February 2019 (1,000 pounds)	January 2020 (1,000 pounds)	February 2020 (1,000 pounds)
Choice white grease			
Production.....	128,757	115,706	125,112
Removed for inedible use.....	131,967	107,614	132,623
Stocks on hand end of month.....	7,744	17,431	9,920
Feather meal			
Production.....	102,221	100,659	110,205
Stocks on hand end of month.....	25,950	25,793	25,803
Lard			
Production.....	32,447	27,580	34,631
Removed for use in processing.....	31,001	27,257	31,323
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	13,901	8,970	7,601
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	543,565	461,192	508,846
Stocks on hand end of month.....	65,523	64,873	60,944
Other grease			
Production.....	43,621	38,806	41,345
Removed for inedible use in processing.....	57,485	37,370	42,611
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	202,929	200,807	214,949
Removed for inedible use in processing.....	204,552	201,075	215,684
Stocks on hand end of month.....	21,900	31,231	30,496
Poultry by-product meals			
Production.....	294,781	284,114	308,284
Stocks on hand end of month.....	54,615	39,631	37,502
Tallow, edible			
Production.....	91,754	80,744	91,790
Removed for use in processing.....	93,032	79,496	94,879
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	20,480	20,282	17,193
Tallow, inedible			
Production.....	333,574	295,633	325,764
Removed for inedible use in processing.....	348,090	291,921	329,711
Stocks on hand end of month.....	98,695	104,494	100,547
Tallow, technical			
Production.....	119,829	103,163	121,049
Removed for inedible use in processing.....	129,290	112,441	119,456
Stocks on hand end of month.....	11,381	(D)	(D)
Yellow grease			
Production.....	206,658	175,195	173,685
Removed for inedible use in processing.....	203,453	163,724	184,796
Stocks on hand end of month.....	103,650	102,091	90,980

(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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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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