



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

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Highlights

November 2020 contained 30 days.

December 2020 contained 31 days.

Soybeans crushed for crude oil was 5.81 million tons (194 million bushels) in December 2020, compared with 5.73 million tons (191 million bushels) in November 2020 and 5.54 million tons (185 million bushels) in December 2019. Crude oil produced was 2.23 billion pounds up 1 percent from November 2020 and up 6 percent from December 2019. Soybean once refined oil production at 1.50 billion pounds during December 2020 decreased 1 percent from November 2020 but increased 10 percent from December 2019.

Canola seeds crushed for crude oil was 197,889 tons in December 2020, compared with 207,700 tons in November 2020 and 176,638 tons in December 2019. Canola crude oil produced was 164 million pounds, down 5 percent from November 2020 but up 12 percent from December 2019. Canola once refined oil production, at 139 million pounds during December 2020, was down 5 percent from November 2020 but up 33 percent from December 2019.

Cottonseed once refined oil production, at 42.0 million pounds during December 2020, was down 5 percent from November 2020 and down 19 percent from December 2019.

Edible tallow production was 73.2 million pounds during December 2020, down 11 percent from November 2020 and down 16 percent from December 2019. Inedible tallow production was 265 million pounds during December 2020, down 5 percent from November 2020 and down 17 percent from December 2019. Technical tallow production was 84.7 million pounds during December 2020, down 13 percent from November 2020 and down 19 percent from December 2019. Choice white grease production, at 111 million pounds during December 2020, decreased 5 percent from November 2020 and decreased 2 percent from December 2019.

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

Item	December 2019	November 2020	December 2020
Crush			
Soybeans crushed	5,542,274	5,731,207	5,812,997
Crude oil produced.....	2,110,936	2,206,792	2,231,718
Cake and meal produced	4,062,929	4,230,274	4,269,964
For animal feed	4,013,049	4,191,026	4,225,935
For edible protein products.....	49,880	39,248	44,029
Millfeed produced.....	274,643	286,020	299,006
Refine			
Crude oil processed in refining.....	1,389,872	1,553,431	1,534,228
Once refined oil produced	1,363,403	1,519,017	1,499,793
Consumption			
Crude oil removed for inedible use in processing	112,132	135,477	123,489
Once refined oil removed for use in processing.....	1,407,060	1,547,094	1,580,793
Removed for edible use in processing.....	1,018,050	1,072,405	1,100,939
Removed for inedible use in processing	389,010	474,689	479,854
Stocks			
Cake and meal on hand end of month.....	342,085	415,107	358,134
Millfeed on hand end of month	34,987	43,310	39,735
Crude oil on hand end of month	1,749,423	1,685,131	1,808,138
Crusher	830,219	760,165	826,872
Refiner	413,425	267,253	283,611
Offsite	505,779	657,713	697,655
Once refined oil on hand end of month.....	384,641	432,562	410,630

Soybean Crushing – Regional: December 2020 with Comparisons

Region	Soybeans crushed		
	December 2019	November 2020	December 2020
	(tons)	(tons)	(tons)
Illinois	671,352	699,518	690,879
Iowa.....	1,132,541	1,161,457	1,201,305
North and East ¹	1,303,311	1,258,202	1,287,117
North Central ²	819,147	930,684	932,909
South, West and Pacific ³	680,364	737,323	732,696
West Central ⁴	935,559	944,023	968,091
Region	Crude oil produced		
	December 2019	November 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	263,719	269,901	262,615
Iowa.....	429,602	460,839	473,167
North and East ¹	497,540	481,274	496,094
North Central ²	297,572	352,779	354,063
South, West and Pacific ³	260,953	280,184	276,627
West Central ⁴	361,550	361,815	369,152
Region	Crude oil stocks at crusher		
	December 2019	November 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	156,367	97,961	108,310
Iowa.....	160,311	123,657	131,881
North and East ¹	224,720	169,071	170,691
North Central ²	189,297	191,475	218,041
South, West and Pacific ³	51,790	55,360	67,755
West Central ⁴	47,734	122,641	130,194
Region	Cake and meal produced		
	December 2019	November 2020	December 2020
	(tons)	(tons)	(tons)
Illinois	493,441	509,635	499,812
Iowa.....	831,942	863,830	884,926
North and East ¹	949,863	933,354	956,789
North Central ²	605,570	690,980	693,826
South, West and Pacific ³	487,156	534,223	528,885
West Central ⁴	694,957	698,252	705,726
Region	Cake and meal stocks		
	December 2019	November 2020	December 2020
	(tons)	(tons)	(tons)
Illinois	99,599	87,937	86,298
Iowa.....	43,441	60,490	40,834
North and East ¹	54,872	93,138	95,944
North Central ²	38,531	66,881	51,710
South, West and Pacific ³	61,569	59,920	30,343
West Central ⁴	44,073	46,741	53,005

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: December 2020
with Comparisons**

Item	December 2019	November 2020	December 2020
Canola			
Crush			
Seeds crushed..... tons	176,638	207,700	197,889
Crude oil produced..... 1,000 pounds	146,680	173,513	163,986
Cake and meal produced..... tons	98,585	117,446	110,928
Refine			
Crude oil processed in refining..... 1,000 pounds	108,757	152,242	144,083
Once refined oil produced..... 1,000 pounds	104,895	146,857	139,215
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	149,171	154,278	145,049
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)	67,565	(D)
Crude oil on hand end of month..... 1,000 pounds	37,280	56,250	55,453
Once refined oil on hand end of month..... 1,000 pounds	93,469	74,280	101,936
Cottonseed			
Crush			
Seeds crushed..... tons	180,224	142,892	154,418
Crude oil produced..... 1,000 pounds	50,329	38,619	43,370
Cake and meal produced..... tons	81,474	62,962	68,869
Refine			
Crude oil processed in refining..... 1,000 pounds	53,311	45,649	43,558
Once refined oil produced..... 1,000 pounds	51,626	44,106	42,043
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	46,476	36,494	44,679
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	30,833	18,951	18,892
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	20,120
Once refined oil on hand end of month..... 1,000 pounds	30,272	35,014	33,036
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	64,062	61,561	53,980
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)	52,908	65,241
Once refined oil on hand end of month..... 1,000 pounds	(D)	65,017	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	192,001	173,425	174,823
Refine			
Crude oil processed in refining..... 1,000 pounds	201,355	153,674	176,790
Once refined oil produced..... 1,000 pounds	195,936	148,637	182,228
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	178,613	132,533	(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	42,071	64,679	61,372
Once refined oil on hand end of month..... 1,000 pounds	49,161	60,800	73,327

See footnote(s) at end of table.

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

Item	December 2019	November 2020	December 2020
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	17,705	59,200	51,665
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	78,386	93,981	79,302
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	196,448	233,528	237,154
Removed for edible use in processing1,000 pounds	190,304	227,421	229,899
Removed for inedible use in processing.....1,000 pounds	6,144	6,107	7,255
Stocks			
Once refined oil on hand end of month1,000 pounds	335,741	297,246	273,155
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	33,547	26,560
Once refined oil produced.....1,000 pounds	(D)	31,457	25,230
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)	35,787	24,576
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	11,513	11,700	10,684
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)
Safflower			
Refine			
Crude oil processed in refining.....1,000 pounds	3,077	4,000	3,276
Once refined oil produced.....1,000 pounds	3,078	4,071	3,334
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	5,270	4,306	5,486
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	4,578	8,968	6,685
Once refined oil on hand end of month1,000 pounds	1,914	1,726	1,285
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	42,881	56,084	53,630
Once refined oil produced.....1,000 pounds	40,824	54,526	52,968
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	38,546	44,156	45,122
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	27,095	36,180	44,191
Once refined oil on hand end of month1,000 pounds	19,263	21,718	22,746
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: December 2020
with Comparisons**

Item	December 2019	November 2020	December 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease			
Production.....	112,592	116,917	110,632
Removed for inedible use.....	111,265	115,358	114,200
Stocks on hand end of month.....	9,738	13,145	9,577
Feather meal			
Production.....	135,567	106,956	106,009
Stocks on hand end of month.....	29,940	25,515	22,258
Lard			
Production.....	30,755	26,652	24,185
Removed for use in processing.....	31,377	27,865	22,969
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	5,938	6,319	8,599
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	503,602	468,428	439,989
Stocks on hand end of month.....	64,960	69,324	68,824
Other grease			
Production.....	40,780	35,378	38,730
Removed for inedible use in processing.....	40,866	36,308	39,049
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	189,183	216,160	207,114
Removed for inedible use in processing.....	182,201	218,693	205,663
Stocks on hand end of month.....	31,499	28,441	29,892
Poultry by-product meals			
Production.....	265,867	303,464	286,120
Stocks on hand end of month.....	43,156	38,541	39,301
Tallow, edible			
Production.....	87,347	82,585	73,204
Removed for use in processing.....	81,301	80,116	72,403
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	17,847	23,283	(D)
Tallow, inedible			
Production.....	318,050	279,307	264,828
Removed for inedible use in processing.....	322,435	280,313	270,562
Stocks on hand end of month.....	100,782	(D)	90,847
Tallow, technical			
Production.....	104,855	97,134	84,720
Removed for inedible use in processing.....	111,050	97,398	85,516
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	184,020	172,894	179,521
Removed for inedible use in processing.....	186,691	166,316	178,153
Stocks on hand end of month.....	90,620	86,732	88,094

(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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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
Jean Porter – Rye, Wheat.....	(202) 720-8068
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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.

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