



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

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Highlights

April 2024 contained 30 days.

May 2024 contained 31 days.

Soybeans crushed for crude oil was 5.76 million tons (192 million bushels) in May 2024, compared with 5.33 million tons (178 million bushels) in April 2024 and 5.68 million tons (189 million bushels) in May 2023. Crude oil produced was 2.27 billion pounds, up 8 percent from April 2024 and up 2 percent from May 2023. Soybean once refined oil production at 1.78 billion pounds during May 2024 increased 4 percent from April 2024 but decreased 3 percent from May 2023.

Canola seeds crushed for crude oil was 143,469 tons in May 2024, compared with 188,515 tons in April 2024 and 140,590 tons in May 2023. Canola crude oil produced was 117 million pounds, down 24 percent from April 2024 but up 2 percent from May 2023. Canola once refined oil production, at 115 million pounds during May 2024, was down 23 percent from April 2024 but up 7 percent from May 2023.

Cottonseed once refined oil production, at 30.9 million pounds during May 2024, was up 10 percent from April 2024 and up 24 percent from May 2023.

Edible tallow production was 88.0 million pounds during May 2024, up 17 percent from April 2024 and up 5 percent from May 2023. Inedible tallow production was 325 million pounds during May 2024, up 4 percent from April 2024 but down 3 percent from May 2023. Technical tallow production was 134 million pounds during May 2024, up 6 percent from April 2024 and up 21 percent from May 2023. Choice white grease production, at 90.4 million pounds during May 2024, decreased 8 percent from April 2024 and decreased 23 percent from May 2023.

**Soybean Crushing, Production, Consumption and Stocks – United States: May 2024
with Comparisons**

Item	May 2023	April 2024	May 2024
Crush			
Soybeans crushed..... tons	5,679,096	5,332,051	5,759,617
Crude oil produced.....1,000 pounds	2,228,372	2,097,756	2,271,018
Cake and meal produced..... tons	4,182,704	3,935,786	4,231,975
For animal feed..... tons	4,145,458	3,889,177	4,175,354
For edible protein products..... tons	37,246	46,609	56,621
Millfeed produced..... tons	278,564	269,827	284,919
Refine			
Crude oil processed in refining.....1,000 pounds	1,887,942	1,762,840	1,816,618
Once refined oil produced.....1,000 pounds	1,841,848	1,718,284	1,779,877
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	1,850,213	1,761,336	1,780,915
Removed for edible use in processing.....1,000 pounds	1,254,726	1,254,240	1,249,871
Removed for inedible use in processing.....1,000 pounds	595,487	507,096	531,044
Stocks			
Cake and meal on hand end of month..... tons	388,763	287,066	309,446
Millfeed on hand end of month..... tons	39,776	48,367	49,362
Crude oil on hand end of month.....1,000 pounds	1,924,950	1,856,452	1,732,564
Crusher.....1,000 pounds	941,244	1,047,690	956,263
Refiner.....1,000 pounds	317,892	283,019	257,091
Offsite.....1,000 pounds	665,814	525,743	519,210
Once refined oil on hand end of month.....1,000 pounds	461,272	454,915	454,275

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

Soybean Crushing – Regional: May 2024 with Comparisons

Region	Soybeans crushed		
	May 2023	April 2024	May 2024
	(tons)	(tons)	(tons)
Illinois	663,963	568,959	567,872
Iowa	1,155,161	1,229,973	1,301,513
North and East ¹	1,283,471	1,261,496	1,367,887
North Central ²	969,711	941,406	1,081,852
South, West and Pacific ³	641,692	622,644	614,553
West Central ⁴	965,098	707,573	825,940
Region	Crude oil produced		
	May 2023	April 2024	May 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	260,262	234,299	227,743
Iowa	458,126	484,341	513,267
North and East ¹	505,329	499,100	535,999
North Central ²	371,420	365,824	427,651
South, West and Pacific ³	248,459	235,593	243,433
West Central ⁴	384,776	278,599	322,925
Region	Crude oil stocks at crusher		
	May 2023	April 2024	May 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	122,002	165,224	126,314
Iowa	157,684	192,919	173,476
North and East ¹	243,405	271,242	266,812
North Central ²	201,120	213,389	204,527
South, West and Pacific ³	87,928	77,618	59,688
West Central ⁴	129,105	127,298	125,446
Region	Cake and meal produced		
	May 2023	April 2024	May 2024
	(tons)	(tons)	(tons)
Illinois	475,250	418,736	408,678
Iowa	856,941	907,123	959,600
North and East ¹	953,075	928,444	995,218
North Central ²	705,163	691,742	805,857
South, West and Pacific ³	475,367	463,599	448,374
West Central ⁴	716,908	526,142	614,248
Region	Cake and meal stocks		
	May 2023	April 2024	May 2024
	(tons)	(tons)	(tons)
Illinois	49,029	30,908	24,580
Iowa	48,722	49,818	86,178
North and East ¹	174,554	78,966	82,519
North Central ²	49,372	66,113	55,663
South, West and Pacific ³	33,417	25,023	25,789
West Central ⁴	33,669	36,238	34,717

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: May 2024
with Comparisons**

Item	May 2023	April 2024	May 2024
Canola			
Crush			
Seeds crushed..... tons	140,590	188,515	143,469
Crude oil produced.....1,000 pounds	114,408	152,900	116,521
Cake and meal produced..... tons	76,920	108,408	83,246
Refine			
Crude oil processed in refining.....1,000 pounds	111,061	153,713	119,536
Once refined oil produced.....1,000 pounds	107,909	148,644	115,154
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	125,334	147,023	117,529
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)	24,955	24,892
Crude oil on hand end of month.....1,000 pounds	71,326	49,270	51,296
Once refined oil on hand end of month.....1,000 pounds	87,638	88,930	94,710
Cottonseed			
Crush			
Seeds crushed..... tons	77,100	87,783	99,610
Crude oil produced.....1,000 pounds	24,744	25,623	28,123
Cake and meal produced..... tons	36,517	39,421	45,679
Refine			
Crude oil processed in refining.....1,000 pounds	25,640	28,858	31,696
Once refined oil produced.....1,000 pounds	24,814	27,968	30,854
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	35,364	31,508	35,612
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	32,320	14,874	26,066
Crude oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	28,969	45,743	41,660
Coconut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	27,517	34,101
Once refined oil produced.....1,000 pounds	(D)	27,173	33,567
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	45,475	36,275	41,950
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	73,489	91,176	108,947
Once refined oil on hand end of month.....1,000 pounds	(D)	60,939	52,385
Corn			
Crush			
Crude oil produced.....1,000 pounds	159,873	123,709	155,301
Refine			
Crude oil processed in refining.....1,000 pounds	137,623	153,521	175,786
Once refined oil produced.....1,000 pounds	135,939	149,294	171,028
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	145,655	126,002	143,486
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	72,203	108,158	92,210
Once refined oil on hand end of month.....1,000 pounds	84,855	71,054	(D)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: May 2024 with Comparisons (continued)

Item	May 2023	April 2024	May 2024
Palm kernel			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	23,887	41,814	41,345
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 month.....1,000 pounds	53,833	87,200	62,100
Palm			
Consumption			
Once refined oil removed for use in processing.....1,000 pounds	190,797	213,684	182,642
Removed for edible use in processing1,000 pounds	185,109	210,910	(D)
Removed for inedible use in processing.....1,000 pounds	5,688	2,774	(D)
Stocks			
Once refined oil on hand end of month.....1,000 pounds	356,708	298,938	304,871
Peanut			
Refine			
Crude oil processed in refining.....1,000 pounds	23,171	(D)	24,691
Once refined oil produced.....1,000 pounds	23,147	(D)	24,033
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	22,297	(D)	23,938
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	26,627	19,215	18,524
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Safflower			
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 processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	5,073	8,676	3,847
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	7,819	9,078	4,010
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining.....1,000 pounds	25,595	28,265	(D)
Once refined oil produced.....1,000 pounds	24,562	26,692	(D)
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	(D)	26,266	24,755
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	51,038	36,714	(D)
Once refined oil on hand end of month.....1,000 pounds	28,042	26,146	19,068

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

**Animal Fats and Oils Production, Consumption and Stocks – United States: May 2024
with Comparisons**

Item	May 2023 (1,000 pounds)	April 2024 (1,000 pounds)	May 2024 (1,000 pounds)
Choice white grease			
Production.....	118,053	97,826	90,384
Removed for inedible use.....	119,232	98,656	92,680
Stocks on hand end of month.....	6,182	5,694	13,428
Feather meal			
Production.....	102,046	75,001	94,433
Stocks on hand end of month.....	17,744	16,139	20,352
Lard			
Production.....	29,384	15,925	19,397
Removed for use in processing.....	31,934	19,040	19,957
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	11,634	(D)	(D)
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	450,452	422,717	421,677
Stocks on hand end of month.....	53,508	54,434	50,772
Other grease			
Production.....	18,069	18,482	19,425
Removed for inedible use in processing.....	23,713	18,163	20,421
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	197,783	161,219	196,414
Removed for inedible use in processing.....	202,052	155,484	197,587
Stocks on hand end of month.....	20,944	32,648	31,475
Poultry by-product meals			
Production.....	348,432	299,028	348,366
Stocks on hand end of month.....	82,947	110,987	119,446
Tallow, edible			
Production.....	83,634	74,881	87,971
Removed for use in processing.....	94,994	73,675	90,246
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	11,615	10,534	8,309
Tallow, inedible			
Production.....	334,453	311,811	324,949
Removed for inedible use in processing.....	341,330	313,906	317,894
Stocks on hand end of month.....	(D)	83,876	85,344
Tallow, technical			
Production.....	110,558	126,838	134,303
Removed for inedible use in processing.....	110,267	121,689	132,155
Stocks on hand end of month.....	(D)	(D)	5,894
Yellow grease			
Production.....	178,167	(D)	(D)
Removed for inedible use in processing.....	187,312	(D)	(D)
Stocks on hand end of month.....	103,946	(D)	(D)

(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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Natasha Bruton – Barley, Cotton System Consumption and Stocks, Grain Crushings	(202) 690-1042
David Colwell – Fats and Oils, Flour Milling Products	(202) 720-8800
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Greg Lemmons – Corn, Proso Millet, Rice.....	(202) 720-9526
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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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