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

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Highlights

May 2024 contained 31 days.
June 2024 contained 30 days.

Soybeans crushed for crude oil was 5.51 million tons (184 million bushels) in June 2024, compared with 5.75 million tons (192 million bushels) in May 2024 and 5.24 million tons (175 million bushels) in June 2023. Crude oil produced was 2.18 billion pounds, down 4 percent from May 2024 but up 5 percent from June 2023. Soybean once refined oil production at 1.71 billion pounds during June 2024 decreased 4 percent from May 2024 and decreased 1 percent from June 2023.

Canola seeds crushed for crude oil was 198,005 tons in June 2024, compared with 143,469 tons in May 2024 and 158,305 tons in June 2023. Canola crude oil produced was 160 million pounds, up 38 percent from May 2024 and up 25 percent from June 2023. Canola once refined oil production, at 147 million pounds during June 2024, was up 28 percent from May 2024 and up 9 percent from June 2023.

Cottonseed once refined oil production, at 30.1 million pounds during June 2024, was down 2 percent from May 2024 but up 3 percent from June 2023.

Edible tallow production was 71.2 million pounds during June 2024, down 19 percent from May 2024 and down 18 percent from June 2023. Inedible tallow production was 320 million pounds during June 2024, down 1 percent from May 2024 but up 14 percent from June 2023. Technical tallow production was 126 million pounds during June 2024, down 6 percent from May 2024 but up 17 percent from June 2023. Choice white grease production, at 83.8 million pounds during June 2024, decreased 7 percent from May 2024 and decreased 24 percent from June 2023.

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

Item	June 2023	May 2024	June 2024
Crush			
Soybeans crushed ..... tons	5,236,516	5,754,152	5,510,461
Crude oil produced ..... 1,000 pounds	2,074,857	2,268,842	2,183,615
Cake and meal produced ..... tons	3,886,684	4,226,504	4,055,237
For animal feed ..... tons	3,843,555	4,168,134	3,995,568
For edible protein products ..... tons	43,129	58,370	59,669
Millfeed produced ..... tons	265,644	284,506	279,769
Refine			
Crude oil processed in refining ..... 1,000 pounds	1,761,023	1,816,618	1,750,958
Once refined oil produced ..... 1,000 pounds	1,726,022	1,779,877	1,709,114
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	1,757,969	1,780,915	1,720,893
Removed for edible use in processing ..... 1,000 pounds	1,168,498	1,249,871	1,192,504
Removed for inedible use in processing ..... 1,000 pounds	589,471	531,044	528,389
Stocks			
Cake and meal on hand end of month ..... tons	331,209	307,462	432,648
Millfeed on hand end of month ..... tons	34,355	44,983	60,281
Crude oil on hand end of month ..... 1,000 pounds	1,770,166	1,734,100	1,680,770
Crusher ..... 1,000 pounds	889,944	957,799	955,767
Refiner ..... 1,000 pounds	279,811	257,091	241,775
Offsite ..... 1,000 pounds	600,411	519,210	483,228
Once refined oil on hand end of month ..... 1,000 pounds	432,869	454,275	444,219

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

Soybean Crushing – Regional: June 2024 with Comparisons

Region	Soybeans crushed		
	June 2023	May 2024	June 2024
	(tons)	(tons)	(tons)
Illinois	639,556	567,872	609,361
Iowa	1,059,054	1,301,450	1,045,894
North and East [1]	1,143,567	1,362,485	1,264,861
North Central [2]	875,341	1,081,852	1,069,796
South, West and Pacific [3]	583,067	614,553	675,597
West Central [4]	935,931	825,940	844,952

Region	Crude oil produced		
	June 2023	May 2024	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	258,909	227,743	249,278
Iowa	419,952	513,456	417,750
North and East [1]	452,665	533,634	498,735
North Central [2]	335,498	427,651	422,222
South, West and Pacific [3]	227,986	243,433	263,618
West Central [4]	379,847	322,925	332,012

Region	Crude oil stocks at crusher		
	June 2023	May 2024	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	138,926	126,314	127,905
Iowa	136,533	175,873	149,370
North and East [1]	228,647	265,951	268,067
North Central [2]	191,505	204,527	199,256
South, West and Pacific [3]	67,283	59,688	74,381
West Central [4]	127,050	125,446	136,788

Region	Cake and meal produced		
	June 2023	May 2024	June 2024
	(tons)	(tons)	(tons)
Illinois	470,494	408,678	445,521
Iowa	781,650	958,785	773,797
North and East [1]	853,953	990,562	930,761
North Central [2]	652,019	805,857	787,284
South, West and Pacific [3]	432,987	448,374	490,694
West Central [4]	695,581	614,248	627,180

Region	Cake and meal stocks		
	June 2023	May 2024	June 2024
	(tons)	(tons)	(tons)
Illinois	(D)	24,580	45,511
Iowa	42,485	86,136	78,426
North and East [1]	100,671	80,577	98,373
North Central [2]	43,635	55,663	67,091
South, West and Pacific [3]	(D)	25,789	85,437
West Central [4]	47,375	34,717	57,810

(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: June 2024 with Comparisons

Item	June 2023	May 2024	June 2024
Canola			
Crush			
Seeds crushed ... tons	158,305	143,469	198,005
Crude oil produced ... 1,000 pounds	127,999	116,521	160,270
Cake and meal produced ... tons	93,550	83,246	116,489
Refine			
Crude oil processed in refining ... 1,000 pounds	139,311	119,536	151,436
Once refined oil produced ... 1,000 pounds	134,810	115,154	147,378
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	135,231	117,529	148,011
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)	24,892	30,902
Crude oil on hand end of month ... 1,000 pounds	71,429	51,296	54,660
Once refined oil on hand end of month ... 1,000 pounds	88,070	94,710	91,941
Cottonseed			
Crush			
Seeds crushed ... tons	112,069	99,610	76,152
Crude oil produced ... 1,000 pounds	28,808	28,123	19,614
Cake and meal produced ... tons	46,755	45,679	33,677
Refine			
Crude oil processed in refining ... 1,000 pounds	29,985	31,696	30,940
Once refined oil produced ... 1,000 pounds	29,262	30,854	30,125
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	28,622	35,612	33,526
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	44,954	26,066	28,965
Crude oil on hand end of month ... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month ... 1,000 pounds	31,031	41,660	36,373
Coconut			
Refine			
Crude oil processed in refining ... 1,000 pounds	38,420	34,101	28,155
Once refined oil produced ... 1,000 pounds	38,315	33,567	27,981
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	44,501	41,950	36,158
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	71,699	108,947	125,796
Once refined oil on hand end of month ... 1,000 pounds	(D)	52,385	(D)
Corn			
Crush			
Crude oil produced ... 1,000 pounds	160,433	155,301	163,818
Refine			
Crude oil processed in refining ... 1,000 pounds	135,130	175,786	138,882
Once refined oil produced ... 1,000 pounds	131,616	171,028	134,741
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	147,220	143,486	102,849
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			
Crude oil on hand end of month ... 1,000 pounds	79,543	92,210	75,559
Once refined oil on hand end of month ... 1,000 pounds	54,807	(D)	(D)

See footnote(s) at end of table.

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

Item		June 2023	May 2024	June 2024
Palm kernel				
Consumption				
Once refined oil removed for use in processing	1,000 pounds	22,359	41,345	36,349
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	62,207	62,100	73,228
Palm				
Consumption				
Once refined oil removed for use in processing	1,000 pounds	195,764	182,642	183,109
Removed for edible use in processing	1,000 pounds	189,849	180,986	180,190
Removed for inedible use in processing	1,000 pounds	5,915	(D)	2,919
Stocks				
Once refined oil on hand end of month	1,000 pounds	356,514	304,871	262,388
Peanut				
Refine				
Crude oil processed in refining	1,000 pounds	29,558	24,691	18,299
Once refined oil produced	1,000 pounds	27,841	24,033	17,511
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	24,210	23,938	19,518
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	28,201	18,524	16,529
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 processing	1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing	1,000 pounds	2,682	3,847	9,033
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	10,020	4,010	2,748
Once refined oil on hand end of month	1,000 pounds	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining	1,000 pounds	50,679	(D)	45,487
Once refined oil produced	1,000 pounds	48,639	(D)	43,627
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	31,691	24,755	32,312
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	51,984	(D)	36,964
Once refined oil on hand end of month	1,000 pounds	35,684	19,068	27,583

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

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

Item	June 2023	May 2024	June 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease			
Production	109,628	90,384	83,839
Removed for inedible use	110,953	92,680	83,849
Stocks on hand end of month	4,802	13,428	13,417
Feather meal			
Production	91,202	94,433	83,993
Stocks on hand end of month	16,404	20,352	19,668
Lard			
Production	23,975	19,397	14,801
Removed for use in processing	28,592	19,957	15,284
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	(D)	(D)	(D)
Meat meal, meat and bone meal, and dry rendered tankage			
Production	436,184	422,662	407,394
Stocks on hand end of month	54,626	51,107	57,862
Other grease			
Production	23,179	19,425	16,391
Removed for inedible use in processing	25,268	20,421	17,661
Stocks on hand end of month	(D)	(D)	(D)
Poultry fats			
Production	182,772	196,414	184,862
Removed for inedible use in processing	175,550	197,587	186,220
Stocks on hand end of month	27,951	31,475	30,114
Poultry by-product meals			
Production	312,357	348,366	341,576
Stocks on hand end of month	74,254	119,446	117,596
Tallow, edible			
Production	87,103	87,971	71,179
Removed for use in processing	87,043	90,246	71,354
Removed for edible use in processing	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)
Stocks on hand end of month	11,830	8,309	8,412
Tallow, inedible			
Production	280,902	324,949	320,161
Removed for inedible use in processing	290,791	317,894	317,347
Stocks on hand end of month	(D)	85,344	(D)
Tallow, technical			
Production	107,363	134,303	125,980
Removed for inedible use in processing	107,569	132,155	124,118
Stocks on hand end of month	(D)	5,894	(D)
Yellow grease			
Production	189,739	(D)	(D)
Removed for inedible use in processing	196,227	(D)	(D)
Stocks on hand end of month	97,457	(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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- 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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