



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

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Highlights

August 2024 contained 31 days.

September 2024 contained 30 days.

Soybeans crushed for crude oil was 5.60 million tons (187 million bushels) in September 2024, compared with 5.03 million tons (168 million bushels) in August 2024 and 5.24 million tons (175 million bushels) in September 2023. Crude oil produced was 2.22 billion pounds, up 12 percent from August 2024 and up 7 percent from September 2023. Soybean once refined oil production at 1.76 billion pounds during September 2024 increased 5 percent from August 2024 and increased 4 percent from September 2023.

Canola seeds crushed for crude oil was 204,907 tons in September 2024, compared with 198,572 tons in August 2024 and 209,430 tons in September 2023. Canola crude oil produced was 161 million pounds, down 1 percent from August 2024 and down 3 percent from September 2023. Canola once refined oil production, at 170 million pounds during September 2024, was up 9 percent from August 2024 and up 15 percent from September 2023.

Cottonseed once refined oil production, at 25.2 million pounds during September 2024, was down 24 percent from August 2024 and down 31 percent from September 2023.

Edible tallow production was 112.5 million pounds during September 2024, up 6 percent from August 2024 and up 19 percent from September 2023. Inedible tallow production was 346 million pounds during September 2024, up 9 percent from August 2024 and up 19 percent from September 2023. Technical tallow production was 126 million pounds during September 2024, up 3 percent from August 2024 and up 28 percent from September 2023. Choice white grease production, at 94.0 million pounds during September 2024, decreased 14 percent from August 2024 and decreased 6 percent from September 2023.

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

Item	September 2023	August 2024	September 2024
Crush			
Soybeans crushed..... tons	5,242,931	5,026,648	5,595,095
Crude oil produced.....1,000 pounds	2,077,074	1,991,846	2,221,349
Cake and meal produced..... tons	3,843,681	3,705,121	4,092,457
For animal feed..... tons	3,799,238	3,647,409	4,024,677
For edible protein products..... tons	44,443	57,712	67,780
Millfeed produced..... tons	261,939	257,960	276,426
Refine			
Crude oil processed in refining.....1,000 pounds	1,724,748	1,713,006	1,805,653
Once refined oil produced.....1,000 pounds	1,689,532	1,676,395	1,760,859
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	207,193	(D)	189,688
Once refined oil removed for use in processing.....1,000 pounds	1,699,540	1,794,272	1,773,218
Removed for edible use in processing.....1,000 pounds	1,196,892	1,251,410	1,265,943
Removed for inedible use in processing.....1,000 pounds	502,648	542,862	507,275
Stocks			
Cake and meal on hand end of month..... tons	327,574	318,493	413,414
Millfeed on hand end of month..... tons	43,317	35,049	39,876
Crude oil on hand end of month.....1,000 pounds	1,196,674	1,207,718	1,070,102
Crusher.....1,000 pounds	716,347	677,583	697,580
Refiner.....1,000 pounds	201,272	206,782	139,965
Offsite.....1,000 pounds	279,055	323,353	232,557
Once refined oil on hand end of month.....1,000 pounds	410,398	421,713	430,756

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

Soybean Crushing – Regional: September 2024 with Comparisons

Region	Soybeans crushed		
	September 2023	August 2024	September 2024
	(tons)	(tons)	(tons)
Illinois	500,038	491,506	509,422
Iowa.....	1,150,596	1,103,747	1,371,906
North and East ¹	1,170,105	1,043,663	1,333,691
North Central ²	935,683	992,121	1,020,638
South, West and Pacific ³	618,491	621,992	592,320
West Central ⁴	868,018	773,619	767,118
Region	Crude oil produced		
	September 2023	August 2024	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	203,793	201,205	207,854
Iowa.....	458,282	439,594	540,712
North and East ¹	462,445	404,300	522,920
North Central ²	360,547	388,082	398,953
South, West and Pacific ³	241,627	245,908	230,509
West Central ⁴	350,380	312,757	320,401
Region	Crude oil stocks at crusher		
	September 2023	August 2024	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	89,170	78,259	88,614
Iowa.....	78,734	93,915	100,610
North and East ¹	194,304	172,134	214,911
North Central ²	153,435	149,013	121,939
South, West and Pacific ³	69,669	65,541	61,440
West Central ⁴	131,035	118,721	110,066
Region	Cake and meal produced		
	September 2023	August 2024	September 2024
	(tons)	(tons)	(tons)
Illinois	365,865	359,979	368,209
Iowa.....	844,963	811,370	1,004,917
North and East ¹	847,236	767,206	958,676
North Central ²	694,395	737,515	756,911
South, West and Pacific ³	451,730	447,325	436,789
West Central ⁴	639,492	581,726	566,955
Region	Cake and meal stocks		
	September 2023	August 2024	September 2024
	(tons)	(tons)	(tons)
Illinois	66,428	39,275	55,048
Iowa.....	64,796	59,675	70,722
North and East ¹	62,504	70,549	76,990
North Central ²	40,263	58,807	74,670
South, West and Pacific ³	56,154	48,712	60,867
West Central ⁴	37,429	41,475	75,117

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: September 2024
with Comparisons**

Item	September 2023	August 2024	September 2024
Canola			
Crush			
Seeds crushed..... tons	209,430	198,572	204,907
Crude oil produced.....1,000 pounds	166,325	163,470	161,451
Cake and meal produced..... tons	120,412	116,938	118,259
Refine			
Crude oil processed in refining.....1,000 pounds	152,818	160,406	175,175
Once refined oil produced.....1,000 pounds	148,095	155,960	169,864
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	(D)	(D)	10,745
Once refined oil removed for use in processing.....1,000 pounds	143,837	158,884	178,620
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)	28,246	33,742
Crude oil on hand end of month.....1,000 pounds	59,189	28,299	32,205
Once refined oil on hand end of month.....1,000 pounds	99,884	95,099	88,879
Cottonseed			
Crush			
Seeds crushed..... tons	116,030	101,995	80,552
Crude oil produced.....1,000 pounds	28,397	25,858	21,926
Cake and meal produced..... tons	52,968	44,538	33,955
Refine			
Crude oil processed in refining.....1,000 pounds	37,556	34,264	25,889
Once refined oil produced.....1,000 pounds	36,499	33,249	25,163
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	39,879	33,608	32,182
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	32,561	37,355	34,509
Crude oil on hand end of month.....1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	22,137	33,943	27,493
Coconut			
Refine			
Crude oil processed in refining.....1,000 pounds	(D)	45,575	36,936
Once refined oil produced.....1,000 pounds	(D)	45,193	36,738
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	44,208	49,839	51,112
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	77,085	97,894	77,196
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	73,211
Corn			
Crush			
Crude oil produced.....1,000 pounds	121,868	164,510	147,762
Refine			
Crude oil processed in refining.....1,000 pounds	155,872	166,590	146,148
Once refined oil produced.....1,000 pounds	149,662	161,853	141,136
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	124,848	145,138	136,896
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	71,026	93,305	81,204
Once refined oil on hand end of month.....1,000 pounds	51,575	(D)	67,135

See footnote(s) at end of table.

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

Item	September 2023	August 2024	September 2024
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	24,982	36,336	40,299
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	71,122	79,100	83,464
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	199,137	206,717	188,483
Removed for edible use in processing 1,000 pounds	186,680	201,640	182,559
Removed for inedible use in processing..... 1,000 pounds	12,457	(D)	5,924
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	355,518	266,685	255,473
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	32,232	25,981	29,448
Once refined oil produced..... 1,000 pounds	30,773	24,844	28,211
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	28,587	23,126	31,968
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	27,597	14,777	12,471
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	4,688	5,506	6,530
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	9,770	4,601	3,891
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	36,039	32,989	44,575
Once refined oil produced..... 1,000 pounds	34,891	31,668	43,256
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	24,553	(D)	(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	48,964	35,896	23,952
Once refined oil on hand end of month..... 1,000 pounds	37,792	23,433	34,023

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

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

Item	September 2023 (1,000 pounds)	August 2024 (1,000 pounds)	September 2024 (1,000 pounds)
Choice white grease			
Production.....	100,468	109,625	93,980
Removed for inedible use.....	102,201	106,887	93,861
Stocks on hand end of month.....	9,048	8,976	9,095
Feather meal			
Production.....	98,011	97,273	87,181
Stocks on hand end of month.....	11,941	21,159	19,392
Lard			
Production.....	25,012	23,866	33,397
Removed for use in processing.....	25,156	23,456	30,469
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	7,756	10,529	12,241
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	489,565	427,486	493,719
Stocks on hand end of month.....	56,667	57,156	63,475
Other grease			
Production.....	22,510	18,951	19,694
Removed for inedible use in processing.....	19,750	16,054	19,249
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	210,430	213,265	195,428
Removed for inedible use in processing.....	210,501	211,701	196,852
Stocks on hand end of month.....	29,566	38,172	36,661
Poultry by-product meals			
Production.....	346,596	360,302	348,273
Stocks on hand end of month.....	86,793	123,110	123,986
Tallow, edible			
Production.....	94,343	106,608	112,522
Removed for use in processing.....	98,751	105,893	102,309
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	10,283	11,075	21,584
Tallow, inedible			
Production.....	291,186	317,756	346,266
Removed for inedible use in processing.....	302,544	326,454	353,378
Stocks on hand end of month.....	(D)	(D)	70,848
Tallow, technical			
Production.....	98,451	122,937	126,132
Removed for inedible use in processing.....	100,510	122,179	126,979
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	171,543	(D)	(D)
Removed for inedible use in processing.....	172,343	(D)	(D)
Stocks on hand end of month.....	99,771	(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.

Patrick Boyle, Chief, Crops Branch.....	(202) 720-2127
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David Colwell – Fats and Oils, Flour Milling Products	(202) 720-8800
Michelle Harder – Hay, Peanuts.....	(202) 690-8533
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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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