



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

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Highlights

July 2024 contained 31 days.

August 2024 contained 31 days.

Soybeans crushed for crude oil was 5.03 million tons (168 million bushels) in August 2024, compared with 5.80 million tons (193 million bushels) in July 2024 and 5.07 million tons (169 million bushels) in August 2023. Crude oil produced was 1.99 billion pounds, down 14 percent from July 2024 and down 1 percent from August 2023. Soybean once refined oil production at 1.68 billion pounds during August 2024 decreased 9 percent from July 2024 and decreased 2 percent from August 2023.

Canola seeds crushed for crude oil was 198,572 tons in August 2024, compared with 230,516 tons in July 2024 and 190,420 tons in August 2023. Canola crude oil produced was 163 million pounds, down 11 percent from July 2024 but up 6 percent from August 2023. Canola once refined oil production, at 156 million pounds during August 2024, was down 12 percent from July 2024 but up less than 1 percent from August 2023.

Cottonseed once refined oil production, at 33.2 million pounds during August 2024, was up 1 percent from July 2024 and up 13 percent from August 2023.

Edible tallow production was 107 million pounds during August 2024, up 20 percent from July 2024 and up 24 percent from August 2023. Inedible tallow production was 318 million pounds during August 2024, up 5 percent from July 2024 and up 2 percent from August 2023. Technical tallow production was 123 million pounds during August 2024, up 14 percent from July 2024 and up 13 percent from August 2023. Choice white grease production, at 110 million pounds during August 2024, increased 20 percent from July 2024 but decreased 13 percent from August 2023.

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

Item	August 2023	July 2024	August 2024
Crush			
Soybeans crushed..... tons	5,069,870	5,798,234	5,026,648
Crude oil produced.....1,000 pounds	2,014,153	2,303,082	1,991,846
Cake and meal produced..... tons	3,767,064	4,266,548	3,705,121
For animal feed..... tons	3,725,124	4,214,722	3,647,409
For edible protein products..... tons	41,940	51,826	57,712
Millfeed produced..... tons	262,828	282,107	257,960
Refine			
Crude oil processed in refining.....1,000 pounds	1,740,710	1,885,919	1,713,006
Once refined oil produced.....1,000 pounds	1,709,814	1,852,249	1,676,395
Consumption			
Crude oil removed for inedible use in processing.....1,000 pounds	187,120	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	1,723,766	1,788,756	1,794,272
Removed for edible use in processing.....1,000 pounds	1,237,914	1,259,897	1,251,410
Removed for inedible use in processing.....1,000 pounds	485,852	528,859	542,862
Stocks			
Cake and meal on hand end of month..... tons	280,335	396,821	318,493
Millfeed on hand end of month..... tons	36,506	33,709	35,049
Crude oil on hand end of month.....1,000 pounds	1,353,202	1,499,789	1,207,718
Crusher.....1,000 pounds	759,927	807,051	677,583
Refiner.....1,000 pounds	226,337	279,672	206,782
Offsite.....1,000 pounds	366,938	413,066	323,353
Once refined oil on hand end of month.....1,000 pounds	419,181	508,746	421,713

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

Soybean Crushing – Regional: August 2024 with Comparisons

Region	Soybeans crushed		
	August 2023	July 2024	August 2024
	(tons)	(tons)	(tons)
Illinois	580,856	588,141	491,506
Iowa.....	1,042,112	1,262,187	1,103,747
North and East ¹	1,087,196	1,313,013	1,043,663
North Central ²	867,419	1,065,719	992,121
South, West and Pacific ³	643,980	649,653	621,992
West Central ⁴	848,307	919,521	773,619
Region	Crude oil produced		
	August 2023	July 2024	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	240,628	239,783	201,205
Iowa.....	412,262	504,635	439,594
North and East ¹	427,894	512,977	404,300
North Central ²	342,056	423,053	388,082
South, West and Pacific ³	245,346	254,976	245,908
West Central ⁴	345,967	367,658	312,757
Region	Crude oil stocks at crusher		
	August 2023	July 2024	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	109,477	127,739	78,259
Iowa.....	87,979	100,769	93,915
North and East ¹	202,148	220,815	172,134
North Central ²	161,842	185,210	149,013
South, West and Pacific ³	56,196	52,827	65,541
West Central ⁴	142,285	119,691	118,721
Region	Cake and meal produced		
	August 2023	July 2024	August 2024
	(tons)	(tons)	(tons)
Illinois	426,172	431,261	359,979
Iowa.....	776,902	934,340	811,370
North and East ¹	803,244	962,380	767,206
North Central ²	651,305	782,010	737,515
South, West and Pacific ³	474,345	474,613	447,325
West Central ⁴	635,096	681,944	581,726
Region	Cake and meal stocks		
	August 2023	July 2024	August 2024
	(tons)	(tons)	(tons)
Illinois	41,202	(D)	39,275
Iowa.....	42,620	70,118	59,675
North and East ¹	86,195	104,921	70,549
North Central ²	31,836	61,561	58,807
South, West and Pacific ³	35,776	45,343	48,712
West Central ⁴	42,706	(D)	41,475

(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: August 2024
with Comparisons**

Item	August 2023	July 2024	August 2024
Canola			
Crush			
Seeds crushed..... tons	190,420	230,516	198,572
Crude oil produced..... 1,000 pounds	154,318	183,162	163,470
Cake and meal produced..... tons	111,691	130,988	116,938
Refine			
Crude oil processed in refining..... 1,000 pounds	160,571	182,646	160,406
Once refined oil produced..... 1,000 pounds	155,251	176,702	155,960
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	169,926	178,904	158,884
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	57,862	27,428	28,246
Crude oil on hand end of month..... 1,000 pounds	44,484	41,914	28,299
Once refined oil on hand end of month..... 1,000 pounds	91,947	92,945	95,099
Cottonseed			
Crush			
Seeds crushed..... tons	114,845	84,691	101,995
Crude oil produced..... 1,000 pounds	26,651	22,231	25,858
Cake and meal produced..... tons	52,983	35,275	44,538
Refine			
Crude oil processed in refining..... 1,000 pounds	30,096	34,067	34,264
Once refined oil produced..... 1,000 pounds	29,401	32,848	33,249
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	29,774	36,672	33,608
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	35,775	29,860	37,355
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	25,250	33,121	33,943
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	31,646	31,342	45,575
Once refined oil produced..... 1,000 pounds	31,194	31,004	45,193
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	59,053	40,741	49,839
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	89,686	126,060	97,894
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	135,681	165,106	164,510
Refine			
Crude oil processed in refining..... 1,000 pounds	147,260	159,442	166,590
Once refined oil produced..... 1,000 pounds	142,093	154,411	161,853
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	145,624	147,423	145,138
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	76,654	84,468	93,305
Once refined oil on hand end of month..... 1,000 pounds	51,351	(D)	(D)

See footnote(s) at end of table.

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

Item	August 2023	July 2024	August 2024
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	30,803	38,769	36,336
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	48,117	76,172	79,100
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	211,348	185,474	206,717
Removed for edible use in processing 1,000 pounds	201,911	181,371	(D)
Removed for inedible use in processing..... 1,000 pounds	9,437	4,103	(D)
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	340,693	288,390	266,685
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	36,829	30,400	25,981
Once refined oil produced..... 1,000 pounds	35,580	28,793	24,844
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	32,877	29,507	23,126
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	29,496	12,208	14,777
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	4,446	4,781	5,506
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	14,176	(D)	4,601
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	35,659	34,691	32,989
Once refined oil produced..... 1,000 pounds	33,773	33,277	31,668
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)	(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	52,507	29,838	35,896
Once refined oil on hand end of month..... 1,000 pounds	29,804	28,849	23,433

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

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

Item	August 2023 (1,000 pounds)	July 2024 (1,000 pounds)	August 2024 (1,000 pounds)
Choice white grease			
Production.....	126,669	91,188	109,625
Removed for inedible use.....	126,204	91,328	106,887
Stocks on hand end of month.....	6,947	6,239	8,976
Feather meal			
Production.....	98,767	79,065	97,273
Stocks on hand end of month.....	17,247	20,558	21,159
Lard			
Production.....	16,296	25,178	23,866
Removed for use in processing.....	15,183	21,407	23,456
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	8,132	10,231	10,529
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	548,565	393,519	427,432
Stocks on hand end of month.....	57,136	55,207	57,229
Other grease			
Production.....	24,104	16,617	18,951
Removed for inedible use in processing.....	25,350	17,767	16,054
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	212,507	171,546	213,265
Removed for inedible use in processing.....	206,925	165,052	211,701
Stocks on hand end of month.....	29,637	36,608	38,172
Poultry by-product meals			
Production.....	343,703	296,694	360,302
Stocks on hand end of month.....	78,480	113,701	123,110
Tallow, edible			
Production.....	85,834	88,627	106,608
Removed for use in processing.....	87,248	89,241	105,893
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	14,541	10,196	11,075
Tallow, inedible			
Production.....	312,653	304,039	317,756
Removed for inedible use in processing.....	317,970	305,540	326,454
Stocks on hand end of month.....	86,388	(D)	(D)
Tallow, technical			
Production.....	108,548	108,200	122,937
Removed for inedible use in processing.....	108,256	108,398	122,179
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	171,522	(D)	(D)
Removed for inedible use in processing.....	179,591	(D)	(D)
Stocks on hand end of month.....	100,581	(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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David Colwell – Fats and Oils, Flour Milling Products	(202) 720-8800
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