



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

ISSN: 2379-9862

Released April 1, 2024, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Highlights

January 2024 contained 31 days.

February 2024 contained 29 days.

Soybeans crushed for crude oil was 5.82 million tons (194 million bushels) in February 2024, compared with 5.84 million tons (195 million bushels) in January 2024 and 5.31 million tons (177 million bushels) in February 2023. Crude oil produced was 2.29 billion pounds, up less than 1 percent from January 2024 and up 10 percent from February 2023. Soybean once refined oil production at 1.63 billion pounds during February 2024 increased 2 percent from January 2024 but decreased 2 percent from February 2023.

Canola seeds crushed for crude oil was 205,713 tons in February 2024, compared with 203,989 tons in January 2024 and 177,907 tons in February 2023. Canola crude oil produced was 167 million pounds, up 1 percent from January 2024 and up 17 percent from February 2023. Canola once refined oil production, at 149 million pounds during February 2024, was down 4 percent from January 2024 but up 2 percent from February 2023.

Cottonseed once refined oil production, at 42.1 million pounds during February 2024, was up 67 percent from January 2024 and up 21 percent from February 2023.

Edible tallow production was 97.4 million pounds during February 2024, up 34 percent from January 2024 but down 7 percent from February 2023. Inedible tallow production was 353 million pounds during February 2024, up 18 percent from January 2024 and up 3 percent from February 2023. Technical tallow production was 128 million pounds during February 2024, up 18 percent from January 2024 and up 12 percent from February 2023. Choice white grease production, at 114 million pounds during February 2024, decreased 3 percent from January 2024 and decreased 5 percent from February 2023.

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

Item	February 2023	January 2024	February 2024
Crush			
Soybeans crushed..... tons	5,306,995	5,844,947	5,817,974
Crude oil produced.....1,000 pounds	2,091,218	2,288,572	2,292,360
Cake and meal produced..... tons	3,934,588	4,302,189	4,267,778
For animal feed..... tons	3,897,622	4,248,397	4,217,565
For edible protein products..... tons	36,966	53,792	50,213
Millfeed produced..... tons	262,996	293,433	289,314
Refine			
Crude oil processed in refining.....1,000 pounds	1,696,242	1,618,565	1,651,362
Once refined oil produced.....1,000 pounds	1,662,072	1,588,127	1,626,245
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	1,653,129	1,571,498	1,658,214
Removed for edible use in processing.....1,000 pounds	1,165,502	1,133,047	1,178,706
Removed for inedible use in processing.....1,000 pounds	487,627	438,451	479,508
Stocks			
Cake and meal on hand end of month..... tons	430,341	307,587	278,195
Millfeed on hand end of month..... tons	45,318	42,443	48,259
Crude oil on hand end of month.....1,000 pounds	1,902,382	1,543,631	1,686,635
Crusher.....1,000 pounds	1,004,199	985,869	1,020,391
Refiner.....1,000 pounds	287,238	277,158	262,146
Offsite.....1,000 pounds	610,945	280,604	404,098
Once refined oil on hand end of month.....1,000 pounds	461,415	485,134	459,168

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

Soybean Crushing – Regional: February 2024 with Comparisons

Region	Soybeans crushed		
	February 2023	January 2024	February 2024
	(tons)	(tons)	(tons)
Illinois	637,413	624,011	629,688
Iowa	1,114,094	1,230,594	1,278,379
North and East ¹	1,214,284	1,366,323	1,299,349
North Central ²	882,404	1,018,773	1,018,521
South, West and Pacific ³	610,874	688,566	674,592
West Central ⁴	847,926	916,680	917,445
Region	Crude oil produced		
	February 2023	January 2024	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	244,933	247,674	262,678
Iowa	441,149	484,963	500,587
North and East ¹	470,795	534,126	500,710
North Central ²	345,272	396,439	400,455
South, West and Pacific ³	234,916	259,770	262,507
West Central ⁴	354,153	365,600	365,423
Region	Crude oil stocks at crusher		
	February 2023	January 2024	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	(D)	186,604	155,759
Iowa	211,806	167,866	201,089
North and East ¹	234,704	254,759	268,029
North Central ²	223,356	201,772	213,478
South, West and Pacific ³	(D)	49,357	61,325
West Central ⁴	103,501	125,511	120,711
Region	Cake and meal produced		
	February 2023	January 2024	February 2024
	(tons)	(tons)	(tons)
Illinois	465,380	449,168	446,440
Iowa	837,061	909,325	939,300
North and East ¹	903,185	1,005,508	954,489
North Central ²	653,356	752,227	754,845
South, West and Pacific ³	448,156	505,958	495,158
West Central ⁴	627,450	680,003	677,546
Region	Cake and meal stocks		
	February 2023	January 2024	February 2024
	(tons)	(tons)	(tons)
Illinois	90,912	52,569	35,354
Iowa	60,064	45,714	51,933
North and East ¹	134,621	103,766	95,961
North Central ²	57,223	54,077	46,437
South, West and Pacific ³	34,027	14,595	22,014
West Central ⁴	53,494	36,866	26,496

(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: February 2024
with Comparisons**

Item	February 2023	January 2024	February 2024
Canola			
Crush			
Seeds crushed..... tons	177,907	203,989	205,713
Crude oil produced..... 1,000 pounds	142,424	166,014	167,315
Cake and meal produced..... tons	104,119	119,257	119,066
Refine			
Crude oil processed in refining..... 1,000 pounds	151,767	161,902	151,613
Once refined oil produced..... 1,000 pounds	147,045	154,978	149,297
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	149,853	157,769	145,849
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			
Cake and meal on hand end of month..... tons	(D)	(D)	(D)
Crude oil on hand end of month..... 1,000 pounds	70,893	74,297	(D)
Once refined oil on hand end of month..... 1,000 pounds	99,337	89,162	98,668
Cottonseed			
Crush			
Seeds crushed..... tons	127,037	126,481	143,599
Crude oil produced..... 1,000 pounds	35,674	32,876	40,648
Cake and meal produced..... tons	52,320	55,894	60,635
Refine			
Crude oil processed in refining..... 1,000 pounds	35,631	25,732	43,199
Once refined oil produced..... 1,000 pounds	34,778	25,278	42,133
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	36,027	27,462	32,199
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	23,208	21,649	13,327
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	34,549	32,134	43,251
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	47,251	24,688	21,616
Once refined oil produced..... 1,000 pounds	46,651	24,510	21,435
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	50,382	42,251	27,815
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	74,624	72,577	93,967
Once refined oil on hand end of month..... 1,000 pounds	(D)	57,233	(D)
Corn			
Crush			
Crude oil produced..... 1,000 pounds	142,574	130,432	156,926
Refine			
Crude oil processed in refining..... 1,000 pounds	135,395	138,033	133,152
Once refined oil produced..... 1,000 pounds	132,630	134,672	129,770
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	111,553	120,459	128,404
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	107,448	(D)	93,994
Once refined oil on hand end of month..... 1,000 pounds	96,370	(D)	53,976

See footnote(s) at end of table.

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

Item	February 2023	January 2024	February 2024
Palm kernel			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	24,699	43,246	39,926
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	55,149	90,578	98,362
Palm			
Consumption			
Once refined oil removed for use in processing..... 1,000 pounds	193,523	189,667	199,835
Removed for edible use in processing 1,000 pounds	190,974	186,770	196,560
Removed for inedible use in processing..... 1,000 pounds	2,549	(D)	3,275
Stocks			
Once refined oil on hand end of month..... 1,000 pounds	339,582	342,961	328,011
Peanut			
Refine			
Crude oil processed in refining..... 1,000 pounds	33,837	20,895	22,496
Once refined oil produced..... 1,000 pounds	31,871	19,474	21,693
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	24,113	20,259	21,736
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	25,965	21,680	22,367
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	4,899	5,361	8,440
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	11,444	4,812	6,988
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining..... 1,000 pounds	46,913	33,024	36,831
Once refined oil produced..... 1,000 pounds	45,343	31,796	35,359
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	34,611	(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	54,115	40,617	37,438
Once refined oil on hand end of month..... 1,000 pounds	47,606	30,097	29,292

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

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

Item	February 2023 (1,000 pounds)	January 2024 (1,000 pounds)	February 2024 (1,000 pounds)
Choice white grease			
Production.....	119,578	117,828	114,158
Removed for inedible use.....	121,222	116,462	116,180
Stocks on hand end of month.....	5,752	8,643	6,313
Feather meal			
Production.....	98,709	74,884	95,055
Stocks on hand end of month.....	17,597	16,359	15,535
Lard			
Production.....	24,024	20,037	26,107
Removed for use in processing.....	21,804	19,192	26,824
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	7,107	(D)	(D)
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	469,199	492,429	469,684
Stocks on hand end of month.....	57,511	64,544	55,932
Other grease			
Production.....	26,927	23,616	25,525
Removed for inedible use in processing.....	25,958	20,555	28,300
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	191,354	163,183	205,330
Removed for inedible use in processing.....	192,587	165,749	205,053
Stocks on hand end of month.....	25,725	33,025	33,302
Poultry by-product meals			
Production.....	357,221	311,109	381,571
Stocks on hand end of month.....	69,529	123,806	112,853
Tallow, edible			
Production.....	104,515	72,529	97,384
Removed for use in processing.....	125,895	73,008	95,329
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	13,479	11,166	16,543
Tallow, inedible			
Production.....	344,209	299,139	353,114
Removed for inedible use in processing.....	347,769	288,726	358,243
Stocks on hand end of month.....	(D)	93,120	87,991
Tallow, technical			
Production.....	114,881	108,728	128,323
Removed for inedible use in processing.....	117,869	103,953	128,480
Stocks on hand end of month.....	(D)	(D)	(D)
Yellow grease			
Production.....	168,332	(D)	(D)
Removed for inedible use in processing.....	148,641	(D)	(D)
Stocks on hand end of month.....	115,761	(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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Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
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Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
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