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Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks 2023 Summary

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Summary

2023 Fats and Oils Oilseed Crushings, Production, Consumption and Stocks

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2023 Annual Summary of the Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks contains data and annual totals for January through December of 2023.

Soybeans crushed for crude oil was 67.5 million tons in 2023, an increase of 3 percent from 2022. Crude oil production was 26.6 billion pounds, up 2 percent from 2022.

Canola seeds crushed for crude oil was 2.27 million tons in 2023, up 19 percent from 2022. Crude oil production was 1.82 billion pounds, up 20 percent from 2022.

Tallow was published in three categories (edible, inedible, and technical). The largest percentage of tallow production was **inedible tallow** at 3.81 billion pounds in 2023. **Choice white grease production** was 1.34 billion pounds in 2023.

Soybean Crushing, Production, Consumption and Stocks – United States: 2023

Item	January 2023	February 2023	March 2023	April 2023
Crush				
Soybeans crushed tons	5,734,398	5,306,995	5,939,012	5,609,607
Crude oil produced 1,000 pounds	2,252,312	2,091,218	2,339,581	2,236,301
Cake and meal produced tons	4,254,599	3,934,588	4,402,548	4,162,406
For animal feed tons	4,208,783	3,897,622	4,358,712	4,119,418
For edible protein products tons	45,816	36,966	43,836	42,988
Millfeed produced tons	286,310	262,996	295,613	271,229
Refine				
Crude oil processed in refining 1,000 pounds	1,753,308	1,696,242	1,853,676	1,716,391
Once refined oil produced 1,000 pounds	1,719,215	1,662,072	1,811,949	1,676,007
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	1,667,217	1,653,129	1,833,386	1,655,547
Removed for edible use in processing 1,000 pounds	1,175,584	1,165,502	1,306,300	1,151,039
Removed for inedible use in processing 1,000 pounds	491,633	487,627	527,086	504,508
Stocks				
Cake and meal on hand end of month tons	397,638	430,341	324,292	521,814
Millfeed on hand end of month tons	45,228	45,318	54,758	56,021
Crude oil on hand end of month 1,000 pounds	1,898,892	1,902,382	1,946,997	2,078,543
Crusher 1,000 pounds	1,015,648	1,004,199	1,010,089	1,092,562
Refiner 1,000 pounds	308,847	287,238	308,795	321,035
Offsite 1,000 pounds	574,397	610,945	628,113	664,946
Once refined oil on hand end of month 1,000 pounds	457,509	461,415	440,516	461,136

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	May 2023	June 2023	July 2023	August 2023
Crush				
Soybeans crushed.....tons	5,679,096	5,236,516	5,545,001	5,069,870
Crude oil produced..... 1,000 pounds	2,228,372	2,074,857	2,180,036	2,014,153
Cake and meal produced.....tons	4,182,704	3,886,684	4,088,890	3,767,064
For animal feed.....tons	4,145,458	3,843,555	4,057,304	3,725,124
For edible protein products.....tons	37,246	43,129	31,586	41,940
Millfeed produced.....tons	278,564	265,644	274,040	262,828
Refine				
Crude oil processed in refining..... 1,000 pounds	1,887,942	1,761,023	1,791,151	1,740,710
Once refined oil produced..... 1,000 pounds	1,841,848	1,726,022	1,753,057	1,709,814
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	187,120
Once refined oil removed for use in processing..... 1,000 pounds	1,850,213	1,757,969	1,756,571	1,723,766
Removed for edible use in processing..... 1,000 pounds	1,254,726	1,168,498	1,202,682	1,237,914
Removed for inedible use in processing..... 1,000 pounds	595,487	589,471	553,889	485,852
Stocks				
Cake and meal on hand end of month.....tons	388,763	331,209	425,415	280,335
Millfeed on hand end of month.....tons	39,776	34,355	44,133	36,506
Crude oil on hand end of month..... 1,000 pounds	1,924,950	1,770,166	1,704,235	1,353,202
Crusher..... 1,000 pounds	941,244	889,944	870,177	759,927
Refiner..... 1,000 pounds	317,892	279,811	251,072	226,337
Offsite..... 1,000 pounds	665,814	600,411	582,986	366,938
Once refined oil on hand end of month..... 1,000 pounds	461,272	432,869	431,967	419,181

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	September 2023	October 2023	November 2023	December 2023
Crush				
Soybeans crushed..... tons	5,242,931	6,041,685	6,002,708	6,128,558
Crude oil produced 1,000 pounds	2,077,074	2,375,654	2,324,668	2,376,237
Cake and meal produced tons	3,843,681	4,442,466	4,399,878	4,503,856
For animal feed..... tons	3,799,238	4,393,671	4,349,599	4,447,916
For edible protein products tons	44,443	48,795	50,279	55,940
Millfeed produced tons	261,939	296,017	306,330	314,486
Refine				
Crude oil processed in refining 1,000 pounds	1,724,748	1,869,391	1,737,002	1,755,288
Once refined oil produced 1,000 pounds	1,689,532	1,833,531	1,692,886	1,711,129
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	207,193	(D)	189,542	(D)
Once refined oil removed for use in processing 1,000 pounds	1,699,540	1,831,556	1,682,018	1,670,436
Removed for edible use in processing 1,000 pounds	1,196,892	1,269,573	1,181,952	1,144,324
Removed for inedible use in processing 1,000 pounds	502,648	561,983	500,066	526,112
Stocks				
Cake and meal on hand end of month tons	327,574	291,071	260,052	451,979
Millfeed on hand end of month tons	43,317	43,568	44,385	48,781
Crude oil on hand end of month 1,000 pounds	1,196,674	1,088,612	1,175,567	1,356,410
Crusher..... 1,000 pounds	716,347	660,533	728,717	869,075
Refiner..... 1,000 pounds	201,272	183,999	200,541	231,904
Offsite..... 1,000 pounds	279,055	244,080	246,309	255,431
Once refined oil on hand end of month 1,000 pounds	410,398	412,988	423,529	467,424

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	Total 2023
Crush	
Soybeans crushed..... tons	67,536,377
Crude oil produced..... 1,000 pounds	26,570,463
Cake and meal produced..... tons	49,869,364
For animal feed..... tons	49,346,400
For edible protein products..... tons	522,964
Millfeed produced..... tons	3,375,996
Refine	
Crude oil processed in refining..... 1,000 pounds	21,286,872
Once refined oil produced..... 1,000 pounds	20,827,062
Consumption	
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	20,781,348
Removed for edible use in processing..... 1,000 pounds	14,454,986
Removed for inedible use in processing..... 1,000 pounds	6,326,362

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

Soybean Crushing – Regional: 2023

Region	Soybeans crushed			
	January 2023	February 2023	March 2023	April 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	697,714	637,413	716,050	662,342
Iowa.....	1,124,889	1,114,094	1,254,041	1,216,961
North and East ¹	1,340,192	1,214,284	1,325,535	1,336,471
North Central ²	934,137	882,404	993,561	880,680
South, West and Pacific ³	692,829	610,874	677,617	635,471
West Central ⁴	944,637	847,926	972,208	877,682
Region	Crude oil produced			
	January 2023	February 2023	March 2023	April 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	282,811	244,933	290,186	266,256
Iowa.....	443,800	441,149	496,091	488,321
North and East ¹	518,767	470,795	510,961	524,651
North Central ²	369,176	345,272	381,024	345,950
South, West and Pacific ³	257,998	234,916	261,056	244,644
West Central ⁴	379,760	354,153	400,263	366,479
Region	Crude oil stocks at crusher			
	January 2023	February 2023	March 2023	April 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	(D)	(D)	166,220	157,383
Iowa.....	199,825	211,806	210,635	184,120
North and East ¹	224,012	234,704	229,345	255,806
North Central ²	237,842	223,356	224,344	266,064
South, West and Pacific ³	(D)	(D)	66,278	84,615
West Central ⁴	120,883	103,501	113,267	144,574
Region	Cake and meal produced			
	January 2023	February 2023	March 2023	April 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	519,790	465,380	512,452	487,249
Iowa.....	839,469	837,061	941,704	908,097
North and East ¹	998,157	903,185	982,273	991,315
North Central ²	692,763	653,356	743,481	650,443
South, West and Pacific ³	503,495	448,156	498,227	470,661
West Central ⁴	700,925	627,450	724,411	654,641
Region	Cake and meal stocks			
	January 2023	February 2023	March 2023	April 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	(D)	90,912	59,678	81,094
Iowa.....	52,375	60,064	42,980	81,860
North and East ¹	134,717	134,621	103,484	164,964
North Central ²	56,960	57,223	45,030	54,587
South, West and Pacific ³	(D)	34,027	35,429	51,147
West Central ⁴	49,843	53,494	37,691	88,162

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2023 (continued)

Region	Soybeans crushed			
	May 2023	June 2023	July 2023	August 2023
	(tons)	(tons)	(tons)	(tons)
Illinois	663,963	639,556	678,319	580,856
Iowa	1,155,161	1,059,054	1,195,702	1,042,112
North and East ¹	1,283,471	1,143,567	1,281,129	1,087,196
North Central ²	969,711	875,341	890,644	867,419
South, West and Pacific ³	641,692	583,067	566,854	643,980
West Central ⁴	965,098	935,931	932,353	848,307
Region	Crude oil produced			
	May 2023	June 2023	July 2023	August 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	260,262	258,909	264,773	240,628
Iowa	458,126	419,952	478,439	412,262
North and East ¹	505,329	452,665	497,317	427,894
North Central ²	371,420	335,498	349,740	342,056
South, West and Pacific ³	248,459	227,986	215,391	245,346
West Central ⁴	384,776	379,847	374,376	345,967
Region	Crude oil stocks at crusher			
	May 2023	June 2023	July 2023	August 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	122,002	138,926	122,299	109,477
Iowa	157,684	136,533	141,628	87,979
North and East ¹	243,405	228,647	224,465	202,148
North Central ²	201,120	191,505	183,087	161,842
South, West and Pacific ³	87,928	67,283	74,133	56,196
West Central ⁴	129,105	127,050	124,565	142,285
Region	Cake and meal produced			
	May 2023	June 2023	July 2023	August 2023
	(tons)	(tons)	(tons)	(tons)
Illinois	475,250	470,494	482,943	426,172
Iowa	856,941	781,650	884,224	776,902
North and East ¹	953,075	853,953	950,231	803,244
North Central ²	705,163	652,019	664,005	651,305
South, West and Pacific ³	475,367	432,987	415,020	474,345
West Central ⁴	716,908	695,581	692,467	635,096
Region	Cake and meal stocks			
	May 2023	June 2023	July 2023	August 2023
	(tons)	(tons)	(tons)	(tons)
Illinois	49,029	(D)	48,935	41,202
Iowa	48,722	42,485	80,963	42,620
North and East ¹	174,554	100,671	140,605	86,195
North Central ²	49,372	43,635	51,436	31,836
South, West and Pacific ³	33,417	(D)	58,761	35,776
West Central ⁴	33,669	47,375	44,715	42,706

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2023 (continued)

Region	Soybeans crushed			
	September 2023	October 2023	November 2023	December 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	500,038	652,816	661,268	691,654
Iowa.....	1,150,596	1,319,303	1,285,317	1,342,612
North and East ¹	1,170,105	1,378,347	1,367,655	1,399,920
North Central ²	935,683	1,001,749	1,048,102	1,007,726
South, West and Pacific ³	618,491	710,948	705,200	722,034
West Central ⁴	868,018	978,522	935,166	964,612
Region	Crude oil produced			
	September 2023	October 2023	November 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	203,793	262,865	256,700	273,411
Iowa.....	458,282	525,971	506,192	527,810
North and East ¹	462,445	536,926	522,832	536,517
North Central ²	360,547	386,163	404,079	391,263
South, West and Pacific ³	241,627	277,776	266,433	271,185
West Central ⁴	350,380	385,953	368,432	376,051
Region	Crude oil stocks at crusher			
	September 2023	October 2023	November 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	89,170	76,208	95,608	150,350
Iowa.....	78,734	70,759	76,354	136,177
North and East ¹	194,304	188,327	224,524	253,602
North Central ²	153,435	142,513	140,383	161,586
South, West and Pacific ³	69,669	48,731	(D)	52,601
West Central ⁴	131,035	133,995	(D)	114,759
Region	Cake and meal produced			
	September 2023	October 2023	November 2023	December 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	365,865	474,313	473,968	495,465
Iowa.....	844,963	977,399	943,554	985,473
North and East ¹	847,236	1,007,371	1,005,715	1,031,264
North Central ²	694,395	741,309	769,883	742,393
South, West and Pacific ³	451,730	517,400	515,702	532,512
West Central ⁴	639,492	724,674	691,056	716,749
Region	Cake and meal stocks			
	September 2023	October 2023	November 2023	December 2023
	(tons)	(tons)	(tons)	(tons)
Illinois.....	66,428	32,292	18,326	62,967
Iowa.....	64,796	61,372	47,600	86,408
North and East ¹	62,504	69,448	90,741	101,286
North Central ²	40,263	60,419	41,035	67,670
South, West and Pacific ³	56,154	27,207	22,223	57,750
West Central ⁴	37,429	40,333	40,127	75,898

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2023 (continued)

Region	Soybeans crushed Total 2023
	(tons)
Illinois	7,781,989
Iowa.....	14,259,842
North and East ¹	15,327,872
North Central ²	11,287,157
South, West and Pacific ³	7,809,057
West Central ⁴	11,070,460
Region	Crude oil produced Total 2023
	(1,000 pounds)
Illinois	3,105,527
Iowa.....	5,656,395
North and East ¹	5,967,099
North Central ²	4,382,188
South, West and Pacific ³	2,992,817
West Central ⁴	4,466,437
Region	Cake and meal produced Total 2023
	(tons)
Illinois	5,649,341
Iowa.....	10,577,437
North and East ¹	11,327,019
North Central ²	8,360,515
South, West and Pacific ³	5,735,602
West Central ⁴	8,219,450

(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, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023

Item	January 2023	February 2023	March 2023	April 2023
Canola				
Crush				
Seeds crushed..... tons	204,340	177,907	191,291	172,744
Crude oil produced 1,000 pounds	165,781	142,424	154,876	136,571
Cake and meal produced..... tons	118,623	104,119	112,018	103,926
Refine				
Crude oil processed in refining 1,000 pounds	161,778	151,767	156,645	155,080
Once refined oil produced 1,000 pounds	157,184	147,045	152,471	151,183
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	145,076	149,853	157,923	157,303
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	50,540	(D)	(D)	(D)
Crude oil on hand end of month 1,000 pounds	81,224	70,893	74,092	66,315
Once refined oil on hand end of month 1,000 pounds	103,791	99,337	103,413	102,794
Cottonseed				
Crush				
Seeds crushed..... tons	135,468	127,037	136,880	115,598
Crude oil produced 1,000 pounds	35,898	35,674	33,483	34,139
Cake and meal produced..... tons	59,707	52,320	55,723	47,837
Refine				
Crude oil processed in refining 1,000 pounds	37,978	35,631	32,132	32,390
Once refined oil produced 1,000 pounds	37,157	34,778	31,507	31,613
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	34,839	36,027	28,335	31,010
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	28,677	23,208	23,316	32,277
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	34,245	34,549	38,214	39,105
Coconut				
Refine				
Crude oil processed in refining 1,000 pounds	40,834	47,251	32,135	(D)
Once refined oil produced 1,000 pounds	40,360	46,651	31,550	(D)
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	46,168	50,382	41,167	45,457
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	72,845	74,624	78,121	73,610
Once refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Corn				
Crush				
Crude oil produced 1,000 pounds	154,142	142,574	154,472	143,271
Refine				
Crude oil processed in refining 1,000 pounds	158,642	135,395	143,026	149,306
Once refined oil produced 1,000 pounds	154,792	132,630	140,069	146,626
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	147,841	111,553	131,409	169,951
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	101,530	107,448	106,982	83,120
Once refined oil on hand end of month 1,000 pounds	86,326	96,370	97,215	85,903

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	May 2023	June 2023	July 2023	August 2023
Canola				
Crush				
Seeds crushedtons	140,590	158,305	209,247	190,420
Crude oil produced..... 1,000 pounds	114,408	127,999	163,415	154,318
Cake and meal produced.....tons	76,920	93,550	120,514	111,691
Refine				
Crude oil processed in refining..... 1,000 pounds	111,061	139,311	171,635	160,571
Once refined oil produced..... 1,000 pounds	107,909	134,810	166,430	155,251
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	125,334	135,231	151,221	169,926
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month.....tons	(D)	(D)	59,054	57,862
Crude oil on hand end of month..... 1,000 pounds	71,326	71,429	46,087	44,484
Once refined oil on hand end of month..... 1,000 pounds	87,638	88,070	106,273	91,947
Cottonseed				
Crush				
Seeds crushedtons	77,100	112,069	85,306	114,845
Crude oil produced..... 1,000 pounds	24,744	28,808	22,061	26,651
Cake and meal produced.....tons	36,517	46,755	33,807	52,983
Refine				
Crude oil processed in refining..... 1,000 pounds	25,640	29,985	26,595	30,096
Once refined oil produced..... 1,000 pounds	24,814	29,262	25,774	29,401
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	35,364	28,622	32,537	29,774
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month.....tons	32,320	44,954	33,863	35,775
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	28,969	31,031	24,997	25,250
Coconut				
Refine				
Crude oil processed in refining..... 1,000 pounds	(D)	38,420	38,338	31,646
Once refined oil produced..... 1,000 pounds	(D)	38,315	38,204	31,194
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	45,475	44,501	44,888	59,053
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	73,489	71,699	87,830	89,686
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	65,277	(D)
Corn				
Crush				
Crude oil produced..... 1,000 pounds	159,873	160,433	148,605	135,681
Refine				
Crude oil processed in refining..... 1,000 pounds	137,623	135,130	132,532	147,260
Once refined oil produced..... 1,000 pounds	135,939	131,616	128,618	142,093
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	145,655	147,220	103,967	145,624
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	72,203	79,543	80,570	76,654
Once refined oil on hand end of month..... 1,000 pounds	84,855	54,807	64,592	51,351

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	September 2023	October 2023	November 2023	December 2023
Canola				
Crush				
Seeds crushed..... tons	209,430	202,333	219,843	192,796
Crude oil produced 1,000 pounds	166,325	162,186	176,091	154,920
Cake and meal produced..... tons	120,412	117,990	125,765	114,827
Refine				
Crude oil processed in refining 1,000 pounds	152,818	173,490	162,687	163,646
Once refined oil produced 1,000 pounds	148,095	167,836	157,769	156,144
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	143,837	177,207	164,181	154,373
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	(D)	(D)	(D)	(D)
Crude oil on hand end of month 1,000 pounds	59,189	57,856	74,387	92,735
Once refined oil on hand end of month 1,000 pounds	99,884	96,388	92,318	96,989
Cottonseed				
Crush				
Seeds crushed..... tons	116,030	140,441	116,560	133,563
Crude oil produced 1,000 pounds	28,397	38,286	31,122	35,464
Cake and meal produced..... tons	52,968	58,103	50,801	57,121
Refine				
Crude oil processed in refining 1,000 pounds	37,556	35,925	27,198	32,754
Once refined oil produced 1,000 pounds	36,499	34,958	26,630	32,029
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	39,879	28,795	27,223	28,198
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	32,561	31,781	29,930	27,930
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	22,137	29,184	27,843	33,364
Coconut				
Refine				
Crude oil processed in refining 1,000 pounds	(D)	29,783	25,041	26,072
Once refined oil produced 1,000 pounds	(D)	29,512	24,893	25,808
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	44,208	42,142	40,667	29,062
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	77,085	61,736	58,700	59,162
Once refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	65,485
Corn				
Crush				
Crude oil produced 1,000 pounds	121,868	133,008	166,582	149,196
Refine				
Crude oil processed in refining 1,000 pounds	155,872	151,756	169,648	150,678
Once refined oil produced 1,000 pounds	149,662	147,612	165,387	146,590
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	124,848	120,324	156,060	119,251
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	71,026	80,126	80,126	(D)
Once refined oil on hand end of month 1,000 pounds	51,575	68,502	61,316	65,564

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	Total 2023
Canola	
Crush	
Seeds crushed tons	2,269,246
Crude oil produced 1,000 pounds	1,819,314
Cake and meal produced tons	1,320,355
Refine	
Crude oil processed in refining 1,000 pounds	1,860,489
Once refined oil produced 1,000 pounds	1,802,127
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	1,831,465
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing 1,000 pounds	(D)
Cottonseed	
Crush	
Seeds crushed tons	1,410,897
Crude oil produced 1,000 pounds	374,727
Cake and meal produced tons	604,642
Refine	
Crude oil processed in refining 1,000 pounds	383,880
Once refined oil produced 1,000 pounds	374,422
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	380,603
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing 1,000 pounds	(D)
Coconut	
Refine	
Crude oil processed in refining 1,000 pounds	(D)
Once refined oil produced 1,000 pounds	(D)
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	533,170
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing 1,000 pounds	(D)
Corn	
Crush	
Crude oil produced 1,000 pounds	(D)
Refine	
Crude oil processed in refining 1,000 pounds	1,766,868
Once refined oil produced 1,000 pounds	1,721,634
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	1,623,703
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing 1,000 pounds	(D)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	January 2023	February 2023	March 2023	April 2023
Palm kernel				
Consumption				
Once refined oil removed for use in processing1,000 pounds	26,809	24,699	30,970	24,541
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month1,000 pounds	52,523	55,149	57,766	51,053
Palm				
Consumption				
Once refined oil removed for use in processing1,000 pounds	203,156	193,523	212,217	170,123
Removed for edible use in processing1,000 pounds	198,635	190,974	210,370	165,931
Removed for inedible use in processing1,000 pounds	4,521	2,549	1,847	4,192
Stocks				
Once refined oil on hand end of month1,000 pounds	342,694	339,582	349,658	339,133
Peanut				
Refine				
Crude oil processed in refining1,000 pounds	30,266	33,837	18,392	30,092
Once refined oil produced1,000 pounds	28,210	31,871	17,613	28,402
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	26,923	24,113	21,207	24,678
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	26,396	25,965	25,961	(D)
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Safflower				
Refine				
Crude oil processed in refining1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil produced1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	5,459	4,899	3,782	5,299
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	8,850	11,444	11,838	7,753
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining1,000 pounds	33,406	46,913	44,285	30,736
Once refined oil produced1,000 pounds	32,289	45,343	43,400	29,753
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	39,089	34,611	(D)	(D)
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	54,865	54,115	57,952	60,181
Once refined oil on hand end of month1,000 pounds	39,217	47,606	50,455	40,097
Vegetable foots, raw and acidulated				
Refine				
Oil produced1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	May 2023	June 2023	July 2023	August 2023
Palm kernel				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	23,887	22,359	24,312	30,803
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month..... 1,000 pounds	53,833	62,207	60,642	48,117
Palm				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	190,797	195,764	184,780	211,348
Removed for edible use in processing 1,000 pounds	185,109	189,849	177,134	201,911
Removed for inedible use in processing..... 1,000 pounds	5,688	5,915	7,646	9,437
Stocks				
Once refined oil on hand end of month..... 1,000 pounds	356,708	356,514	353,625	340,693
Peanut				
Refine				
Crude oil processed in refining..... 1,000 pounds	23,171	29,558	27,663	36,829
Once refined oil produced..... 1,000 pounds	23,147	27,841	26,399	35,580
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	22,297	24,210	30,877	32,877
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	26,627	28,201	29,942	29,496
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)	(D)
Safflower				
Refine				
Crude oil processed in refining..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil produced..... 1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	5,073	2,682	3,400	4,446
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	7,819	10,020	13,883	14,176
Once refined oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining..... 1,000 pounds	25,595	50,679	37,399	35,659
Once refined oil produced..... 1,000 pounds	24,562	48,639	36,141	33,773
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(D)	31,691	(D)	(D)
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	51,038	51,984	44,842	52,507
Once refined oil on hand end of month..... 1,000 pounds	28,042	35,684	38,599	29,804
Vegetable foots, raw and acidulated				
Refine				
Oil produced 1,000 pounds	(D)	(D)	(NA)	(NA)
Consumption				
Oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(NA)	(NA)
Stocks				
Oil on hand end of month 1,000 pounds	(D)	(D)	(NA)	(NA)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	September 2023	October 2023	November 2023	December 2023
Palm kernel				
Consumption				
Once refined oil removed for use in processing1,000 pounds	24,982	45,342	44,170	43,017
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month1,000 pounds	71,122	60,917	85,836	92,256
Palm				
Consumption				
Once refined oil removed for use in processing1,000 pounds	199,137	231,358	191,707	166,646
Removed for edible use in processing1,000 pounds	186,680	227,486	189,158	(D)
Removed for inedible use in processing1,000 pounds	12,457	3,872	2,549	(D)
Stocks				
Once refined oil on hand end of month1,000 pounds	355,518	328,151	339,532	358,223
Peanut				
Refine				
Crude oil processed in refining1,000 pounds	32,232	34,322	22,832	(D)
Once refined oil produced1,000 pounds	30,773	32,248	21,525	(D)
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	28,587	31,075	27,037	18,619
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	27,597	19,530	21,871	21,862
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Safflower				
Refine				
Crude oil processed in refining1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil produced1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	4,688	5,599	3,943	3,560
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	9,770	8,386	5,329	3,393
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining1,000 pounds	36,039	45,180	26,474	33,148
Once refined oil produced1,000 pounds	34,891	43,267	25,268	31,868
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing1,000 pounds	24,553	30,316	31,878	31,776
Removed for edible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month1,000 pounds	48,964	42,003	45,997	41,044
Once refined oil on hand end of month1,000 pounds	37,792	48,671	39,389	37,572
Vegetable foots, raw and acidulated				
Refine				
Oil produced1,000 pounds	(NA)	(NA)	(NA)	(NA)
Consumption				
Oil removed for inedible use in processing1,000 pounds	(NA)	(NA)	(NA)	(NA)
Stocks				
Oil on hand end of month1,000 pounds	(NA)	(NA)	(NA)	(NA)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2023 (continued)

Item	Total 2023
Palm kernel	
Consumption	
Once refined oil removed for use in processing..... 1,000 pounds	365,891
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Palm	
Consumption	
Once refined oil removed for use in processing..... 1,000 pounds	2,350,556
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Peanut	
Refine	
Crude oil processed in refining..... 1,000 pounds	(D)
Once refined oil produced..... 1,000 pounds	(D)
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	312,500
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Safflower	
Refine	
Crude oil processed in refining..... 1,000 pounds	(D)
Once refined oil produced..... 1,000 pounds	(D)
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	52,830
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Sunflower	
Refine	
Crude oil processed in refining..... 1,000 pounds	445,513
Once refined oil produced..... 1,000 pounds	429,194
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	401,639
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Vegetable foots, raw and acidulated	
Refine	
Oil produced 1,000 pounds	(D)
Consumption	
Oil removed for inedible use in processing..... 1,000 pounds	(D)

- Represents zero.

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

(NA) Not available.

Animal Fats and Oils Production, Consumption and Stocks – United States: 2023

Item	January 2023	February 2023	March 2023	April 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	114,801	119,578	119,429	103,830
Removed for inedible use	114,094	121,222	120,275	101,360
Stocks on hand end of month.....	7,397	5,752	4,905	7,374
Feather meal				
Production.....	86,375	98,709	95,113	85,473
Stocks on hand end of month.....	17,472	17,597	16,898	16,088
Lard				
Production.....	18,686	24,024	24,173	28,210
Removed for use in processing	19,345	21,804	22,231	24,766
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	4,888	7,107	9,050	12,494
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	455,104	469,199	497,179	426,655
Stocks on hand end of month.....	67,167	57,511	57,886	53,012
Other grease				
Production.....	29,071	26,927	30,803	25,659
Removed for inedible use in processing	31,135	25,958	34,699	24,849
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	163,933	191,354	183,306	171,410
Removed for inedible use in processing	168,920	192,587	184,521	170,670
Stocks on hand end of month.....	26,958	25,725	24,467	25,214
Poultry by-product meals				
Production.....	320,285	357,221	341,907	305,559
Stocks on hand end of month.....	72,403	69,529	63,304	74,146
Tallow, edible				
Production.....	83,318	104,515	90,761	77,500
Removed for use in processing	82,985	125,895	75,762	84,150
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	28,222	13,479	29,268	22,786
Tallow, inedible				
Production.....	329,427	344,209	355,329	311,100
Removed for inedible use in processing	326,414	347,769	350,327	327,187
Stocks on hand end of month.....	123,011	(D)	80,309	(D)
Tallow, technical				
Production.....	106,980	114,881	102,563	98,289
Removed for inedible use in processing	104,517	117,869	104,230	97,332
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	171,133	168,332	197,567	172,826
Removed for inedible use in processing	173,341	148,641	189,261	178,968
Stocks on hand end of month.....	96,769	115,761	123,974	113,101

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2023 (continued)

Item	May 2023	June 2023	July 2023	August 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	118,053	109,628	92,937	126,669
Removed for inedible use.....	119,232	110,953	91,258	126,204
Stocks on hand end of month.....	6,182	4,802	6,481	6,947
Feather meal				
Production.....	102,046	91,202	82,833	98,767
Stocks on hand end of month.....	17,744	16,404	17,156	17,247
Lard				
Production.....	29,384	23,975	17,882	16,296
Removed for use in processing.....	31,934	28,592	17,614	15,183
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	11,634	(D)	7,019	8,132
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	450,452	436,184	438,993	548,565
Stocks on hand end of month.....	53,508	54,626	54,957	57,136
Other grease				
Production.....	18,069	23,179	24,837	24,104
Removed for inedible use in processing.....	23,713	25,268	27,555	25,350
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	197,783	182,772	175,875	212,507
Removed for inedible use in processing.....	202,052	175,550	179,771	206,925
Stocks on hand end of month.....	20,944	27,951	24,055	29,637
Poultry by-product meals				
Production.....	348,432	312,357	287,592	343,703
Stocks on hand end of month.....	82,947	74,254	74,936	78,480
Tallow, edible				
Production.....	83,634	87,103	89,242	85,834
Removed for use in processing.....	94,994	87,043	86,068	87,248
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	11,615	11,830	15,752	14,541
Tallow, inedible				
Production.....	334,453	280,902	281,771	312,653
Removed for inedible use in processing.....	341,330	290,791	281,572	317,970
Stocks on hand end of month.....	(D)	(D)	(D)	86,388
Tallow, technical				
Production.....	110,558	107,363	88,734	108,548
Removed for inedible use in processing.....	110,267	107,569	88,661	108,256
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	178,167	189,739	165,253	171,522
Removed for inedible use in processing.....	187,312	196,227	154,071	179,591
Stocks on hand end of month.....	103,946	97,457	108,639	100,581

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2023 (continued)

Item	September 2023	October 2023	November 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	100,468	104,509	118,975	112,909
Removed for inedible use	102,201	104,022	117,805	112,503
Stocks on hand end of month.....	9,048	5,700	6,870	7,276
Feather meal				
Production.....	98,011	77,966	89,588	78,412
Stocks on hand end of month.....	11,941	17,083	13,067	10,843
Lard				
Production.....	25,012	27,205	31,321	25,732
Removed for use in processing	25,156	25,124	34,185	25,179
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	7,756	9,837	8,071	8,624
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	489,565	474,864	524,539	507,927
Stocks on hand end of month.....	56,667	61,202	71,761	72,110
Other grease				
Production.....	22,510	23,128	28,496	21,243
Removed for inedible use in processing	19,750	27,414	27,795	18,667
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	210,430	194,647	222,197	185,719
Removed for inedible use in processing	210,501	183,191	222,031	191,314
Stocks on hand end of month.....	29,566	41,020	41,186	35,591
Poultry by-product meals				
Production.....	346,596	319,993	400,983	343,411
Stocks on hand end of month.....	86,793	111,022	94,491	101,213
Tallow, edible				
Production.....	94,343	75,970	98,797	85,396
Removed for use in processing	98,751	74,793	99,768	84,795
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	10,283	11,658	10,817	11,332
Tallow, inedible				
Production.....	291,186	317,689	320,372	332,402
Removed for inedible use in processing	302,544	310,114	316,371	336,304
Stocks on hand end of month.....	(D)	(D)	(D)	82,706
Tallow, technical				
Production.....	98,451	108,656	123,585	121,288
Removed for inedible use in processing	100,510	104,924	124,908	121,153
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	171,543	157,476	144,949	(D)
Removed for inedible use in processing	172,343	159,586	126,096	(D)
Stocks on hand end of month.....	99,771	97,659	116,513	(D)

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2023 (continued)

Item	Total 2023 (1,000 pounds)
Choice white grease	
Production.....	1,341,786
Removed for inedible use.....	1,341,129
Feather meal	
Production.....	1,084,495
Lard	
Production.....	291,900
Removed for use in processing.....	291,113
Removed for edible use in processing.....	(D)
Removed for inedible use in processing.....	(D)
Meat meal, meat and bone meal, and dry rendered tannage	
Production.....	5,719,226
Other grease	
Production.....	298,026
Removed for inedible use in processing.....	312,153
Poultry fats	
Production.....	2,291,933
Removed for inedible use in processing.....	2,288,033
Poultry by-product meals	
Production.....	4,028,039
Tallow, edible	
Production.....	1,056,413
Removed for use in processing.....	1,082,252
Removed for edible use in processing.....	(D)
Removed for inedible use in processing.....	(D)
Tallow, inedible	
Production.....	3,811,493
Removed for inedible use in processing.....	3,848,693
Tallow, technical	
Production.....	1,289,896
Removed for inedible use in processing.....	1,290,196
Yellow grease	
Production.....	(D)
Removed for inedible use in processing.....	(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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Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
Natasha Bruton – Barley, Cotton System Consumption, and Stocks, Grain Crushings.....	(202) 690-1042
David Colwell – Fats and Oils, Flour Milling Products.....	(202) 720-8800
Michelle Harder –County Estimates, Hay	(202) 690-8533
James Johanson – Rye, Wheat	(202) 720-8068
Greg Lemmons – Corn, Flaxseed, Proso Millet	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
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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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