



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 2470-9840

Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks 2022 Summary

March 2023

USDA



Contents

Summary..... 5

Soybean Crushing, Production, Consumption and Stocks – United States: 2022 6

Soybean Crushing – Regional: 2022..... 10

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 14

Animal Fats and Oils Production, Consumption and Stocks – United States: 2022 22

Statistical Methodology 26

Information Contacts 26

This page intentionally left blank

Summary

2022 Fats and Oils Oilseed Crushings, Production, Consumption and Stocks

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2022 Annual Summary of the Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks contains data and annual totals for January through December of 2022.

Soybeans crushed for crude oil was 65.9 million tons in 2022, an increase of 3 percent from 2021. Crude oil production was 26.0 billion pounds, up 3 percent from 2021.

Canola seeds crushed for crude oil was 1.90 million tons in 2022, down 7 percent from 2021. Crude oil production was 1.51 billion pounds, down 10 percent from 2021.

Tallow was published in three categories (edible, inedible, and technical). The largest percentage of tallow production was **inedible tallow** at 3.96 billion pounds in 2022. **Choice white grease production** was 1.36 billion pounds in 2022.

Soybean Crushing, Production, Consumption and Stocks – United States: 2022

Item	January 2022	February 2022	March 2022	April 2022
Crush				
Soybeans crushed..... tons	5,828,974	5,232,453	5,786,159	5,426,712
Crude oil produced1,000 pounds	2,277,355	2,064,199	2,277,541	2,143,118
Cake and meal produced tons	4,231,017	3,817,784	4,249,054	3,975,098
For animal feed..... tons	4,171,189	3,763,135	4,190,876	3,923,465
For edible protein products..... tons	59,828	54,649	58,178	51,633
Millfeed produced tons	302,136	272,171	300,577	279,447
Refine				
Crude oil processed in refining1,000 pounds	1,628,044	1,574,843	1,831,109	1,738,580
Once refined oil produced1,000 pounds	1,590,136	1,544,983	1,787,939	1,700,054
Consumption				
Crude oil removed for inedible use in processing.....1,000 pounds	180,564	148,218	161,282	126,614
Once refined oil removed for use in processing1,000 pounds	1,629,619	1,526,960	1,831,900	1,645,056
Removed for edible use in processing.....1,000 pounds	1,208,150	1,153,916	1,386,180	1,200,615
Removed for inedible use in processing1,000 pounds	421,469	373,044	445,720	444,441
Stocks				
Cake and meal on hand end of month tons	396,462	347,160	347,191	406,867
Millfeed on hand end of month tons	34,292	38,716	33,777	38,149
Crude oil on hand end of month1,000 pounds	2,113,724	2,172,311	2,084,253	2,018,976
Crusher.....1,000 pounds	957,236	1,019,221	986,203	1,006,036
Refiner.....1,000 pounds	372,831	397,323	390,616	367,769
Offsite.....1,000 pounds	783,657	755,767	707,434	645,171
Once refined oil on hand end of month1,000 pounds	386,200	393,796	349,465	405,216

See footnote(s) at end of table.

--continued

Soybean Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	May 2022	June 2022	July 2022	August 2022
Crush				
Soybeans crushed.....tons	5,427,160	5,222,412	5,441,780	5,252,619
Crude oil produced.....1,000 pounds	2,158,774	2,068,578	2,169,930	2,095,581
Cake and meal produced.....tons	3,978,135	3,837,474	3,988,429	3,870,512
For animal feed.....tons	3,925,030	3,777,123	3,931,407	3,814,195
For edible protein products.....tons	53,105	60,351	57,022	56,317
Millfeed produced.....tons	281,954	269,091	281,851	276,725
Refine				
Crude oil processed in refining.....1,000 pounds	1,795,117	1,678,171	1,724,576	1,782,045
Once refined oil produced.....1,000 pounds	1,757,400	1,639,717	1,691,268	1,739,066
Consumption				
Crude oil removed for inedible use in processing.....1,000 pounds	167,823	159,139	141,870	160,640
Once refined oil removed for use in processing.....1,000 pounds	1,746,305	1,653,391	1,692,867	1,729,555
Removed for edible use in processing.....1,000 pounds	1,221,104	1,151,293	1,188,333	1,230,067
Removed for inedible use in processing.....1,000 pounds	525,201	502,098	504,534	499,488
Stocks				
Cake and meal on hand end of month.....tons	414,543	324,073	479,121	308,670
Millfeed on hand end of month.....tons	49,212	33,231	47,602	39,262
Crude oil on hand end of month.....1,000 pounds	1,967,553	1,911,685	1,863,249	1,690,283
Crusher.....1,000 pounds	1,010,927	961,721	911,063	824,981
Refiner.....1,000 pounds	337,860	327,583	331,440	295,935
Offsite.....1,000 pounds	618,766	622,381	620,746	569,367
Once refined oil on hand end of month.....1,000 pounds	416,820	403,819	403,545	413,430

See footnote(s) at end of table.

--continued

Soybean Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	September 2022	October 2022	November 2022	December 2022
Crush				
Soybeans crushed..... tons	5,028,287	5,899,694	5,687,098	5,622,561
Crude oil produced1,000 pounds	1,992,964	2,338,085	2,199,962	2,195,358
Cake and meal produced tons	3,666,107	4,325,878	4,190,550	4,154,614
For animal feed..... tons	3,620,872	4,287,358	4,153,232	4,124,285
For edible protein products tons	45,235	38,520	37,318	30,329
Millfeed produced tons	258,932	277,518	279,416	282,795
Refine				
Crude oil processed in refining1,000 pounds	1,701,254	1,829,750	1,674,784	1,615,612
Once refined oil produced1,000 pounds	1,658,467	1,787,583	1,633,401	1,582,664
Consumption				
Crude oil removed for inedible use in processing.....1,000 pounds	164,392	176,792	185,610	(D)
Once refined oil removed for use in processing1,000 pounds	1,671,169	1,736,162	1,661,798	1,611,482
Removed for edible use in processing1,000 pounds	1,213,668	1,243,687	1,178,251	1,083,254
Removed for inedible use in processing1,000 pounds	457,501	492,475	483,547	528,228
Stocks				
Cake and meal on hand end of month tons	276,973	352,206	319,983	415,593
Millfeed on hand end of month tons	33,954	26,008	29,122	40,284
Crude oil on hand end of month1,000 pounds	1,590,053	1,640,358	1,677,220	1,902,380
Crusher.....1,000 pounds	747,228	825,227	900,680	1,014,514
Refiner.....1,000 pounds	268,633	245,947	247,316	355,265
Offsite.....1,000 pounds	574,192	569,184	529,224	532,601
Once refined oil on hand end of month1,000 pounds	401,095	453,265	435,061	403,767

See footnote(s) at end of table.

--continued

Soybean Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	Total 2022
Crush	
Soybeans crushed..... tons	65,855,909
Crude oil produced..... 1,000 pounds	25,981,445
Cake and meal produced..... tons	48,284,652
For animal feed tons	47,682,167
For edible protein products..... tons	602,485
Millfeed produced tons	3,362,613
Refine	
Crude oil processed in refining..... 1,000 pounds	20,573,885
Once refined oil produced..... 1,000 pounds	20,112,678
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	20,136,264
Removed for edible use in processing..... 1,000 pounds	14,458,518
Removed for inedible use in processing..... 1,000 pounds	5,677,746

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

Soybean Crushing – Regional: 2022

Region	Soybeans crushed			
	January 2022	February 2022	March 2022	April 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	679,959	595,948	675,525	653,419
Iowa.....	1,151,328	1,056,550	1,201,743	1,110,486
North and East ¹	1,353,371	1,175,071	1,307,652	1,298,834
North Central ²	935,755	886,474	964,389	881,353
South, West and Pacific ³	711,507	637,431	669,125	582,228
West Central ⁴	997,054	880,979	967,725	900,392
Region	Crude oil produced			
	January 2022	February 2022	March 2022	April 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	268,621	238,972	265,000	261,646
Iowa.....	452,387	421,061	478,317	440,696
North and East ¹	520,105	449,514	512,552	509,780
North Central ²	366,007	350,532	374,489	339,642
South, West and Pacific ³	273,533	248,263	257,838	224,499
West Central ⁴	396,702	355,857	389,345	366,855
Region	Crude oil stocks at crusher			
	January 2022	February 2022	March 2022	April 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	116,762	126,320	136,293	144,528
Iowa.....	186,959	205,632	205,612	202,283
North and East ¹	238,844	237,210	209,325	192,298
North Central ²	224,045	256,308	252,019	275,859
South, West and Pacific ³	61,372	58,886	63,585	70,968
West Central ⁴	129,254	134,865	119,369	120,100
Region	Cake and meal produced			
	January 2022	February 2022	March 2022	April 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	489,334	424,031	487,917	470,707
Iowa.....	846,014	783,301	886,163	822,746
North and East ¹	978,036	851,907	954,196	939,151
North Central ²	674,473	650,070	710,466	653,460
South, West and Pacific ³	509,587	460,444	491,191	424,226
West Central ⁴	733,573	648,031	719,121	664,808
Region	Cake and meal stocks			
	January 2022	February 2022	March 2022	April 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	59,751	40,707	42,072	61,559
Iowa.....	43,976	49,401	50,613	55,870
North and East ¹	126,846	119,050	117,923	121,964
North Central ²	60,049	49,291	38,943	53,073
South, West and Pacific ³	62,377	52,807	55,829	73,729
West Central ⁴	43,463	35,904	41,811	40,672

See footnote(s) at end of table.

--continued

Soybean Crushing – Regional: 2022 (continued)

Region	Soybeans crushed			
	May 2022	June 2022	July 2022	August 2022
	(tons)	(tons)	(tons)	(tons)
Illinois	626,572	545,170	621,387	527,085
Iowa.....	1,086,312	1,046,066	1,044,438	1,198,817
North and East ¹	1,132,823	1,177,246	1,158,212	1,103,922
North Central ²	968,543	973,607	960,021	863,888
South, West and Pacific ³	648,953	549,449	673,459	652,250
West Central ⁴	963,957	930,874	984,263	906,657
Region	Crude oil produced			
	May 2022	June 2022	July 2022	August 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	253,132	226,095	251,259	212,578
Iowa.....	430,398	418,181	414,197	481,065
North and East ¹	449,684	452,011	454,137	435,983
North Central ²	381,169	380,059	387,483	342,803
South, West and Pacific ³	257,538	213,559	259,827	255,709
West Central ⁴	386,853	378,673	403,027	367,443
Region	Crude oil stocks at crusher			
	May 2022	June 2022	July 2022	August 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	162,526	161,686	152,209	104,205
Iowa.....	182,137	165,164	134,456	156,450
North and East ¹	217,719	183,835	166,739	140,669
North Central ²	235,949	253,775	262,423	220,056
South, West and Pacific ³	85,977	63,317	60,697	60,174
West Central ⁴	126,619	133,944	134,539	143,427
Region	Cake and meal produced			
	May 2022	June 2022	July 2022	August 2022
	(tons)	(tons)	(tons)	(tons)
Illinois	454,664	405,904	443,990	390,837
Iowa.....	799,494	773,015	770,689	881,382
North and East ¹	825,175	849,835	845,001	810,874
North Central ²	710,082	718,278	716,406	642,633
South, West and Pacific ³	474,540	403,849	489,278	474,613
West Central ⁴	714,180	686,593	723,065	670,173
Region	Cake and meal stocks			
	May 2022	June 2022	July 2022	August 2022
	(tons)	(tons)	(tons)	(tons)
Illinois	53,059	62,138	81,320	55,833
Iowa.....	69,938	47,938	66,453	44,306
North and East ¹	116,230	103,651	107,561	73,600
North Central ²	50,804	46,809	79,207	52,046
South, West and Pacific ³	62,523	18,775	65,054	42,799
West Central ⁴	61,989	44,762	79,526	40,086

See footnote(s) at end of table.

--continued

Soybean Crushing – Regional: 2022 (continued)

Region	Soybeans crushed			
	September 2022	October 2022	November 2022	December 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	450,904	684,071	660,584	694,187
Iowa.....	1,121,016	1,213,824	1,148,152	1,134,458
North and East ¹	1,184,202	1,344,275	1,271,546	1,283,246
North Central ²	902,879	996,060	970,217	944,508
South, West and Pacific ³	636,007	681,372	686,744	616,438
West Central ⁴	733,279	980,092	949,855	949,724
Region	Crude oil produced			
	September 2022	October 2022	November 2022	December 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	175,570	275,511	253,481	280,113
Iowa.....	446,591	482,562	453,039	448,281
North and East ¹	467,892	520,536	483,583	492,431
North Central ²	347,749	386,494	368,080	360,964
South, West and Pacific ³	240,616	264,720	263,355	228,843
West Central ⁴	314,546	408,262	378,424	384,726
Region	Crude oil stocks at crusher			
	September 2022	October 2022	November 2022	December 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	70,180	(D)	(D)	(D)
Iowa.....	156,472	154,044	158,341	193,254
North and East ¹	125,113	134,813	161,899	196,326
North Central ²	205,582	207,068	205,420	300,268
South, West and Pacific ³	55,370	(D)	(D)	(D)
West Central ⁴	134,511	149,295	150,427	120,146
Region	Cake and meal produced			
	September 2022	October 2022	November 2022	December 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	319,087	490,974	478,494	503,197
Iowa.....	825,656	901,752	851,522	839,509
North and East ¹	865,132	981,993	939,736	950,508
North Central ²	674,000	734,825	721,242	699,789
South, West and Pacific ³	449,121	495,268	500,100	453,644
West Central ⁴	533,111	721,066	699,456	707,967
Region	Cake and meal stocks			
	September 2022	October 2022	November 2022	December 2022
	(tons)	(tons)	(tons)	(tons)
Illinois.....	73,658	50,909	54,037	71,576
Iowa.....	38,619	52,795	40,518	50,682
North and East ¹	62,441	99,026	94,944	127,540
North Central ²	32,105	53,628	51,920	62,261
South, West and Pacific ³	39,187	45,918	33,775	45,452
West Central ⁴	30,963	49,930	44,789	58,082

See footnote(s) at end of table.

--continued

Soybean Crushing – Regional: 2022 (continued)

Region	Soybeans crushed Total 2022
	(tons)
Illinois	7,414,811
Iowa.....	13,513,190
North and East ¹	14,790,400
North Central ²	11,247,694
South, West and Pacific ³	7,744,963
West Central ⁴	11,144,851
Region	Crude oil produced Total 2022
	(1,000 pounds)
Illinois	2,961,978
Iowa.....	5,366,775
North and East ¹	5,748,208
North Central ²	4,385,471
South, West and Pacific ³	2,988,300
West Central ⁴	4,530,713
Region	Cake and meal produced Total 2022
	(tons)
Illinois	5,359,136
Iowa.....	9,981,243
North and East ¹	10,791,544
North Central ²	8,305,724
South, West and Pacific ³	5,625,861
West Central ⁴	8,221,144

(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: 2022

Item	January 2022	February 2022	March 2022	April 2022
Canola				
Crush				
Seeds crushed..... tons	136,632	130,398	163,923	145,198
Crude oil produced1,000 pounds	113,003	101,075	124,427	113,295
Cake and meal produced..... tons	84,790	75,575	94,188	84,805
Refine				
Crude oil processed in refining1,000 pounds	126,895	100,227	155,433	128,622
Once refined oil produced1,000 pounds	123,268	97,094	150,795	125,200
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	131,627	102,485	144,668	129,434
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	35,330	37,972	38,634	41,077
Crude oil on hand end of month1,000 pounds	35,248	47,546	52,639	61,319
Once refined oil on hand end of month1,000 pounds	90,021	89,372	84,414	89,036
Cottonseed				
Crush				
Seeds crushed..... tons	137,324	143,834	132,455	126,849
Crude oil produced1,000 pounds	36,453	40,353	34,759	35,304
Cake and meal produced..... tons	60,587	62,357	56,954	56,677
Refine				
Crude oil processed in refining1,000 pounds	40,408	45,186	48,588	43,107
Once refined oil produced1,000 pounds	39,382	44,334	47,266	42,014
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	44,859	41,071	46,454	43,418
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	23,122	17,442	8,593	10,930
Crude oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	22,857	25,311	25,086	24,748
Coconut				
Refine				
Crude oil processed in refining1,000 pounds	36,914	34,524	40,918	40,996
Once refined oil produced1,000 pounds	36,427	33,989	40,352	40,416
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	48,797	53,175	50,797	64,448
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 month1,000 pounds	86,095	95,334	83,829	108,248
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Corn				
Crush				
Crude oil produced1,000 pounds	166,537	137,968	158,000	154,337
Refine				
Crude oil processed in refining1,000 pounds	172,862	154,531	162,798	158,986
Once refined oil produced1,000 pounds	168,977	150,926	158,638	155,391
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	159,360	140,193	144,954	140,063
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 month1,000 pounds	110,025	108,552	93,827	97,003
Once refined oil on hand end of month1,000 pounds	73,261	80,532	84,074	88,200

See footnote(s) at end of table.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	May 2022	June 2022	July 2022	August 2022
Canola				
Crush				
Seeds crushedtons	97,792	147,715	151,561	171,334
Crude oil produced.....1,000 pounds	76,861	119,992	119,152	136,548
Cake and meal produced.....tons	56,819	86,797	88,604	98,045
Refine				
Crude oil processed in refining.....1,000 pounds	93,711	127,618	124,878	139,738
Once refined oil produced.....1,000 pounds	91,442	124,410	121,266	135,102
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	100,474	116,943	117,738	141,567
Removed for edible use in processing1,000 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	31,177	38,456	44,875	41,821
Crude oil on hand end of month.....1,000 pounds	48,003	49,750	51,057	47,623
Once refined oil on hand end of month.....1,000 pounds	77,027	104,882	107,918	91,224
Cottonseed				
Crush				
Seeds crushedtons	145,600	152,410	126,481	125,126
Crude oil produced.....1,000 pounds	39,626	40,413	33,305	34,870
Cake and meal produced.....tons	62,212	64,715	53,922	54,218
Refine				
Crude oil processed in refining.....1,000 pounds	39,037	43,435	38,963	(D)
Once refined oil produced.....1,000 pounds	37,984	42,447	37,644	47,220
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	41,429	43,647	38,511	42,559
Removed for edible use in processing1,000 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	11,439	22,277	24,177	20,497
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	22,368	23,281	23,466	28,938
Coconut				
Refine				
Crude oil processed in refining.....1,000 pounds	48,003	41,906	49,321	41,785
Once refined oil produced.....1,000 pounds	47,368	41,438	48,608	41,213
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	72,193	51,426	70,914	76,809
Removed for edible use in processing1,000 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	81,927	69,367	103,577	89,939
Once refined oil on hand end of month.....1,000 pounds	(D)	(D)	(D)	(D)
Corn				
Crush				
Crude oil produced.....1,000 pounds	168,732	151,289	167,057	135,710
Refine				
Crude oil processed in refining.....1,000 pounds	168,414	155,053	156,976	173,588
Once refined oil produced.....1,000 pounds	164,839	152,221	152,597	168,299
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	141,014	160,437	129,489	176,504
Removed for edible use in processing1,000 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	98,329	93,184	109,149	85,405
Once refined oil on hand end of month.....1,000 pounds	95,669	78,953	88,638	68,610

See footnote(s) at end of table.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	September 2022	October 2022	November 2022	December 2022
Canola				
Crush				
Seeds crushed..... tons	189,285	208,459	180,750	181,455
Crude oil produced1,000 pounds	148,457	171,282	144,969	145,914
Cake and meal produced..... tons	106,555	120,679	100,676	104,207
Refine				
Crude oil processed in refining1,000 pounds	161,809	165,410	148,747	139,234
Once refined oil produced1,000 pounds	156,674	160,290	144,382	134,938
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	152,356	163,786	147,672	140,154
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	42,442	51,079	43,302	42,221
Crude oil on hand end of month1,000 pounds	61,082	59,848	61,701	87,567
Once refined oil on hand end of month1,000 pounds	108,468	114,767	109,170	103,076
Cottonseed				
Crush				
Seeds crushed..... tons	(D)	113,241	128,907	116,905
Crude oil produced1,000 pounds	(D)	29,255	33,921	32,247
Cake and meal produced..... tons	(D)	51,726	51,071	48,103
Refine				
Crude oil processed in refining1,000 pounds	(D)	40,965	38,141	27,617
Once refined oil produced1,000 pounds	(D)	39,833	37,089	27,030
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	34,079	32,272	34,201	30,730
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	22,316	36,122	36,043	31,286
Crude oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	23,698	31,660	35,119	31,793
Coconut				
Refine				
Crude oil processed in refining1,000 pounds	43,015	38,585	38,409	40,036
Once refined oil produced1,000 pounds	42,353	37,756	37,926	39,570
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	53,868	57,450	50,001	46,645
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 month1,000 pounds	91,128	78,240	101,043	98,919
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Corn				
Crush				
Crude oil produced1,000 pounds	141,157	146,592	169,342	163,919
Refine				
Crude oil processed in refining1,000 pounds	160,593	146,101	167,210	156,617
Once refined oil produced1,000 pounds	155,894	140,980	163,315	153,120
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	144,868	118,267	135,447	154,265
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 month1,000 pounds	78,989	90,279	81,177	86,610
Once refined oil on hand end of month1,000 pounds	69,284	76,966	95,005	85,652

See footnote(s) at end of table.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	Total 2022
Canola	
Crush	
Seeds crushed tons	1,904,502
Crude oil produced 1,000 pounds	1,514,975
Cake and meal produced tons	1,101,740
Refine	
Crude oil processed in refining 1,000 pounds	1,612,322
Once refined oil produced 1,000 pounds	1,564,861
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	1,588,904
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	(D)
Crude oil produced 1,000 pounds	(D)
Cake and meal produced tons	(D)
Refine	
Crude oil processed in refining 1,000 pounds	481,810
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	473,230
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	696,523
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	(D)
Refine	
Crude oil processed in refining 1,000 pounds	1,933,729
Once refined oil produced 1,000 pounds	1,885,197
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	1,744,861
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.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	January 2022	February 2022	March 2022	April 2022
Palm kernel				
Consumption				
Once refined oil removed for use in processing1,000 pounds	44,723	44,419	46,006	39,516
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	60,479	56,191	58,658	63,768
Palm				
Consumption				
Once refined oil removed for use in processing1,000 pounds	205,267	200,969	235,095	232,640
Removed for edible use in processing1,000 pounds	200,799	196,596	226,185	226,905
Removed for inedible use in processing1,000 pounds	(D)	4,373	8,910	5,735
Stocks				
Once refined oil on hand end of month1,000 pounds	303,780	376,451	404,466	372,291
Peanut				
Refine				
Crude oil processed in refining1,000 pounds	(D)	24,327	(D)	20,106
Once refined oil produced1,000 pounds	(D)	23,054	22,764	19,303
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	22,484	22,256	20,821	22,096
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	20,404	(D)	25,664	(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	(D)	8,199	1,824	(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	9,916	5,328	(D)	9,945
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining1,000 pounds	34,546	37,830	41,721	42,213
Once refined oil produced1,000 pounds	32,894	36,113	40,929	39,780
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	-	(D)	(D)	-
Once refined oil removed for use in processing1,000 pounds	29,420	34,433	37,243	35,701
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	(D)	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	22,343	20,690	19,266	18,539
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.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	May 2022	June 2022	July 2022	August 2022
Palm kernel				
Consumption				
Once refined oil removed for use in processing.....1,000 pounds	41,837	41,294	38,638	41,835
Removed for edible use in processing1,000 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	60,220	60,323	54,010	53,192
Palm				
Consumption				
Once refined oil removed for use in processing.....1,000 pounds	232,576	232,312	225,044	233,196
Removed for edible use in processing1,000 pounds	226,714	226,516	218,961	225,493
Removed for inedible use in processing.....1,000 pounds	5,862	5,796	6,083	7,703
Stocks				
Once refined oil on hand end of month.....1,000 pounds	398,958	371,338	362,041	336,493
Peanut				
Refine				
Crude oil processed in refining.....1,000 pounds	27,488	22,486	25,500	(D)
Once refined oil produced.....1,000 pounds	26,446	21,884	24,131	(D)
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	23,188	24,704	22,402	(D)
Removed for edible use in processing1,000 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	27,096	(D)	28,599	28,875
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	2,118	(D)	(D)	(D)
Once refined oil produced.....1,000 pounds	1,988	(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 processing.....1,000 pounds	6,606	4,741	9,311	(D)
Removed for edible use in processing1,000 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	10,405	8,657	7,793	6,763
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	41,140	39,473	53,338	55,840
Once refined oil produced.....1,000 pounds	39,532	37,627	51,542	54,031
Consumption				
Crude oil removed for inedible use in processing1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing.....1,000 pounds	31,193	37,958	42,167	34,024
Removed for edible use in processing1,000 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	(D)	22,448	(D)	(D)
Once refined oil on hand end of month.....1,000 pounds	20,567	16,898	21,844	35,776
Vegetable foots, raw and acidulated				
Refine				
Oil produced1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Oil removed for inedible use in processing.....1,000 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.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	September 2022	October 2022	November 2022	December 2022
Palm kernel				
Consumption				
Once refined oil removed for use in processing1,000 pounds	40,789	42,072	36,786	31,589
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	43,553	50,989	62,253	62,653
Palm				
Consumption				
Once refined oil removed for use in processing1,000 pounds	229,008	240,967	232,912	193,229
Removed for edible use in processing1,000 pounds	222,144	234,437	222,135	182,989
Removed for inedible use in processing1,000 pounds	6,864	6,530	10,777	10,240
Stocks				
Once refined oil on hand end of month1,000 pounds	353,147	385,132	409,711	377,887
Peanut				
Refine				
Crude oil processed in refining1,000 pounds	31,871	25,731	35,574	28,168
Once refined oil produced1,000 pounds	30,068	24,523	33,468	26,670
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	25,689	23,981	41,998	23,513
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	30,061	32,799	24,463	25,313
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	(D)	4,653	3,430	4,020
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	4,160	4,245	5,280	7,108
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining1,000 pounds	32,257	40,863	46,927	30,984
Once refined oil produced1,000 pounds	31,992	39,865	45,999	29,869
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	28,923	34,208	(D)	29,082
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	(D)	48,293	45,616	46,632
Once refined oil on hand end of month1,000 pounds	36,772	40,702	50,729	48,473
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.

--continued

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2022 (continued)

Item	Total 2022
Palm kernel	
Consumption	
Once refined oil removed for use in processing..... 1,000 pounds	489,504
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	2,693,215
Removed for edible use in processing 1,000 pounds	2,609,874
Removed for inedible use in processing..... 1,000 pounds	(D)
Peanut	
Refine	
Crude oil processed in refining..... 1,000 pounds	319,111
Once refined oil produced..... 1,000 pounds	304,020
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(D)
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	79,918
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	497,132
Once refined oil produced..... 1,000 pounds	480,173
Consumption	
Crude oil removed for inedible use in processing 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	(D)
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.

Animal Fats and Oils Production, Consumption and Stocks – United States: 2022

Item	January 2022	February 2022	March 2022	April 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	109,463	119,243	121,744	121,473
Removed for inedible use	107,287	120,964	122,380	121,506
Stocks on hand end of month.....	8,491	6,770	6,135	6,101
Feather meal				
Production.....	78,553	87,115	83,735	73,203
Stocks on hand end of month.....	15,504	17,263	19,273	17,031
Lard				
Production.....	22,136	31,369	25,219	19,982
Removed for use in processing	18,631	27,880	17,504	23,417
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.....	8,484	12,148	16,203	12,768
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	410,218	472,630	465,363	418,724
Stocks on hand end of month.....	76,777	68,604	75,961	67,578
Other grease				
Production.....	34,904	34,958	36,086	29,031
Removed for inedible use in processing	33,243	45,429	30,799	27,635
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	146,836	155,533	153,766	138,994
Removed for inedible use in processing	144,465	158,054	152,313	134,036
Stocks on hand end of month.....	32,060	29,337	30,720	35,678
Poultry by-product meals				
Production.....	269,761	240,473	291,501	276,285
Stocks on hand end of month.....	98,265	103,396	88,029	94,570
Tallow, edible				
Production.....	70,584	85,735	76,732	78,422
Removed for use in processing	69,867	87,907	75,635	87,075
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.....	24,681	(D)	23,823	(D)
Tallow, inedible				
Production.....	263,339	297,541	313,741	293,703
Removed for inedible use in processing	268,832	286,957	318,145	290,791
Stocks on hand end of month.....	(D)	(D)	110,218	113,130
Tallow, technical				
Production.....	92,765	114,061	108,555	110,277
Removed for inedible use in processing	90,349	115,164	109,079	108,624
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	158,784	161,409	181,127	170,873
Removed for inedible use in processing	173,722	149,325	153,284	226,008
Stocks on hand end of month.....	76,057	88,584	116,420	61,283

See footnote(s) at end of table.

--continued

Animal Fats and Oils Production, Consumption and Stocks – United States: 2022 (continued)

Item	May 2022	June 2022	July 2022	August 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	121,177	113,678	96,405	114,771
Removed for inedible use.....	122,035	114,790	96,166	111,776
Stocks on hand end of month.....	5,241	4,131	4,369	7,363
Feather meal				
Production.....	86,550	93,985	86,798	103,553
Stocks on hand end of month.....	18,566	16,601	20,529	17,496
Lard				
Production.....	25,013	22,014	17,133	22,765
Removed for use in processing.....	24,701	24,987	19,993	27,875
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.....	13,080	10,107	9,925	8,825
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	448,347	488,158	410,593	467,293
Stocks on hand end of month.....	93,688	71,618	73,100	64,584
Other grease				
Production.....	29,390	35,758	29,404	29,908
Removed for inedible use in processing.....	30,225	35,822	27,684	37,842
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	160,012	175,255	161,882	196,484
Removed for inedible use in processing.....	161,635	177,201	163,061	199,539
Stocks on hand end of month.....	34,055	32,109	30,930	27,876
Poultry by-product meals				
Production.....	319,555	317,565	308,260	356,034
Stocks on hand end of month.....	97,001	112,957	76,871	78,683
Tallow, edible				
Production.....	84,538	95,201	78,414	101,625
Removed for use in processing.....	80,542	99,293	79,985	94,042
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.....	19,713	16,786	15,052	23,514
Tallow, inedible				
Production.....	319,041	366,186	304,608	350,702
Removed for inedible use in processing.....	312,694	374,825	298,622	345,923
Stocks on hand end of month.....	119,477	(D)	116,298	(D)
Tallow, technical				
Production.....	111,637	106,453	105,881	112,129
Removed for inedible use in processing.....	113,762	106,086	105,344	113,709
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	178,994	214,059	181,233	180,363
Removed for inedible use in processing.....	154,000	197,128	182,561	190,122
Stocks on hand end of month.....	86,277	103,207	101,967	92,166

See footnote(s) at end of table.

--continued

Animal Fats and Oils Production, Consumption and Stocks – United States: 2022 (continued)

Item	September 2022	October 2022	November 2022	December 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	107,242	108,287	116,593	110,981
Removed for inedible use	108,779	106,961	116,980	111,094
Stocks on hand end of month.....	5,828	7,153	6,766	6,654
Feather meal				
Production.....	100,523	95,769	103,734	90,640
Stocks on hand end of month.....	19,845	18,376	17,990	18,350
Lard				
Production.....	23,174	25,225	26,203	23,116
Removed for use in processing	25,478	23,882	27,514	22,625
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.....	6,522	7,110	5,055	5,546
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	493,846	491,779	473,623	490,739
Stocks on hand end of month.....	76,001	61,259	68,509	63,339
Other grease				
Production.....	37,643	29,361	25,351	35,372
Removed for inedible use in processing	26,959	29,570	26,135	31,121
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	187,018	181,944	192,127	173,886
Removed for inedible use in processing	189,937	176,606	196,332	168,077
Stocks on hand end of month.....	24,957	30,295	26,090	31,900
Poultry by-product meals				
Production.....	359,934	356,010	364,126	351,019
Stocks on hand end of month.....	81,057	70,326	68,800	85,524
Tallow, edible				
Production.....	90,220	81,113	69,448	77,324
Removed for use in processing	83,444	81,596	69,526	81,357
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.....	(D)	(D)	(D)	(D)
Tallow, inedible				
Production.....	353,930	375,095	361,471	356,800
Removed for inedible use in processing	359,980	391,965	340,355	356,072
Stocks on hand end of month.....	115,022	98,152	(D)	119,997
Tallow, technical				
Production.....	103,219	113,204	124,918	99,627
Removed for inedible use in processing	102,241	114,555	124,420	97,983
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Yellow grease				
Production.....	201,319	187,894	166,338	176,986
Removed for inedible use in processing	196,547	184,149	163,358	181,668
Stocks on hand end of month.....	96,934	100,680	103,660	98,977

See footnote(s) at end of table.

--continued

Animal Fats and Oils Production, Consumption and Stocks – United States: 2022 (continued)

Item	Total 2022 (1,000 pounds)
Choice white grease	
Production.....	1,361,057
Removed for inedible use.....	1,360,718
Feather meal	
Production.....	1,084,158
Lard	
Production.....	283,349
Removed for use in processing.....	284,487
Removed for edible use in processing.....	(D)
Removed for inedible use in processing.....	(D)
Meat meal, meat and bone meal, and dry rendered tankage	
Production.....	5,531,313
Other grease	
Production.....	387,166
Removed for inedible use in processing.....	382,464
Poultry fats	
Production.....	2,023,737
Removed for inedible use in processing.....	2,021,256
Poultry by-product meals	
Production.....	3,810,523
Tallow, edible	
Production.....	989,356
Removed for use in processing.....	990,269
Removed for edible use in processing.....	(D)
Removed for inedible use in processing.....	(D)
Tallow, inedible	
Production.....	3,956,157
Removed for inedible use in processing.....	3,945,161
Tallow, technical	
Production.....	1,302,726
Removed for inedible use in processing.....	1,301,316
Yellow grease	
Production.....	2,159,379
Removed for inedible use in processing.....	2,151,872

(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

Lance Honig, Chief, Crops Branch	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
Irwin Anolik – Crop Weather	(202) 720-7621
Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Michelle Harder – Barley, County Estimates, Hay.....	(202) 690-8533
James Johanson – Rye, Wheat.....	(202) 720-8068
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-2127
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369
Lihan Wei – Peanuts, Rice.....	(202) 720-7688

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.