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Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks 2019 Summary

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Summary

2019 Fats and Oils Oilseed Crushings, Production, Consumption and Stocks

As part of the Current Agricultural Industrial Reports (CAIR) program, the 2019 Annual Summary of the Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks contains data and annual totals for January through December of 2019.

Soybeans crushed for crude oil was 62.6 million tons in 2019, a decrease of 1 percent from 2018. Crude oil production was 24.1 billion pounds, up less than 1 percent from 2018.

Canola seeds crushed for crude oil was 1.85 million tons in 2019, down 3 percent from 2018. Crude oil production was 1.55 billion pounds, down 5 percent from 2018.

Tallow was published in three categories (edible, inedible, and technical). The largest percentage of tallow production was **inedible tallow** at 3.85 billion pounds in 2019. **Choice white grease production** was 1.35 billion pounds in 2019.

Soybean Crushing, Production, Consumption and Stocks – United States: 2019

Item	January 2019	February 2019	March 2019	April 2019
Crush				
Soybeans crushed tons	5,492,127	4,883,434	5,383,008	5,146,403
Crude oil produced..... 1,000 pounds	2,115,799	1,899,196	2,094,418	1,989,101
Cake and meal produced tons	3,988,737	3,583,222	3,926,558	3,763,527
For animal feed tons	3,946,158	3,542,305	3,879,565	3,722,534
For edible protein products..... tons	42,579	40,917	46,993	40,993
Millfeed produced..... tons	280,766	253,395	274,260	259,021
Refine				
Crude oil processed in refining..... 1,000 pounds	1,425,415	1,317,633	1,443,099	1,496,995
Once refined oil produced..... 1,000 pounds	1,397,805	1,287,932	1,413,729	1,460,651
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	123,436	112,980	99,527	90,051
Once refined oil removed for use in processing..... 1,000 pounds	1,411,818	1,296,996	1,466,744	1,528,830
Removed for edible use in processing..... 1,000 pounds	1,035,898	960,476	1,060,620	1,115,258
Removed for inedible use in processing..... 1,000 pounds	375,920	336,520	406,124	413,572
Stocks				
Cake and meal on hand end of month..... tons	380,224	263,515	465,159	337,326
Millfeed on hand end of month tons	39,577	31,364	44,934	47,847
Crude oil on hand end of month 1,000 pounds	1,659,501	1,762,965	1,893,918	1,893,351
Crusher..... 1,000 pounds	795,882	851,704	942,477	916,266
Refiner..... 1,000 pounds	438,974	(D)	(D)	(D)
Offsite..... 1,000 pounds	424,645	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	345,227	386,165	339,011	364,255

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	May 2019	June 2019	July 2019	August 2019
Crush				
Soybeans crushed..... tons	4,963,271	4,729,137	5,383,896	5,325,880
Crude oil produced1,000 pounds	1,915,994	1,811,481	2,090,168	2,049,888
Cake and meal produced..... tons	3,660,325	3,453,178	3,918,907	3,880,500
For animal feed..... tons	3,619,249	3,406,447	3,872,856	3,831,182
For edible protein products tons	41,076	46,731	46,051	49,318
Millfeed produced tons	249,227	243,145	267,367	270,264
Refine				
Crude oil processed in refining.....1,000 pounds	1,531,841	1,438,233	1,550,144	1,559,724
Once refined oil produced.....1,000 pounds	1,493,785	1,411,496	1,514,468	1,516,647
Consumption				
Crude oil removed for inedible use in processing.....1,000 pounds	94,211	91,283	97,319	90,068
Once refined oil removed for use in processing1,000 pounds	1,545,757	1,455,630	1,602,979	1,569,905
Removed for edible use in processing1,000 pounds	1,121,029	1,038,178	1,131,172	1,142,855
Removed for inedible use in processing.....1,000 pounds	424,728	417,452	471,807	427,050
Stocks				
Cake and meal on hand end of month tons	276,276	376,025	345,450	384,976
Millfeed on hand end of month..... tons	35,829	48,431	39,762	48,338
Crude oil on hand end of month.....1,000 pounds	1,662,782	1,595,273	1,652,854	1,439,479
Crusher.....1,000 pounds	810,916	802,215	790,119	731,432
Refiner.....1,000 pounds	482,276	402,875	423,124	420,795
Offsite.....1,000 pounds	369,590	390,183	439,611	287,252
Once refined oil on hand end of month1,000 pounds	356,085	419,147	386,647	366,668

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	September 2019	October 2019	November 2019	December 2019
Crush				
Soybeans crushed..... tons	4,870,034	5,615,616	5,239,452	5,542,274
Crude oil produced..... 1,000 pounds	1,900,668	2,149,969	1,999,648	2,110,936
Cake and meal produced..... tons	3,553,484	4,105,453	3,855,827	4,062,929
For animal feed..... tons	3,514,472	4,057,404	3,813,221	4,013,049
For edible protein products..... tons	39,012	48,049	42,606	49,880
Millfeed produced..... tons	246,065	276,379	255,945	274,643
Refine				
Crude oil processed in refining..... 1,000 pounds	1,448,211	1,610,868	1,397,170	1,389,872
Once refined oil produced..... 1,000 pounds	1,412,136	1,566,003	1,362,343	1,363,403
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	82,646	(D)	106,331	112,132
Once refined oil removed for use in processing..... 1,000 pounds	1,493,955	1,624,992	1,400,401	1,407,060
Removed for edible use in processing..... 1,000 pounds	1,067,450	1,137,516	1,013,344	1,018,050
Removed for inedible use in processing..... 1,000 pounds	426,505	487,476	387,057	389,010
Stocks				
Cake and meal on hand end of month..... tons	360,387	335,183	426,332	342,085
Millfeed on hand end of month..... tons	41,628	30,176	41,081	34,987
Crude oil on hand end of month..... 1,000 pounds	1,400,569	1,471,929	1,522,923	1,749,423
Crusher..... 1,000 pounds	697,669	646,004	739,832	830,219
Refiner..... 1,000 pounds	410,770	412,870	392,630	413,425
Offsite..... 1,000 pounds	292,130	413,055	390,461	505,779
Once refined oil on hand end of month..... 1,000 pounds	374,747	349,029	357,435	384,641

See footnote(s) at end of table.

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Soybean Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	Total 2019
Crush	
Soybeans crushed..... tons	62,574,532
Crude oil produced 1,000 pounds	24,127,266
Cake and meal produced..... tons	45,752,647
For animal feed..... tons	45,218,442
For edible protein products tons	534,205
Millfeed produced tons	3,150,477
Refine	
Crude oil processed in refining..... 1,000 pounds	17,609,205
Once refined oil produced..... 1,000 pounds	17,200,398
Consumption	
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)
Once refined oil removed for use in processing 1,000 pounds	17,805,067
Removed for edible use in processing 1,000 pounds	12,841,846
Removed for inedible use in processing..... 1,000 pounds	4,963,221

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

Soybean Crushing – Regional: 2019

Region	Soybeans crushed			
	January 2019	February 2019	March 2019	April 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	684,581	590,483	687,766	597,030
Iowa.....	1,141,744	1,018,700	1,124,006	1,147,401
North and East ¹	1,294,880	1,162,486	1,294,358	1,201,783
North Central ²	730,058	633,558	725,092	694,306
South, West and Pacific ³	696,362	645,697	665,443	672,911
West Central ⁴	944,502	832,510	886,343	832,972
Region	Crude oil produced			
	January 2019	February 2019	March 2019	April 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	269,325	237,892	278,846	242,119
Iowa.....	442,543	395,432	441,235	446,126
North and East ¹	502,921	444,840	497,656	461,600
North Central ²	276,478	239,732	274,714	264,430
South, West and Pacific ³	269,221	250,889	261,026	258,121
West Central ⁴	355,311	330,411	340,941	316,705
Region	Crude oil stocks at crusher			
	January 2019	February 2019	March 2019	April 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	129,645	136,407	185,655	202,122
Iowa.....	163,529	184,517	198,297	165,013
North and East ¹	199,748	217,638	218,384	207,466
North Central ²	214,817	210,663	234,168	245,447
South, West and Pacific ³	48,335	(D)	56,485	(D)
West Central ⁴	39,808	(D)	49,488	(D)
Region	Cake and meal produced			
	January 2019	February 2019	March 2019	April 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	486,990	422,969	497,495	431,478
Iowa.....	839,244	751,983	825,242	844,830
North and East ¹	940,010	848,293	941,717	884,970
North Central ²	540,247	465,846	537,551	513,564
South, West and Pacific ³	492,970	462,724	478,007	481,344
West Central ⁴	689,276	631,407	646,546	607,341
Region	Cake and meal stocks			
	January 2019	February 2019	March 2019	April 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	98,116	51,570	85,134	66,795
Iowa.....	45,253	35,373	97,918	75,450
North and East ¹	97,462	67,969	108,897	83,710
North Central ²	36,196	34,125	51,211	33,888
South, West and Pacific ³	52,825	42,847	69,224	(D)
West Central ⁴	50,372	31,631	52,775	(D)

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2019 (continued)

Region	Soybeans crushed			
	May 2019	June 2019	July 2019	August 2019
	(tons)	(tons)	(tons)	(tons)
Illinois	472,570	513,588	692,126	679,235
Iowa	1,126,100	921,588	1,104,400	1,014,706
North and East ¹	1,160,768	1,212,672	1,266,215	1,237,662
North Central ²	686,496	702,629	766,908	829,756
South, West and Pacific ³	669,546	516,578	645,223	656,385
West Central ⁴	847,791	862,082	909,024	908,136
Region	Crude oil produced			
	May 2019	June 2019	July 2019	August 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	196,663	204,795	277,064	270,644
Iowa	435,841	357,533	430,443	392,396
North and East ¹	436,813	455,344	490,886	470,079
North Central ²	258,860	264,600	291,825	306,382
South, West and Pacific ³	262,632	197,226	248,741	255,954
West Central ⁴	325,185	331,983	351,209	354,433
Region	Crude oil stocks at crusher			
	May 2019	June 2019	July 2019	August 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	177,856	151,492	(D)	(D)
Iowa	150,470	146,379	116,694	92,479
North and East ¹	177,673	189,761	199,453	167,717
North Central ²	212,449	215,622	209,971	199,738
South, West and Pacific ³	47,482	56,807	54,633	49,456
West Central ⁴	44,986	42,154	(D)	(D)
Region	Cake and meal produced			
	May 2019	June 2019	July 2019	August 2019
	(tons)	(tons)	(tons)	(tons)
Illinois	353,748	374,720	493,459	491,362
Iowa	829,496	679,988	806,237	740,469
North and East ¹	850,463	883,791	919,601	900,203
North Central ²	515,103	516,094	571,223	613,310
South, West and Pacific ³	486,253	365,783	464,539	473,265
West Central ⁴	625,262	632,802	663,848	661,891
Region	Cake and meal stocks			
	May 2019	June 2019	July 2019	August 2019
	(tons)	(tons)	(tons)	(tons)
Illinois	44,769	77,454	61,149	82,619
Iowa	79,636	85,736	67,871	43,254
North and East ¹	67,263	92,581	94,540	126,443
North Central ²	24,176	30,992	32,820	29,698
South, West and Pacific ³	25,721	31,480	48,088	52,002
West Central ⁴	34,711	57,782	40,982	50,960

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2019 (continued)

Region	Soybeans crushed			
	September 2019	October 2019	November 2019	December 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	525,265	650,019	613,808	671,352
Iowa.....	1,094,919	1,175,367	1,040,264	1,132,541
North and East ¹	1,226,240	1,339,397	1,227,011	1,303,311
North Central ²	749,420	863,537	775,266	819,147
South, West and Pacific ³	543,194	623,946	653,676	680,364
West Central ⁴	730,996	963,350	929,427	935,559
Region	Crude oil produced			
	September 2019	October 2019	November 2019	December 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	214,278	255,867	234,749	263,719
Iowa.....	425,524	452,784	397,636	429,602
North and East ¹	477,829	516,049	467,445	497,540
North Central ²	287,618	311,889	290,754	297,572
South, West and Pacific ³	212,573	242,801	252,658	260,953
West Central ⁴	282,846	370,579	356,406	361,550
Region	Crude oil stocks at crusher			
	September 2019	October 2019	November 2019	December 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois.....	123,925	99,680	117,153	156,367
Iowa.....	101,846	97,692	150,248	160,311
North and East ¹	168,120	181,614	193,446	224,720
North Central ²	214,666	171,529	176,423	189,297
South, West and Pacific ³	48,371	55,456	62,768	51,790
West Central ⁴	40,741	40,033	39,794	47,734
Region	Cake and meal produced			
	September 2019	October 2019	November 2019	December 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	372,228	466,761	447,210	493,441
Iowa.....	808,327	862,818	767,357	831,942
North and East ¹	891,792	982,999	903,978	949,863
North Central ²	549,555	632,993	570,693	605,570
South, West and Pacific ³	392,077	455,123	476,279	487,156
West Central ⁴	539,505	704,759	690,310	694,957
Region	Cake and meal stocks			
	September 2019	October 2019	November 2019	December 2019
	(tons)	(tons)	(tons)	(tons)
Illinois.....	69,794	72,400	88,658	99,599
Iowa.....	49,610	36,425	62,898	43,441
North and East ¹	81,633	98,909	110,754	54,872
North Central ²	49,400	32,419	51,934	38,531
South, West and Pacific ³	49,050	47,497	70,733	61,569
West Central ⁴	60,900	47,533	41,355	44,073

See footnote(s) at end of table.

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Soybean Crushing – Regional: 2019 (continued)

Region	Soybeans crushed Total 2019
	(tons)
Illinois	7,377,823
Iowa	13,041,736
North and East ¹	14,926,783
North Central ²	8,976,173
South, West and Pacific ³	7,669,325
West Central ⁴	10,582,692
Region	Crude oil produced Total 2019
	(1,000 pounds)
Illinois	2,945,961
Iowa	5,047,095
North and East ¹	5,719,002
North Central ²	3,364,854
South, West and Pacific ³	2,972,795
West Central ⁴	4,077,559
Region	Cake and meal produced Total 2019
	(tons)
Illinois	5,331,861
Iowa	9,587,933
North and East ¹	10,897,680
North Central ²	6,631,749
South, West and Pacific ³	5,515,520
West Central ⁴	7,787,904

(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: 2019

Item	January 2019	February 2019	March 2019	April 2019
Canola				
Crush				
Seeds crushed..... tons	162,631	136,421	142,921	162,467
Crude oil produced..... 1,000 pounds	135,572	115,595	122,641	138,933
Cake and meal produced..... tons	91,447	78,565	81,313	91,629
Refine				
Crude oil processed in refining..... 1,000 pounds	128,949	105,717	126,726	106,340
Once refined oil produced..... 1,000 pounds	124,273	102,151	122,862	103,515
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	138,584	138,636	141,149	142,814
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	100,172	97,983	84,037	87,825
Once refined oil on hand end of month..... 1,000 pounds	96,910	99,975	110,446	108,334
Cottonseed				
Crush				
Seeds crushed..... tons	167,644	136,983	158,413	133,625
Crude oil produced..... 1,000 pounds	48,266	35,153	42,226	37,831
Cake and meal produced..... tons	79,973	66,168	69,935	59,880
Refine				
Crude oil processed in refining..... 1,000 pounds	51,521	38,224	47,265	36,511
Once refined oil produced..... 1,000 pounds	49,952	36,862	45,661	35,354
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	50,486	40,861	46,799	41,118
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	37,160	39,684	23,696	25,748
Crude oil on hand end of month..... 1,000 pounds	50,366	(D)	(D)	43,759
Once refined oil on hand end of month..... 1,000 pounds	27,101	28,123	31,736	27,367
Coconut				
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	71,174	72,946	81,614	64,145
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	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	72,278	74,792	62,274	67,811
Corn				
Crush				
Crude oil produced..... 1,000 pounds	164,740	155,624	174,917	168,461
Refine				
Crude oil processed in refining..... 1,000 pounds	161,718	163,563	181,056	170,860
Once refined oil produced..... 1,000 pounds	158,040	160,120	176,870	165,733
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	161,002	150,957	173,993	165,136
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	36,552	49,983	28,830	26,863
Once refined oil on hand end of month..... 1,000 pounds	69,008	68,410	(D)	(D)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	May 2019	June 2019	July 2019	August 2019
Canola				
Crush				
Seeds crushed..... tons	133,790	125,124	145,547	156,132
Crude oil produced1,000 pounds	113,165	108,332	121,974	126,475
Cake and meal produced..... tons	75,657	72,608	84,447	85,658
Refine				
Crude oil processed in refining.....1,000 pounds	118,240	112,974	106,287	75,839
Once refined oil produced.....1,000 pounds	115,344	109,656	102,407	72,802
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	136,663	142,953	143,445	114,735
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	(D)	(D)	(D)	(D)
Crude oil on hand end of month.....1,000 pounds	77,520	66,768	73,663	70,350
Once refined oil on hand end of month1,000 pounds	105,005	87,068	84,217	89,807
Cottonseed				
Crush				
Seeds crushed..... tons	121,057	122,379	96,586	132,991
Crude oil produced1,000 pounds	31,983	35,572	24,978	34,377
Cake and meal produced..... tons	55,708	55,097	43,108	51,699
Refine				
Crude oil processed in refining.....1,000 pounds	39,742	41,564	35,114	40,849
Once refined oil produced.....1,000 pounds	38,462	40,296	33,981	39,573
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	47,041	38,672	37,448	44,740
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	34,563	48,402	39,228	40,074
Crude oil on hand end of month.....1,000 pounds	37,514	33,015	(D)	(D)
Once refined oil on hand end of month1,000 pounds	20,945	24,596	19,094	18,203
Coconut				
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	66,934	67,806	70,008	80,690
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)	(D)	(D)	(D)
Once refined oil on hand end of month1,000 pounds	68,853	81,210	(D)	85,341
Corn				
Crush				
Crude oil produced1,000 pounds	178,930	179,383	185,828	175,563
Refine				
Crude oil processed in refining.....1,000 pounds	170,812	167,895	188,774	183,536
Once refined oil produced.....1,000 pounds	166,768	163,110	183,005	178,099
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	177,793	163,658	195,499	178,049
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	30,471	28,725	25,592	32,306
Once refined oil on hand end of month1,000 pounds	54,137	54,973	39,559	49,527

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	September 2019	October 2019	November 2019	December 2019
Canola				
Crush				
Seeds crushed..... tons	163,321	188,299	152,430	176,638
Crude oil produced..... 1,000 pounds	134,207	157,494	126,680	146,680
Cake and meal produced..... tons	91,758	104,798	85,255	98,585
Refine				
Crude oil processed in refining..... 1,000 pounds	124,663	126,656	99,526	108,757
Once refined oil produced..... 1,000 pounds	119,864	122,814	96,258	104,895
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	144,417	164,830	159,520	149,171
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	63,428	49,977	39,937	37,280
Once refined oil on hand end of month..... 1,000 pounds	94,502	96,591	101,435	93,469
Cottonseed				
Crush				
Seeds crushed..... tons	132,202	145,485	166,802	180,224
Crude oil produced..... 1,000 pounds	35,425	39,876	46,501	50,329
Cake and meal produced..... tons	56,536	67,942	83,584	81,474
Refine				
Crude oil processed in refining..... 1,000 pounds	42,085	44,145	42,460	53,311
Once refined oil produced..... 1,000 pounds	40,728	42,663	41,245	51,626
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	38,362	44,235	36,762	46,476
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	43,000	36,310	37,279	30,833
Crude oil on hand end of month..... 1,000 pounds	15,140	10,242	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	19,901	22,131	28,744	30,272
Coconut				
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	73,222	69,706	75,105	64,062
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	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	104,741	104,223	160,168	(D)
Corn				
Crush				
Crude oil produced..... 1,000 pounds	168,245	141,999	184,240	192,001
Refine				
Crude oil processed in refining..... 1,000 pounds	171,439	(D)	165,650	201,355
Once refined oil produced..... 1,000 pounds	166,320	(D)	160,858	195,936
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	167,055	(D)	166,129	178,613
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	45,397	25,942	29,096	42,071
Once refined oil on hand end of month..... 1,000 pounds	36,208	(D)	35,207	49,161

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: 2019 (continued)

Item	Total 2019
Canola	
Crush	
Seeds crushed..... tons	1,845,721
Crude oil produced 1,000 pounds	1,547,748
Cake and meal produced..... tons	1,041,720
Refine	
Crude oil processed in refining..... 1,000 pounds	1,340,674
Once refined oil produced..... 1,000 pounds	1,296,841
Consumption	
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	1,716,917
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	1,694,391
Crude oil produced 1,000 pounds	462,517
Cake and meal produced..... tons	771,104
Refine	
Crude oil processed in refining..... 1,000 pounds	512,791
Once refined oil produced..... 1,000 pounds	496,403
Consumption	
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)
Once refined oil removed for use in processing..... 1,000 pounds	513,000
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	857,412
Removed for edible use in processing 1,000 pounds	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)
Corn	
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	(D)
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: 2019 (continued)

Item	January 2019	February 2019	March 2019	April 2019
Palm kernel				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	24,336	23,452	21,234	22,799
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	64,755	65,708	62,244	65,501
Palm				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	193,109	186,593	200,024	196,263
Removed for edible use in processing..... 1,000 pounds	184,988	178,992	191,297	190,699
Removed for inedible use in processing..... 1,000 pounds	8,121	7,601	8,727	5,564
Stocks				
Once refined oil on hand end of month..... 1,000 pounds	306,703	359,902	291,345	307,723
Peanut				
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)	-	-	-
Once refined oil removed for use in processing..... 1,000 pounds	(D)	(D)	(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	35,872	31,624	25,386	19,909
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	(D)	(D)	(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	6,364	9,511	(D)	4,963
Once refined oil on hand end of month..... 1,000 pounds	1,478	1,310	1,847	1,776
Sunflower				
Refine				
Crude oil processed in refining..... 1,000 pounds	39,099	34,362	44,333	37,307
Once refined oil produced..... 1,000 pounds	37,705	32,847	40,885	34,939
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)	(D)	(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	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	28,973	49,325	24,484	23,739
Vegetable foots, raw and acidulated				
Refine				
Oil produced..... 1,000 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 month..... 1,000 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: 2019 (continued)

Item	May 2019	June 2019	July 2019	August 2019
Palm kernel				
Consumption				
Once refined oil removed for use in processing.....1,000 pounds	17,737	20,315	19,835	17,747
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 month1,000 pounds	67,759	71,366	75,927	75,589
Palm				
Consumption				
Once refined oil removed for use in processing.....1,000 pounds	202,290	167,464	155,179	195,158
Removed for edible use in processing1,000 pounds	193,587	158,385	145,855	185,091
Removed for inedible use in processing.....1,000 pounds	8,703	9,079	9,324	10,067
Stocks				
Once refined oil on hand end of month1,000 pounds	307,030	354,896	380,453	338,324
Peanut				
Refine				
Crude oil processed in refining.....1,000 pounds	27,786	20,388	23,249	33,112
Once refined oil produced.....1,000 pounds	26,228	18,754	21,671	31,783
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	25,071	17,217	25,691	32,079
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	22,402	20,750	23,625	22,955
Once refined oil on hand end of month1,000 pounds	(D)	(D)	(D)	(D)
Safflower				
Refine				
Crude oil processed in refining.....1,000 pounds	(D)	(D)	1,779	2,819
Once refined oil produced.....1,000 pounds	(D)	(D)	1,779	2,819
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)	(D)	(D)	4,971
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	10,081	5,569	11,259	9,391
Once refined oil on hand end of month1,000 pounds	1,037	1,455	2,076	(D)
Sunflower				
Refine				
Crude oil processed in refining.....1,000 pounds	34,935	42,279	(D)	42,341
Once refined oil produced.....1,000 pounds	33,229	40,315	32,250	39,898
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)	(D)	(D)	42,714
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)	28,465	43,191	32,010
Once refined oil on hand end of month1,000 pounds	18,857	23,054	18,086	25,967
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 month.....1,000 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: 2019 (continued)

Item	September 2019	October 2019	November 2019	December 2019
Palm kernel				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	19,961	26,320	18,990	17,705
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	73,298	73,522	69,665	78,386
Palm				
Consumption				
Once refined oil removed for use in processing..... 1,000 pounds	215,056	227,307	187,136	196,448
Removed for edible use in processing..... 1,000 pounds	204,457	221,623	181,093	190,304
Removed for inedible use in processing..... 1,000 pounds	10,599	5,684	6,043	6,144
Stocks				
Once refined oil on hand end of month..... 1,000 pounds	343,574	349,001	349,978	335,741
Peanut				
Refine				
Crude oil processed in refining..... 1,000 pounds	33,907	(D)	(D)	(D)
Once refined oil produced..... 1,000 pounds	32,342	(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	33,278	41,023	29,409	(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	17,986	13,690	10,489	11,513
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	3,029	6,119	5,239	3,077
Once refined oil produced..... 1,000 pounds	3,029	6,119	5,161	3,078
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	4,633	6,186	5,919	5,270
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	4,923	5,831	6,680	4,578
Once refined oil on hand end of month..... 1,000 pounds	(D)	2,549	2,391	1,914
Sunflower				
Refine				
Crude oil processed in refining..... 1,000 pounds	42,907	33,850	60,201	42,881
Once refined oil produced..... 1,000 pounds	40,298	32,512	56,939	40,824
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	34,462	34,865	40,678	38,546
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	19,478	25,571	27,089	27,095
Once refined oil on hand end of month..... 1,000 pounds	22,053	17,693	22,107	19,263
Vegetable foots, raw and acidulated				
Refine				
Oil produced..... 1,000 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 month..... 1,000 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: 2019 (continued)

Item	Total 2019
Palm kernel	
Consumption	
Once refined oil removed for use in processing.....	1,000 pounds 250,431
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 2,322,027
Removed for edible use in processing	1,000 pounds 2,226,371
Removed for inedible use in processing.....	1,000 pounds 95,656
Peanut	
Refine	
Crude oil processed in refining.....	1,000 pounds 297,040
Once refined oil produced.....	1,000 pounds 280,220
Consumption	
Crude oil removed for inedible use in processing.....	1,000 pounds (D)
Once refined oil removed for use in processing.....	1,000 pounds 295,282
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 35,927
Once refined oil produced.....	1,000 pounds 35,850
Consumption	
Crude oil removed for inedible use in processing.....	1,000 pounds (D)
Once refined oil removed for use in processing.....	1,000 pounds 50,868
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 (D)
Once refined oil produced.....	1,000 pounds 462,641
Consumption	
Crude oil removed for inedible use in processing.....	1,000 pounds (D)
Once refined oil removed for use in processing.....	1,000 pounds 422,163
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: 2019

Item	January 2019	February 2019	March 2019	April 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	111,538	128,757	121,016	105,546
Removed for inedible use.....	111,774	131,967	120,727	104,635
Stocks on hand end of month.....	10,066	7,744	7,892	9,013
Feather meal				
Production.....	103,733	102,221	109,491	103,032
Stocks on hand end of month.....	23,744	25,950	26,705	23,632
Lard				
Production.....	27,411	32,447	28,321	28,653
Removed for use in processing.....	26,208	31,001	27,810	26,235
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.....	13,951	13,901	14,826	16,596
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	444,106	543,565	522,255	489,259
Stocks on hand end of month.....	68,195	65,523	61,632	55,399
Other grease				
Production.....	28,590	43,621	44,450	41,035
Removed for inedible use in processing.....	27,296	57,485	44,044	42,289
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	207,154	202,929	200,261	186,282
Removed for inedible use in processing.....	210,203	204,552	197,498	187,347
Stocks on hand end of month.....	23,720	21,900	24,430	23,190
Poultry by-product meals				
Production.....	270,459	294,781	252,424	261,761
Stocks on hand end of month.....	49,966	54,615	50,973	30,368
Tallow, edible				
Production.....	67,184	91,754	85,957	85,549
Removed for use in processing.....	68,894	93,032	89,071	87,403
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.....	31,498	20,480	23,240	15,155
Tallow, inedible				
Production.....	320,826	333,574	335,972	306,534
Removed for inedible use in processing.....	314,944	348,090	352,174	301,175
Stocks on hand end of month.....	111,568	98,695	82,006	85,965
Tallow, technical				
Production.....	111,519	119,829	96,061	103,568
Removed for inedible use in processing.....	124,691	129,290	104,024	113,452
Stocks on hand end of month.....	12,405	11,381	9,741	(D)
Yellow grease				
Production.....	173,406	206,658	197,538	183,244
Removed for inedible use in processing.....	164,632	203,453	215,060	172,944
Stocks on hand end of month.....	101,894	103,650	88,300	97,240

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2019 (continued)

Item	May 2019	June 2019	July 2019	August 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production	114,886	110,237	93,335	107,277
Removed for inedible use	118,664	109,944	93,752	105,231
Stocks on hand end of month	5,178	5,296	4,704	6,610
Feather meal				
Production	123,203	116,046	108,205	113,157
Stocks on hand end of month	24,779	32,179	28,200	29,091
Lard				
Production	30,821	28,968	23,645	30,142
Removed for use in processing.....	31,519	27,602	23,144	29,593
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	16,262	17,337	17,653	18,726
Meat meal, meat and bone meal, and dry rendered tankage				
Production	511,622	487,970	449,593	519,331
Stocks on hand end of month	61,151	55,152	56,271	69,101
Other grease				
Production	40,561	40,092	33,857	43,114
Removed for inedible use in processing.....	39,101	37,276	35,095	39,233
Stocks on hand end of month	(D)	(D)	(D)	(D)
Poultry fats				
Production	219,260	215,804	207,494	233,381
Removed for inedible use in processing.....	214,499	214,760	208,663	229,882
Stocks on hand end of month	26,531	27,685	26,600	30,156
Poultry by-product meals				
Production	307,345	292,242	273,933	293,603
Stocks on hand end of month	34,563	28,736	39,613	39,936
Tallow, edible				
Production	86,181	87,709	80,830	87,170
Removed for use in processing.....	88,056	81,476	85,045	95,539
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	14,346	20,272	18,299	16,329
Tallow, inedible				
Production	334,671	340,145	310,193	314,554
Removed for inedible use in processing.....	343,874	329,205	304,910	315,257
Stocks on hand end of month	76,672	84,850	90,339	89,548
Tallow, technical				
Production	113,450	81,968	89,509	118,603
Removed for inedible use in processing.....	122,632	94,508	97,182	129,950
Stocks on hand end of month	(D)	(D)	(D)	(D)
Yellow grease				
Production	187,131	193,072	177,868	185,547
Removed for inedible use in processing.....	185,842	192,600	185,451	178,051
Stocks on hand end of month	98,359	97,104	87,709	94,497

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2019 (continued)

Item	September 2019	October 2019	November 2019	December 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	106,205	114,003	121,381	112,592
Removed for inedible use.....	105,495	114,390	119,349	111,265
Stocks on hand end of month.....	7,170	6,564	8,412	9,738
Feather meal				
Production.....	99,985	102,181	108,150	135,567
Stocks on hand end of month.....	24,864	28,890	31,085	29,940
Lard				
Production.....	25,735	26,027	35,471	30,755
Removed for use in processing.....	25,484	25,995	39,556	31,377
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.....	16,442	13,481	6,936	5,938
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	485,260	479,991	503,574	503,602
Stocks on hand end of month.....	65,793	73,653	81,020	64,960
Other grease				
Production.....	32,949	36,366	36,231	40,780
Removed for inedible use in processing.....	32,647	39,188	37,306	40,866
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	212,829	210,770	214,436	189,183
Removed for inedible use in processing.....	214,586	213,331	216,413	182,201
Stocks on hand end of month.....	28,511	26,255	24,463	31,499
Poultry by-product meals				
Production.....	282,934	284,748	334,032	265,867
Stocks on hand end of month.....	36,148	49,894	37,038	43,156
Tallow, edible				
Production.....	72,593	74,146	90,273	87,347
Removed for use in processing.....	78,265	79,461	103,440	81,301
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.....	16,960	19,586	10,578	17,847
Tallow, inedible				
Production.....	299,506	294,442	340,603	318,050
Removed for inedible use in processing.....	291,256	289,695	338,884	322,435
Stocks on hand end of month.....	97,593	103,587	105,168	100,782
Tallow, technical				
Production.....	94,926	102,806	118,257	104,855
Removed for inedible use in processing.....	104,176	109,745	125,901	111,050
Stocks on hand end of month.....	8,152	8,677	(D)	(D)
Yellow grease				
Production.....	188,992	179,761	164,352	184,020
Removed for inedible use in processing.....	182,653	171,548	178,363	186,691
Stocks on hand end of month.....	100,865	109,292	93,289	90,620

See footnote(s) at end of table.

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Animal Fats and Oils Production, Consumption and Stocks – United States: 2019 (continued)

Item	Total 2019 (1,000 pounds)
Choice white grease	
Production	1,346,773
Removed for inedible use	1,347,193
Feather meal	
Production	1,324,971
Lard	
Production	348,396
Removed for use in processing.....	345,524
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	5,940,128
Other grease	
Production	461,646
Removed for inedible use in processing.....	471,826
Poultry fats	
Production	2,499,783
Removed for inedible use in processing.....	2,493,935
Poultry by-product meals	
Production	3,414,129
Tallow, edible	
Production	996,693
Removed for use in processing.....	1,030,983
Removed for edible use in processing	(D)
Removed for inedible use in processing.....	(D)
Tallow, inedible	
Production	3,849,070
Removed for inedible use in processing.....	3,851,899
Tallow, technical	
Production	1,255,351
Removed for inedible use in processing.....	1,366,601
Yellow grease	
Production	2,221,589
Removed for inedible use in processing.....	2,217,288

(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@nass.usda.gov.

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Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-9526
James Johanson – County Estimates, Hay	(202) 690-8533
Jeff Lemmons – Oats, Soybeans.....	(202) 690-3234
Irwin Anolik – Crop Weather	(202) 720-7621
Chris Hawthorn – Peanuts, Rice.....	(202) 720-7688
Jean Porter – Rye, Wheat.....	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Barley, 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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