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Dairy Products 2016 Summary

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Summary

Total cheese production, excluding cottage cheeses, was 12.2 billion pounds, 2.8 percent above 2015 production. Wisconsin was the leading State with 26.6 percent of the production.

Italian varieties, with 5.29 billion pounds were 4.1 percent above 2015 production and accounted for 43.5 percent of total cheese in 2016. Mozzarella accounted for 77.7 percent of the Italian production followed by Provolone with 7.6 percent and Parmesan with 7.6 percent. Wisconsin was the leading State in Italian cheese production with 30.8 percent of the production.

American type cheese production was 4.76 billion pounds, 1.3 percent above 2015 and accounted for 39.1 percent of total cheese in 2016. Wisconsin was the leading State in American type cheese production with 20.1 percent of the production.

Butter production in the United States during 2016 totaled 1.84 billion pounds, 0.6 percent below 2015. California accounted for 30.6 percent of the production.

Dry milk powders (2016 United States production, comparisons with 2015)

Nonfat dry milk, human - 1.75 billion pounds, down 3.8 percent.

Skim milk powders - 559 million pounds, up 25.3 percent.

Whey products (2016 United States production, comparisons with 2015)

Dry whey, total - 955 million pounds, down 2.3 percent.

Lactose, human and animal - 1.10 billion pounds, up 4.7 percent.

Whey protein concentrate, total - 468 million pounds, down 5.1 percent.

Frozen products (2016 United States production, comparisons with 2015)

Ice cream, Regular (total) - 919 million gallons, up 2.4 percent.

Ice cream, Lowfat (total) - 435 million gallons, down 0.8 percent.

Sherbet (total) - 41.2 million gallons, down 7.9 percent.

Frozen Yogurt (total) - 66.9 million gallons, down 9.8 percent.

Dairy Products Production by Product and Month – United States: 2015

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	83	173,634	155,976	167,816	165,457
Cheese					
American types	242	402,222	357,376	395,823	396,691
Cheddar	226	296,767	262,602	287,042	287,350
Other American ¹	148	105,455	94,774	108,781	109,341
Blue and Gorgonzola	47	7,402	7,730	8,198	7,777
Brick	21	224	207	239	256
Cream and Neufchatel	34	64,490	59,747	71,231	61,357
Feta	46	8,706	8,227	9,871	11,258
Gouda	69	4,671	6,306	6,473	4,968
Hispanic	62	20,976	19,761	23,127	20,881
Italian types	214	433,087	389,962	441,855	420,852
Mozzarella	136	341,183	305,421	344,459	330,958
Parmesan	41	30,754	27,711	30,742	28,762
Provolone	35	30,169	28,261	31,522	31,975
Ricotta	59	20,273	17,646	23,689	17,440
Romano	27	4,857	4,770	3,937	4,801
Other Italian types	48	5,851	6,153	7,506	6,916
Muenster	38	15,160	12,853	14,509	14,663
Swiss	57	24,427	23,571	26,662	26,616
All other types	206	12,686	10,978	14,970	11,976
Total cheese ²	542	994,051	896,718	1,012,958	977,295
Cottage cheese, curd ³	55	31,334	31,903	34,171	33,099
Cottage cheese, creamed ⁴	55	24,103	25,188	26,991	25,811
Cottage cheese, lowfat ⁵	54	28,993	28,913	32,157	29,848
Sour cream	108	109,701	96,386	110,972	103,654
Yogurt, plain and flavored	152	372,687	420,942	435,314	385,454

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	169,409	143,692	135,525	128,072	133,652
Cheese					
American types	407,667	390,447	397,235	394,943	379,550
Cheddar	296,447	287,956	286,435	279,379	271,551
Other American ¹	111,220	102,491	110,800	115,564	107,999
Blue and Gorgonzola	7,929	7,933	7,930	7,729	8,208
Brick	286	286	590	310	289
Cream and Neufchatel	61,071	68,551	74,875	82,070	83,438
Feta	10,222	9,785	10,512	9,277	9,237
Gouda	4,394	2,570	3,686	5,231	5,219
Hispanic	21,019	20,869	20,587	20,796	22,084
Italian types	419,504	422,133	429,399	403,150	402,466
Mozzarella	333,451	331,196	338,554	316,045	316,408
Parmesan	28,369	29,611	29,656	25,168	23,607
Provolone	31,620	31,796	32,427	32,387	32,591
Ricotta	15,215	17,914	17,789	19,500	20,722
Romano	4,368	5,319	5,287	3,920	3,578
Other Italian types	6,481	6,297	5,686	6,130	5,560
Muenster	16,028	13,865	16,656	14,353	13,012
Swiss	27,387	25,619	26,802	26,152	25,278
All other types	12,737	14,036	13,720	15,005	16,721
Total cheese ²	988,244	976,094	1,001,992	979,016	965,502
Cottage cheese, curd ³	33,498	34,206	35,767	35,753	34,670
Cottage cheese, creamed ⁴	26,284	27,179	28,791	27,810	27,369
Cottage cheese, lowfat ⁵	29,919	32,113	31,483	31,377	31,918
Sour cream	104,424	110,833	105,239	107,407	108,576
Yogurt, plain and flavored	397,051	390,556	382,686	385,322	421,638

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2015 (continued)

Products	October	November	December	Total	2015 as percent of 2014
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	148,414	152,323	175,549	1,849,519	-0.3
Cheese					
American types	392,592	380,004	399,921	4,694,471	2.3
Cheddar	278,915	265,947	292,720	3,393,111	2.3
Other American ¹	113,677	114,057	107,201	1,301,360	2.4
Blue and Gorgonzola	7,751	7,843	8,059	94,489	1.8
Brick	211	295	256	3,449	17.2
Cream and Neufchatel	96,108	81,217	72,131	876,286	2.9
Feta	9,095	7,563	8,671	112,424	6.4
Gouda	4,525	5,740	4,581	58,364	4.4
Hispanic	21,595	21,152	21,444	254,291	1.9
Italian types	428,460	426,849	464,109	5,081,826	2.7
Mozzarella	332,824	335,210	363,227	3,988,936	1.6
Parmesan	27,644	25,501	31,478	339,003	12.3
Provolone	32,875	31,175	32,518	379,316	5.0
Ricotta	24,234	24,100	24,942	243,464	-0.7
Romano	4,137	4,551	5,509	55,034	22.2
Other Italian types	6,746	6,312	6,435	76,073	5.6
Muenster	16,456	15,756	14,229	177,540	8.5
Swiss	26,529	25,150	27,822	312,015	4.8
All other types	14,709	14,852	13,850	166,240	(X)
Total cheese ²	1,018,031	986,421	1,035,073	11,831,395	2.8
Cottage cheese, curd ³	33,065	30,026	33,142	400,634	5.1
Cottage cheese, creamed ⁴	27,130	24,212	26,663	317,531	4.8
Cottage cheese, lowfat ⁵	29,543	26,652	30,088	363,004	-0.4
Sour cream	121,581	126,165	120,691	1,325,629	1.7
Yogurt, plain and flavored	371,200	334,443	348,301	4,645,594	-2.3

(X) Not applicable.

¹ Includes Colby, Monterey, and Jack.

² Excluding cottage cheese.

³ Mostly used for processing into creamed or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

Dairy Products Production by Product and Month – United States: 2016

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	86	170,735	168,263	174,907	171,199
Cheese					
American types	242	401,810	367,399	401,665	398,307
Cheddar	227	297,072	257,987	286,220	299,780
Other American ¹	148	104,738	109,412	115,445	98,527
Blue and Gorgonzola	48	6,995	7,290	8,046	7,010
Brick	19	194	201	306	222
Cream and Neufchatel	32	72,324	69,991	66,939	70,298
Feta	44	11,899	9,157	11,184	11,086
Gouda	66	4,302	4,727	5,684	3,759
Hispanic	59	20,555	22,023	22,819	21,481
Italian types	200	450,991	416,850	458,613	438,588
Mozzarella	126	352,402	325,516	358,031	340,164
Parmesan	44	33,820	31,383	33,371	35,973
Provolone	38	32,849	29,130	33,162	33,729
Ricotta	55	22,197	20,762	23,758	18,221
Romano	25	3,626	4,341	4,428	4,971
Other Italian types	49	6,097	5,718	5,863	5,530
Muenster	37	14,703	14,025	13,768	15,732
Swiss	57	27,434	24,429	26,020	24,257
All other types	210	13,359	12,648	13,264	11,575
Total cheese ²	544	1,024,566	948,740	1,028,308	1,002,315
Cottage cheese, curd ³	52	32,489	33,018	36,339	33,039
Cottage cheese, creamed ⁴	54	25,636	26,945	29,154	27,052
Cottage cheese, lowfat ⁵	53	30,270	30,311	34,486	30,326
Sour cream	114	106,503	106,171	115,470	100,460
Yogurt, plain and flavored	155	379,223	376,949	400,584	373,054

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	166,017	147,696	135,160	123,514	135,273
Cheese					
American types	402,266	392,168	401,061	392,532	378,004
Cheddar	292,636	280,376	284,173	281,287	270,531
Other American ¹	109,630	111,792	116,888	111,245	107,473
Blue and Gorgonzola	8,685	8,082	7,283	8,194	6,980
Brick	197	225	237	352	219
Cream and Neufchatel	61,733	71,635	71,858	84,944	78,673
Feta	10,930	10,206	10,157	11,042	10,490
Gouda	6,346	2,027	4,047	5,546	5,911
Hispanic	20,902	22,735	21,907	22,716	22,918
Italian types	444,995	435,342	444,306	425,216	429,204
Mozzarella	346,457	338,997	348,321	328,240	333,318
Parmesan	35,073	34,343	36,334	32,038	29,196
Provolone	34,445	34,196	33,787	34,094	33,919
Ricotta	18,203	17,454	15,915	21,994	22,289
Romano	4,407	4,462	4,452	3,910	4,017
Other Italian types	6,410	5,890	5,497	4,940	6,465
Muenster	16,055	14,828	16,153	14,812	14,940
Swiss	26,336	27,140	27,002	25,403	25,034
All other types	12,979	13,140	13,081	14,150	14,883
Total cheese ²	1,011,424	997,528	1,017,092	1,004,907	987,256
Cottage cheese, curd ³	35,043	33,896	33,004	35,510	39,669
Cottage cheese, creamed ⁴	28,946	28,335	27,163	29,684	27,782
Cottage cheese, lowfat ⁵	32,490	30,751	30,359	32,260	30,566
Sour cream	113,737	117,910	103,526	114,546	108,619
Yogurt, plain and flavored	364,164	378,544	341,666	399,394	411,003

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 (continued)

Products	October	November	December	Total	2016 as percent of 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	139,849	143,077	163,443	1,839,133	-0.6
Cheese					
American types	401,681	398,690	420,617	4,756,200	1.3
Cheddar	282,640	284,679	307,338	3,424,719	0.9
Other American ¹	119,041	114,011	113,279	1,331,481	2.3
Blue and Gorgonzola	7,493	7,704	7,110	90,872	-3.8
Brick	242	222	232	2,849	-17.4
Cream and Neufchatel	93,187	86,073	81,305	908,960	3.7
Feta	11,576	10,478	8,409	126,614	12.6
Gouda	6,634	5,404	3,905	58,292	-0.1
Hispanic	22,868	22,724	22,606	266,254	4.7
Italian types	447,342	438,866	462,330	5,292,643	4.1
Mozzarella	344,711	339,289	358,327	4,113,773	3.1
Parmesan	31,793	30,718	35,706	399,748	17.9
Provolone	35,058	33,812	33,232	401,413	5.8
Ricotta	24,251	23,889	23,342	252,275	3.6
Romano	4,844	4,565	4,413	52,436	-4.7
Other Italian types	6,685	6,593	7,310	72,998	-4.0
Muenster	16,716	15,411	14,198	181,341	2.1
Swiss	26,016	25,883	27,023	311,977	-
All other types	14,364	14,473	13,779	161,695	(X)
Total cheese ²	1,048,119	1,025,928	1,061,514	12,157,697	2.8
Cottage cheese, curd ³	32,558	30,965	30,897	406,427	1.4
Cottage cheese, creamed ⁴	26,901	26,041	25,805	329,444	3.8
Cottage cheese, lowfat ⁵	29,954	28,456	27,586	367,815	1.3
Sour cream	123,458	133,291	129,367	1,373,058	3.6
Yogurt, plain and flavored	361,120	310,983	359,135	4,455,819	-4.1

-Represents zero.

(X)Not applicable.

¹ Includes Colby, Monterey, and Jack.

² Excluding cottage cheese.

³ Mostly used for processing into creamed or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

Ice Cream Production by Product and Month – United States: 2015

Products	Plants	January	February	March	April
	(number)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	(NA)	65,475	68,649	82,331	79,807
Ice cream, regular, hard	406	57,146	59,915	71,944	68,966
Ice cream, lowfat, total ¹	(NA)	30,422	32,283	38,429	40,473
Ice cream, lowfat, hard	129	15,869	16,278	19,580	20,503
Ice cream, lowfat, soft	(NA)	14,553	16,005	18,849	19,970
Ice cream, nonfat, total	(NA)	1,127	1,222	1,684	1,243
Ice cream, nonfat, hard	45	622	702	837	765
Sherbet, total	(NA)	3,382	3,644	4,321	3,936
Sherbet, hard	151	2,982	3,224	3,873	3,527
Yogurt, total	(NA)	5,354	5,976	6,617	7,630
Yogurt, regular and lowfat, hard	100	1,579	2,007	2,095	2,465
Yogurt, nonfat, hard	49	519	553	778	766
Other frozen dairy products ²	68	1,035	1,072	1,173	1,333
Water and juice ices ²	126	4,002	5,204	7,122	7,021
Mix for frozen products					
Ice cream, regular, mix	273	33,798	35,970	42,597	42,524
Ice cream, lowfat, mix ³	177	15,919	17,060	22,731	23,125
Ice cream, nonfat, mix	49	579	662	926	665
Sherbet mix	119	2,046	2,111	2,602	2,341
Yogurt mix	106	3,132	3,429	3,733	4,356

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2015 (continued)

Products	May	June	July	August	September
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	76,865	85,151	83,988	83,356	75,158
Ice cream, regular, hard	65,730	72,674	72,497	69,632	65,485
Ice cream, lowfat, total ¹	40,067	46,059	43,039	43,451	36,576
Ice cream, lowfat, hard	19,953	23,720	21,408	22,093	18,733
Ice cream, lowfat, soft	20,114	22,339	21,631	21,358	17,843
Ice cream, nonfat, total	1,171	1,171	1,259	1,057	1,023
Ice cream, nonfat, hard	680	673	741	546	560
Sherbet, total	4,270	4,379	4,287	4,017	3,841
Sherbet, hard	3,743	3,876	3,769	3,554	3,407
Yogurt, total	6,249	7,536	7,171	6,319	5,968
Yogurt, regular and lowfat, hard	2,047	2,734	2,490	2,160	1,908
Yogurt, nonfat, hard	610	692	587	426	710
Other frozen dairy products ²	1,567	1,392	1,167	1,320	1,211
Water and juice ices ²	7,207	7,741	7,366	6,597	5,880
Mix for frozen products					
Ice cream, regular, mix	40,424	44,553	44,890	42,191	38,819
Ice cream, lowfat, mix ³	23,739	26,888	25,676	24,629	20,051
Ice cream, nonfat, mix	630	671	723	580	601
Sherbet mix	2,511	2,627	2,602	2,450	2,197
Yogurt mix	3,594	4,161	4,149	3,752	3,423

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2015 (continued)

Products	October	November	December	Total	2015 as percent of 2014
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	72,466	62,744	60,698	896,688	3.6
Ice cream, regular, hard	63,399	54,998	52,826	775,212	1.1
Ice cream, lowfat, total ¹	32,920	27,531	27,741	438,991	6.6
Ice cream, lowfat, hard	16,824	13,560	14,059	222,580	8.1
Ice cream, lowfat, soft	16,096	13,971	13,682	216,411	5.2
Ice cream, nonfat, total	1,013	821	784	13,575	-25.8
Ice cream, nonfat, hard	582	386	343	7,437	-20.8
Sherbet, total	3,366	2,896	2,404	44,743	-7.5
Sherbet, hard	2,927	2,535	2,080	39,497	-3.5
Yogurt, total	6,187	4,913	4,309	74,229	11.7
Yogurt, regular and lowfat, hard	1,916	1,563	1,319	24,283	-1.1
Yogurt, nonfat, hard	566	425	293	6,925	2.5
Other frozen dairy products ²	1,234	1,015	661	14,180	9.8
Water and juice ices ²	5,422	3,915	3,231	70,708	5.8
Mix for frozen products					
Ice cream, regular, mix	36,730	31,562	30,554	464,612	3.2
Ice cream, lowfat, mix ³	16,725	13,992	13,917	244,452	2.2
Ice cream, nonfat, mix	583	483	455	7,558	16.7
Sherbet mix	2,026	1,651	1,364	26,528	-1.3
Yogurt mix	3,687	2,860	2,700	42,976	13.8

(NA) Not available.

¹ Includes freezer-made milkshake.

² Plant count does not include counter-freezers.

³ Includes milkshake mix.

Ice Cream Production by Product and Month – United States: 2016

Products	Plants	January	February	March	April
	(number)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	(NA)	68,652	71,432	84,628	84,942
Ice cream, regular, hard	403	59,344	61,786	72,870	73,116
Ice cream, lowfat, total ¹	(NA)	29,641	32,454	40,693	40,257
Ice cream, lowfat, hard	120	15,462	15,023	19,093	19,336
Ice cream, lowfat, soft	(NA)	14,179	17,431	21,600	20,921
Ice cream, nonfat, total	(NA)	932	922	1,288	1,244
Ice cream, nonfat, hard	44	512	525	612	788
Sherbet, total	(NA)	2,786	3,583	4,179	4,128
Sherbet, hard	148	2,443	3,196	3,724	3,694
Yogurt, total	(NA)	5,065	5,802	7,204	6,279
Yogurt, regular and lowfat, hard	94	1,549	1,708	2,254	1,738
Yogurt, nonfat, hard	48	599	574	692	816
Other frozen dairy products ²	58	815	925	1,219	1,201
Water and juice ices ²	119	3,836	4,755	6,044	6,272
Mix for frozen products					
Ice cream, regular, mix	268	35,344	35,949	43,014	43,419
Ice cream, lowfat, mix ³	168	14,210	17,596	22,974	21,813
Ice cream, nonfat, mix	46	511	545	735	679
Sherbet mix	112	1,685	2,176	2,570	2,512
Yogurt mix	104	3,015	3,488	4,225	3,626

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2016 (continued)

Products	May	June	July	August	September
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	85,122	90,453	84,720	85,799	74,369
Ice cream, regular, hard	72,760	77,004	71,837	73,038	63,570
Ice cream, lowfat, total ¹	40,406	43,003	41,076	43,730	35,310
Ice cream, lowfat, hard	18,314	19,131	18,591	20,060	16,961
Ice cream, lowfat, soft	22,092	23,872	22,485	23,670	18,349
Ice cream, nonfat, total	1,242	1,196	969	1,053	921
Ice cream, nonfat, hard	841	761	529	635	502
Sherbet, total	3,964	4,141	3,553	3,526	3,784
Sherbet, hard	3,545	3,672	3,136	3,109	3,368
Yogurt, total	6,321	6,404	5,676	5,675	5,074
Yogurt, regular and lowfat, hard	2,302	2,080	2,016	2,109	1,527
Yogurt, nonfat, hard	538	643	590	523	577
Other frozen dairy products ²	1,330	1,237	899	1,072	1,071
Water and juice ices ²	6,372	7,511	6,306	5,999	5,244
Mix for frozen products					
Ice cream, regular, mix	44,447	47,050	45,236	45,435	37,907
Ice cream, lowfat, mix ³	22,130	24,507	23,368	25,131	18,846
Ice cream, nonfat, mix	632	644	522	594	549
Sherbet mix	2,308	2,490	2,106	2,081	2,297
Yogurt mix	3,689	3,745	3,291	3,321	3,006

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2016 (continued)

Products	October	November	December	Total	2016 as percent of 2015
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	69,940	60,731	57,855	918,643	2.4
Ice cream, regular, hard	59,850	51,941	49,731	786,847	1.5
Ice cream, lowfat, total ¹	32,352	28,279	28,118	435,319	-0.8
Ice cream, lowfat, hard	15,268	12,917	13,061	203,217	-8.7
Ice cream, lowfat, soft	17,084	15,362	15,057	232,102	7.3
Ice cream, nonfat, total	969	975	939	12,650	-6.8
Ice cream, nonfat, hard	568	554	534	7,361	-1.0
Sherbet, total	2,905	2,222	2,456	41,227	-7.9
Sherbet, hard	2,584	1,939	2,154	36,564	-7.4
Yogurt, total	4,550	4,238	4,638	66,926	-9.8
Yogurt, regular and lowfat, hard	1,438	1,666	1,643	22,030	-9.3
Yogurt, nonfat, hard	489	455	295	6,791	-1.9
Other frozen dairy products ²	1,075	748	588	12,180	-14.1
Water and juice ices ²	4,678	4,499	3,133	64,649	-8.6
Mix for frozen products					
Ice cream, regular, mix	36,145	31,809	28,773	474,528	2.1
Ice cream, lowfat, mix ³	17,194	15,355	14,418	237,542	-2.8
Ice cream, nonfat, mix	564	536	485	6,996	-7.4
Sherbet mix	1,718	1,315	1,465	24,723	-6.8
Yogurt mix	2,683	2,352	2,809	39,250	-8.7

(NA) Not available.

¹ Includes freezer-made milkshake.

² Plant count does not include counter-freezers.

³ Includes milkshake mix.

Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2015

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	12	9,158	9,192	10,244	10,366
Dry whey products					
Dry whey, human	30	74,442	75,253	84,990	74,941
Dry whey, animal	21	900	1,377	1,419	1,571
Dry whey, total	(NA)	75,342	76,630	86,409	76,512
Reduced lactose and minerals					
Human	3	3,135	2,365	3,315	2,489
Animal	5	4,693	3,111	2,467	2,958
Whey protein concentrate					
Human ²	45	43,744	38,024	41,782	41,981
Animal ²	19	317	341	452	394
Total ²	(NA)	44,061	38,365	42,234	42,375
25.0-49.9 percent ³	23	20,435	16,910	18,877	19,871
50.0-89.9 percent ³	34	23,626	21,455	23,357	22,504
Whey protein isolates ⁴	18	6,653	7,256	9,142	7,947
Lactose, human and animal	30	90,148	80,505	92,896	89,274
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	64,668	64,460	67,826	70,250
Dry whey, animal	(NA)	834	811	661	702
Dry whey, total	(NA)	65,502	65,271	68,487	70,952
Reduced lactose and minerals					
Human and animal ⁶	(NA)	10,292	9,969	9,656	9,462
Whey protein concentrate					
Human ²	(NA)	68,139	68,225	71,653	73,443
Animal ²	(NA)	1,053	881	1,127	990
Total ²	(NA)	69,192	69,106	72,780	74,433
25.0-49.9 percent ³	(NA)	32,763	31,703	32,440	32,014
50.0-89.9 percent ³	(NA)	36,429	37,403	40,340	42,419
Whey protein isolates ⁴	(NA)	12,335	11,660	12,468	11,195
Lactose, human and animal	(NA)	128,824	133,423	135,143	133,073
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	47.4	57.6	48.3	48.0

See footnote(s) at end of table.

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**Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States:
2015 (continued)**

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	11,915	10,860	10,119	10,885	10,228
Dry whey products					
Dry whey, human	79,384	84,186	80,258	82,566	77,327
Dry whey, animal	1,394	1,320	967	1,019	1,496
Dry whey, total	80,778	85,506	81,225	83,585	78,823
Reduced lactose and minerals					
Human	3,586	2,701	2,885	2,724	2,938
Animal	2,474	2,537	3,099	2,406	2,565
Whey protein concentrate					
Human ²	43,370	38,093	41,435	38,876	37,239
Animal ²	442	1,214	301	504	235
Total ²	43,812	39,307	41,736	39,380	37,474
25.0-49.9 percent ³	20,218	20,125	18,870	17,419	16,432
50.0-89.9 percent ³	23,594	19,182	22,866	21,961	21,042
Whey protein isolates ⁴	8,636	8,586	8,423	9,303	8,768
Lactose, human and animal	87,054	90,187	90,346	86,506	85,121
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	70,044	74,561	75,170	77,935	65,918
Dry whey, animal	2,124	2,129	2,468	2,687	3,132
Dry whey, total	72,168	76,690	77,638	80,622	69,050
Reduced lactose and minerals					
Human and animal ⁶	10,310	9,284	9,669	10,030	9,773
Whey protein concentrate					
Human ²	75,847	80,153	81,612	82,670	81,179
Animal ²	1,625	1,495	1,123	698	809
Total ²	77,472	81,648	82,735	83,368	81,988
25.0-49.9 percent ³	32,758	34,773	36,484	36,302	34,443
50.0-89.9 percent ³	44,714	46,875	46,251	47,066	47,545
Whey protein isolates ⁴	12,996	13,128	12,328	13,874	13,855
Lactose, human and animal	126,351	128,651	127,111	125,323	115,183
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	30.3	45.4	34.9	19.0	14.9

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2015 (continued)

Products	October	November	December	Total	2015 as percent of 2014
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	10,179	9,076	9,670	121,892	31.8
Dry whey products					
Dry whey, human	73,902	81,212	92,434	960,895	12.3
Dry whey, animal	1,674	1,747	1,789	16,673	21.5
Dry whey, total	75,576	82,959	94,223	977,568	12.4
Reduced lactose and minerals					
Human	2,814	2,778	2,824	34,554	25.4
Animal	3,125	2,550	2,646	34,631	-47.4
Whey protein concentrate					
Human ²	41,047	39,924	42,566	488,081	-8.4
Animal ²	255	213	200	4,868	-31.0
Total ²	41,302	40,137	42,766	492,949	-8.7
25.0-49.9 percent ³	16,881	16,110	17,587	219,735	-22.4
50.0-89.9 percent ³	24,421	24,027	25,179	273,214	6.3
Whey protein isolates ⁴	8,605	8,735	9,168	101,222	24.5
Lactose, human and animal	83,290	82,477	91,172	1,048,976	-7.4
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	60,423	61,518	70,577	(X)	(X)
Dry whey, animal	2,345	2,260	2,152	(X)	(X)
Dry whey, total	62,768	63,778	72,729	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	9,589	8,174	6,785	(X)	(X)
Whey protein concentrate					
Human ²	73,082	71,481	72,199	(X)	(X)
Animal ²	1,226	1,022	838	(X)	(X)
Total ²	74,308	72,503	73,037	(X)	(X)
25.0-49.9 percent ³	26,731	24,534	26,544	(X)	(X)
50.0-89.9 percent ³	47,577	47,969	46,493	(X)	(X)
Whey protein isolates ⁴	15,199	15,340	16,252	(X)	(X)
Lactose, human and animal	105,109	101,863	103,145	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	14.1	14.5	13.4	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ Prices for bulk goods, FOB plant. Average monthly prices reported by firms.

Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2016

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	12	9,582	9,802	11,980	11,224
Dry whey products					
Dry whey, human	30	80,072	73,806	81,065	80,327
Dry whey, animal	21	2,846	1,729	1,591	1,490
Dry whey, total	(NA)	82,918	75,535	82,656	81,817
Reduced lactose and minerals					
Human	3	3,000	2,621	2,653	2,827
Animal	3	2,976	2,339	2,623	2,975
Whey protein concentrate					
Human ²	47	42,415	39,592	41,635	38,642
Animal ²	19	187	188	216	388
Total ²	(NA)	42,602	39,780	41,851	39,030
25.0-49.9 percent ³	22	15,816	15,492	15,989	14,261
50.0-89.9 percent ³	35	26,786	24,288	25,862	24,769
Whey protein isolates ⁴	17	8,838	8,129	9,001	8,667
Lactose, human and animal	30	88,943	83,703	92,796	91,527
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	78,774	75,282	74,174	82,881
Dry whey, animal	(NA)	2,028	1,616	1,438	1,574
Dry whey, total	(NA)	80,802	76,898	75,612	84,455
Reduced lactose and minerals					
Human and animal ⁶	(NA)	7,351	7,560	7,875	7,439
Whey protein concentrate					
Human ²	(NA)	74,430	73,849	71,490	70,417
Animal ²	(NA)	1,319	651	732	661
Total ²	(NA)	75,749	74,500	72,222	71,078
25.0-49.9 percent ³	(NA)	29,613	29,305	29,250	27,950
50.0-89.9 percent ³	(NA)	46,136	45,195	42,972	43,128
Whey protein isolates ⁴	(NA)	16,925	16,962	17,875	18,053
Lactose, human and animal	(NA)	123,742	123,006	128,442	126,431
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	15.1	13.8	14.9	14.6

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2016 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	11,257	10,736	12,057	10,920	10,300
Dry whey products					
Dry whey, human	80,930	78,132	79,728	74,512	74,461
Dry whey, animal	1,456	1,619	2,224	2,497	1,056
Dry whey, total	82,386	79,751	81,952	77,009	75,517
Reduced lactose and minerals					
Human	2,848	2,465	1,935	2,705	2,671
Animal	2,485	2,384	2,743	2,324	2,634
Whey protein concentrate					
Human ²	39,043	37,793	38,165	35,460	35,998
Animal ²	306	243	272	205	747
Total ²	39,349	38,036	38,437	35,665	36,745
25.0-49.9 percent ³	14,819	15,164	14,746	12,964	13,298
50.0-89.9 percent ³	24,530	22,872	23,691	22,701	23,447
Whey protein isolates ⁴	8,578	8,582	8,988	8,415	10,709
Lactose, human and animal	93,097	93,713	97,841	92,635	94,882
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	86,589	72,960	69,282	57,589	50,608
Dry whey, animal	1,368	1,454	1,479	1,176	1,065
Dry whey, total	87,957	74,414	70,761	58,765	51,673
Reduced lactose and minerals					
Human and animal ⁶	8,008	7,673	7,242	7,615	7,801
Whey protein concentrate					
Human ²	66,995	64,497	60,728	63,244	57,566
Animal ²	596	468	610	452	771
Total ²	67,591	64,965	61,338	63,696	58,337
25.0-49.9 percent ³	25,058	25,417	25,176	23,869	20,672
50.0-89.9 percent ³	42,533	39,548	36,162	39,827	37,665
Whey protein isolates ⁴	17,561	17,468	18,278	16,973	19,657
Lactose, human and animal	128,293	125,170	127,116	131,902	124,111
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	15.2	21.2	14.5	16.3	21.1

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2016 (continued)

Products	October	November	December	Total	2016 as percent of 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	10,309	9,558	9,801	127,526	4.6
Dry whey products					
Dry whey, human	81,612	70,899	76,733	932,277	-3.0
Dry whey, animal	2,211	2,416	1,534	22,669	36.0
Dry whey, total	83,823	73,315	78,267	954,946	-2.3
Reduced lactose and minerals					
Human	2,839	2,109	2,309	30,982	-10.3
Animal	3,053	2,571	2,570	31,677	-8.5
Whey protein concentrate					
Human ²	37,817	39,007	38,747	464,314	-4.9
Animal ²	243	261	306	3,562	-26.8
Total ²	38,060	39,268	39,053	467,876	-5.1
25.0-49.9 percent ³	14,183	15,870	14,511	177,113	-19.4
50.0-89.9 percent ³	23,877	23,398	24,542	290,763	6.4
Whey protein isolates ⁴	10,211	10,217	10,987	111,322	10.0
Lactose, human and animal	89,840	86,913	92,846	1,098,736	4.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	59,552	59,456	63,842	(X)	(X)
Dry whey, animal	1,269	1,165	1,834	(X)	(X)
Dry whey, total	60,821	60,621	65,676	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	7,261	6,471	6,345	(X)	(X)
Whey protein concentrate					
Human ²	60,560	64,746	59,786	(X)	(X)
Animal ²	672	506	650	(X)	(X)
Total ²	61,232	65,252	60,436	(X)	(X)
25.0-49.9 percent ³	20,774	22,420	22,406	(X)	(X)
50.0-89.9 percent ³	40,458	42,832	38,030	(X)	(X)
Whey protein isolates ⁴	21,598	21,855	22,424	(X)	(X)
Lactose, human and animal	112,382	109,712	109,277	(X)	(X)
	(cents per pounds)	(cents per pounds)	(cents per pounds)	(cents per pounds)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	20.7	21.9	27.4	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ Prices for bulk goods, FOB plant. Average monthly prices reported by firms.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2015

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	5	3,811	3,821	4,154	4,134
Skim, unsweetened	43	126,249	119,407	130,562	140,061
Whole, sweetened	5	7,742	6,935	8,770	8,650
Whole, unsweetened	9	7,980	12,767	25,706	23,577
Condensed or evaporated buttermilk	15	9,879	10,534	13,191	10,768
Canned milk					
Evaporated and condensed whole ¹	5	35,829	35,497	38,784	39,097
Evaporated skim	4	3,124	2,695	3,607	3,970
Dry milk products					
Dry buttermilk, total	26	10,594	9,010	8,773	8,412
Dry skim milk, animal	30	846	796	855	964
Dry whole milk	13	6,579	11,206	13,617	15,829
Milk protein concentrate, total ²	14	14,038	13,834	12,146	19,144
Nonfat dry milk, human	50	167,705	150,960	180,878	180,771
Skim milk powder, total ³	12	41,107	33,320	39,442	33,099
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	36,002	42,714	42,917	52,594
Dry milk products					
Dry buttermilk, total	(NA)	25,381	25,537	20,633	24,009
Dry skim milk, animal	(NA)	2,157	1,972	1,687	1,893
Dry whole milk	(NA)	23,237	18,282	17,651	25,258
Nonfat dry milk, human	(NA)	240,226	237,594	250,654	248,122
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	10,846	8,124	10,889	8,013
Dry skim milk, animal	(NA)	627	1,130	1,294	748
Dry whole milk	(NA)	6,143	9,243	14,778	10,521
Nonfat dry milk, human	(NA)	160,354	140,499	160,255	172,963
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	105.4	89.6	91.0	94.5
Dry skim milk, animal	(NA)	71.8	57.8	63.4	65.4
Dry whole milk	(NA)	161.6	154.4	152.6	149.4

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2015 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	3,789	4,709	4,729	4,999	4,432
Skim, unsweetened	148,639	151,409	160,441	156,648	135,755
Whole, sweetened	8,567	7,309	8,615	7,896	8,357
Whole, unsweetened	24,971	20,713	7,757	12,778	10,959
Condensed or evaporated buttermilk	8,101	7,654	7,491	6,068	6,540
Canned milk					
Evaporated and condensed whole ¹	40,829	37,024	31,902	35,364	37,232
Evaporated skim	3,798	4,036	3,652	3,939	3,534
Dry milk products					
Dry buttermilk, total	8,735	6,613	5,988	6,461	6,885
Dry skim milk, animal	907	998	954	708	675
Dry whole milk	12,762	6,721	9,923	6,789	4,194
Milk protein concentrate, total ²	20,903	13,551	9,257	9,968	11,687
Nonfat dry milk, human	180,013	165,441	155,265	123,892	119,974
Skim milk powder, total ³	35,538	34,676	34,882	39,288	26,837
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	96,400	102,608	102,950	107,206	99,109
Dry milk products					
Dry buttermilk, total	23,695	21,651	14,390	12,053	9,864
Dry skim milk, animal	1,971	1,937	2,242	2,068	1,787
Dry whole milk	27,788	25,050	23,211	19,633	9,383
Nonfat dry milk, human	261,473	262,380	269,974	231,226	211,689
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	8,593	8,080	7,265	8,451	8,954
Dry skim milk, animal	1,123	989	946	950	1,177
Dry whole milk	9,518	8,624	11,577	9,715	13,835
Nonfat dry milk, human	159,119	158,824	137,850	155,021	132,528
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	88.2	86.6	86.1	73.8	78.9
Dry skim milk, animal	60.9	58.7	51.6	53.5	55.3
Dry whole milk	145.2	144.2	154.5	134.5	145.2

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2015 (continued)

Products	October	November	December	Total	2015 as percent of 2014
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	4,291	5,123	4,943	52,935	21.4
Skim, unsweetened	137,230	130,145	136,011	1,672,557	0.7
Whole, sweetened	8,998	8,394	9,634	99,867	12.7
Whole, unsweetened	9,775	8,015	8,703	173,701	164.8
Condensed or evaporated buttermilk	8,708	7,372	9,370	105,676	-3.1
Canned milk					
Evaporated and condensed whole ¹	43,103	40,157	37,962	452,780	43.6
Evaporated skim	3,915	3,879	3,791	43,940	57.7
Dry milk products					
Dry buttermilk, total	7,445	7,941	11,507	98,364	-11.5
Dry skim milk, animal	687	545	1,018	9,953	-11.9
Dry whole milk	5,221	6,016	9,665	108,522	5.2
Milk protein concentrate, total ²	12,042	8,875	11,864	157,309	24.8
Nonfat dry milk, human	118,360	127,939	151,150	1,822,348	3.3
Skim milk powder, total ³	39,723	44,940	43,472	446,324	-17.9
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	72,913	39,624	43,053	(X)	(X)
Dry milk products					
Dry buttermilk, total	11,099	11,371	17,056	(X)	(X)
Dry skim milk, animal	1,984	1,845	1,568	(X)	(X)
Dry whole milk	6,039	7,404	11,370	(X)	(X)
Nonfat dry milk, human	180,173	198,959	204,443	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	6,356	5,537	5,545	(X)	(X)
Dry skim milk, animal	490	668	1,312	(X)	(X)
Dry whole milk	5,941	5,111	4,518	(X)	(X)
Nonfat dry milk, human	143,720	104,778	132,941	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	91.0	93.2	84.8	(X)	(X)
Dry skim milk, animal	49.1	46.0	52.2	(X)	(X)
Dry whole milk	152.0	167.3	171.5	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Combined to avoid disclosing individual plant operations.

² Dry milk protein concentrate, 40.0-89.9 percent.

³ Includes protein standardized and blends.

⁴ Stocks held by manufacturers at all points and in transit.

⁵ For dry products, shipments of bulk goods.

⁶ Prices for bulk goods, FOB plant. Average monthly prices reported by firms, weighted by shipments of each firm.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2016

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	5	5,610	5,437	4,772	6,963
Skim, unsweetened	44	142,305	135,122	149,399	149,776
Whole, sweetened	5	7,991	7,138	8,693	7,649
Whole, unsweetened	7	7,274	8,281	7,978	8,380
Condensed or evaporated buttermilk	13	9,277	10,077	10,053	9,788
Canned milk					
Evaporated and condensed whole ¹	5	35,454	38,483	39,073	33,680
Evaporated skim	3	2,165	1,117	1,278	794
Dry milk products					
Dry buttermilk, total	25	11,422	10,835	9,618	9,604
Dry skim milk, animal	28	628	678	1,046	843
Dry whole milk	13	9,947	8,647	9,968	9,069
Milk protein concentrate, total ²	12	15,856	16,736	14,027	16,209
Nonfat dry milk, human	50	137,463	143,032	172,110	170,927
Skim milk powder, total ³	13	51,225	40,201	40,564	43,189
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	61,001	75,930	84,501	84,344
Dry milk products					
Dry buttermilk, total	(NA)	21,411	25,698	25,091	24,685
Dry skim milk, animal	(NA)	1,367	1,466	2,060	2,154
Dry whole milk	(NA)	13,065	11,484	13,044	14,471
Nonfat dry milk, human	(NA)	227,633	217,552	232,111	252,272
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	7,041	6,283	9,737	8,064
Dry skim milk, animal	(NA)	726	605	719	877
Dry whole milk	(NA)	12,938	9,794	7,823	6,373
Nonfat dry milk, human	(NA)	112,991	145,433	155,142	151,032
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	87.5	81.8	73.3	74.7
Dry skim milk, animal	(NA)	47.6	47.8	42.1	47.5
Dry whole milk	(NA)	153.8	149.2	140.5	146.9

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2016 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	7,864	6,639	6,625	7,253	7,122
Skim, unsweetened	157,553	151,089	155,908	141,268	124,631
Whole, sweetened	10,725	10,759	11,295	11,042	10,079
Whole, unsweetened	8,100	8,737	8,877	8,743	9,078
Condensed or evaporated buttermilk	10,485	8,963	7,558	7,367	7,589
Canned milk					
Evaporated and condensed whole ¹	35,867	36,296	28,315	32,495	42,213
Evaporated skim	535	1,704	1,869	1,144	2,825
Dry milk products					
Dry buttermilk, total	8,775	8,120	7,285	6,774	8,021
Dry skim milk, animal	821	834	689	942	595
Dry whole milk	8,513	6,203	8,334	6,716	6,921
Milk protein concentrate, total ²	18,839	18,230	12,145	9,892	10,647
Nonfat dry milk, human	166,022	146,668	150,873	117,674	125,602
Skim milk powder, total ³	50,865	55,853	48,814	46,426	38,447
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	78,752	84,267	87,952	84,863	80,836
Dry milk products					
Dry buttermilk, total	24,112	21,400	18,618	16,164	17,599
Dry skim milk, animal	2,402	2,439	2,245	2,019	1,477
Dry whole milk	15,338	15,573	14,011	12,898	13,698
Nonfat dry milk, human	232,158	230,843	257,109	234,903	216,093
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	8,173	9,932	9,267	8,178	5,675
Dry skim milk, animal	669	637	858	1,095	1,172
Dry whole milk	9,405	7,934	7,183	7,258	5,619
Nonfat dry milk, human	174,255	139,392	120,111	133,120	132,752
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	72.2	69.3	73.1	79.7	87.0
Dry skim milk, animal	44.2	36.6	41.4	42.8	42.5
Dry whole milk	139.0	136.8	150.0	149.3	148.1

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2016 (continued)

Products	October	November	December	Total	2016 as percent of 2015
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	6,994	5,743	6,136	77,158	45.8
Skim, unsweetened	121,989	119,425	102,681	1,651,146	-1.3
Whole, sweetened	10,635	10,327	10,230	116,563	16.7
Whole, unsweetened	9,490	7,708	4,558	97,204	-44.0
Condensed or evaporated buttermilk	8,003	7,449	9,389	105,998	0.3
Canned milk					
Evaporated and condensed whole ¹	43,927	49,950	40,942	456,695	0.9
Evaporated skim	1,573	1,250	643	16,897	-61.5
Dry milk products					
Dry buttermilk, total	8,405	9,794	10,988	109,641	11.5
Dry skim milk, animal	783	565	863	9,287	-6.7
Dry whole milk	6,887	7,308	9,661	98,174	-9.5
Milk protein concentrate, total ²	11,133	13,182	14,008	170,904	8.6
Nonfat dry milk, human	140,051	128,105	154,980	1,753,507	-3.8
Skim milk powder, total ³	41,475	47,388	54,726	559,173	25.3
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	59,034	47,856	41,859	(X)	(X)
Dry milk products					
Dry buttermilk, total	17,708	20,083	22,805	(X)	(X)
Dry skim milk, animal	1,813	1,357	1,969	(X)	(X)
Dry whole milk	14,087	12,176	13,346	(X)	(X)
Nonfat dry milk, human	223,809	215,134	225,506	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	7,243	6,251	7,657	(X)	(X)
Dry skim milk, animal	618	712	718	(X)	(X)
Dry whole milk	5,506	6,927	10,781	(X)	(X)
Nonfat dry milk, human	121,524	128,603	138,346	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	84.1	86.7	85.6	(X)	(X)
Dry skim milk, animal	49.2	41.9	59.0	(X)	(X)
Dry whole milk	145.2	139.7	139.1	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Combined to avoid disclosing individual plant operations.

² Dry milk protein concentrate, 40.0-89.9 percent.

³ Includes protein standardized and blends.

⁴ Stocks held by manufacturers at all points and in transit.

⁵ For dry products, shipments of bulk goods.

⁶ Prices for bulk goods, FOB plant. Average monthly prices reported by firms, weighted by shipments of each firm.

Total Cheese (Excluding Cottage Cheese) Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	215,134	199,171	214,938	201,529	213,641	207,578	213,619	205,576
Idaho	80,114	70,687	82,978	81,182	76,022	81,243	82,929	78,203
Illinois	6,449	6,232	6,997	6,547	7,063	6,702	6,572	6,842
Iowa	22,872	19,587	19,782	23,055	21,492	19,233	22,836	20,680
Minnesota	57,445	51,718	55,755	55,404	57,437	54,335	54,732	52,709
New Jersey	4,564	4,582	4,986	4,652	4,192	4,886	4,915	5,037
New Mexico	68,717	60,534	69,333	65,928	67,916	59,654	65,767	61,712
New York	72,455	65,134	67,700	61,981	59,396	66,805	63,621	73,208
Ohio	18,206	17,093	18,190	17,381	17,822	17,909	16,850	18,700
Pennsylvania	31,501	33,397	32,176	34,241	34,950	33,235	32,784	34,863
South Dakota	23,122	21,235	22,265	21,513	22,371	23,389	23,815	21,649
Vermont	11,286	10,222	10,954	10,723	11,089	10,464	10,537	10,913
Wisconsin	265,619	249,420	273,013	272,339	271,421	267,456	271,932	268,347
Other States ¹	147,082	139,728	149,241	145,840	146,612	144,639	146,183	146,468
United States	1,024,566	948,740	1,028,308	1,002,315	1,011,424	997,528	1,017,092	1,004,907
Atlantic	126,799	119,850	123,037	118,146	116,622	122,230	118,681	130,807
Central	453,722	426,821	460,163	457,516	461,187	452,622	459,794	452,198
West	444,045	402,069	445,108	426,653	433,615	422,676	438,617	421,902

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	203,198	213,442	209,801	217,234	2,514,861	59	2,435,632	61
Idaho	81,751	83,883	74,261	81,734	954,987	9	941,683	9
Illinois	6,732	7,033	7,033	7,309	81,511	11	77,773	11
Iowa	19,054	23,942	21,574	20,105	254,212	10	244,487	9
Minnesota	52,898	53,477	53,802	57,654	657,366	11	679,467	10
New Jersey	4,941	5,345	4,725	5,257	58,082	14	58,778	16
New Mexico	59,908	62,991	65,490	68,165	776,115	4	769,534	4
New York	70,305	76,639	77,284	71,704	826,232	63	801,262	60
Ohio	17,144	18,001	18,110	19,816	215,222	20	211,382	19
Pennsylvania	30,925	34,834	35,584	34,486	402,976	41	408,409	42
South Dakota	21,488	24,962	24,363	25,462	275,634	7	278,343	7
Vermont	10,448	11,295	11,814	12,188	131,933	30	130,842	29
Wisconsin	265,853	279,732	272,576	281,327	3,239,035	128	3,069,641	127
Other States ¹	142,611	152,543	149,511	159,073	1,769,531	137	1,724,162	138
United States	987,256	1,048,119	1,025,928	1,061,514	12,157,697	544	11,831,395	542
Atlantic	122,990	135,173	136,564	131,121	1,502,020	209	1,479,959	209
Central	444,177	473,405	462,516	481,548	5,485,669	234	5,293,499	230
West	420,089	439,541	426,848	448,845	5,170,008	101	5,057,937	103

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Total American Type Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	55,906	52,015	56,538	51,188	53,733	53,293	53,529	55,633
Idaho	51,843	45,639	50,123	50,777	50,311	49,220	53,212	52,755
Iowa	12,929	12,129	11,876	13,835	13,889	12,448	14,124	13,758
New York	11,207	10,292	10,860	10,823	10,960	10,856	10,690	10,606
Oregon	17,619	16,420	17,137	16,541	17,778	15,838	16,230	16,321
Pennsylvania	69	69	66	74	76	87	87	89
Wisconsin	82,281	75,259	82,496	83,849	81,809	79,586	80,101	74,709
Other States ¹	169,956	155,576	172,569	171,220	173,710	170,840	173,088	168,661
United States	401,810	367,399	401,665	398,307	402,266	392,168	401,061	392,532
Atlantic	25,039	23,168	24,482	24,021	24,659	23,974	23,952	23,912
Central	190,986	177,491	193,376	193,932	196,696	187,733	191,040	183,561
West	185,785	166,740	183,807	180,354	180,911	180,461	186,069	185,059

State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	53,190	54,023	53,211	57,363	649,622	18	652,773	20
Idaho	49,184	50,406	50,389	50,851	604,710	5	611,114	6
Iowa	13,258	15,667	14,591	14,327	162,831	7	141,959	6
New York	10,450	10,688	10,603	11,393	129,428	21	133,974	23
Oregon	16,407	16,742	16,288	16,816	200,137	6	196,983	6
Pennsylvania	104	79	84	74	958	25	1,014	24
Wisconsin	72,448	79,408	79,004	83,665	954,615	66	909,749	64
Other States ¹	162,963	174,668	174,520	186,128	2,053,899	94	2,046,905	93
United States	378,004	401,681	398,690	420,617	4,756,200	242	4,694,471	242
Atlantic	22,969	24,422	24,639	26,327	291,564	75	293,651	77
Central	179,396	196,273	194,639	206,350	2,291,473	123	2,250,235	118
West	175,639	180,986	179,412	187,940	2,173,163	44	2,150,585	47

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed

Cheddar Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	32,154	22,123	28,590	30,153	28,366	27,550	27,235	30,292
Idaho	41,959	35,535	38,694	41,978	41,381	39,408	43,061	41,645
Iowa	7,202	7,116	7,571	8,436	7,611	7,126	8,321	8,536
Minnesota	44,208	37,517	42,093	41,167	41,712	39,149	39,218	40,244
Vermont	7,834	7,034	7,472	7,340	7,886	7,414	7,443	7,496
Wisconsin	57,844	51,696	55,179	58,111	56,178	54,074	54,479	50,030
Other States ¹	105,871	96,966	106,621	112,595	109,502	105,655	104,416	103,044
United States	297,072	257,987	286,220	299,780	292,636	280,376	284,173	281,287
Atlantic	24,207	22,165	23,487	23,064	23,751	23,143	23,059	22,817
Central	137,445	125,039	134,943	139,096	137,976	127,850	130,031	126,316
West	135,420	110,783	127,790	137,620	130,909	129,383	131,083	132,154

State and region	2016					2015		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	27,937	27,851	28,234	33,596	344,081	18	359,292	20
Idaho	36,558	39,837	39,084	40,638	479,778	5	480,227	5
Iowa	8,324	8,303	8,375	9,056	95,977	7	90,580	6
Minnesota	41,173	40,190	41,578	45,116	493,365	8	531,742	7
Vermont	7,406	7,875	8,185	8,734	92,119	9	88,294	9
Wisconsin	49,365	54,080	52,743	58,694	652,473	66	613,334	64
Other States ¹	99,768	104,504	106,480	111,504	1,266,926	114	1,229,642	115
United States	270,531	282,640	284,679	307,338	3,424,719	227	3,393,111	226
Atlantic	21,985	23,428	24,022	25,355	280,483	65	281,043	66
Central	124,696	131,338	134,459	144,419	1,593,608	118	1,585,442	114
West	123,850	127,874	126,198	137,564	1,550,628	44	1,526,626	46

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Other American Varieties of Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Includes Colby, Monterey, and Jack]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	23,752	29,892	27,948	21,035	25,367	25,743	26,294	25,341
Idaho	9,884	10,104	11,429	8,799	8,930	9,812	10,151	11,110
Wisconsin	24,437	23,563	27,317	25,738	25,631	25,512	25,622	24,679
Other States ¹	46,665	45,853	48,751	42,955	49,702	50,725	54,821	50,115
United States	104,738	109,412	115,445	98,527	109,630	111,792	116,888	111,245
Atlantic	832	1,003	995	957	908	831	893	1,095
Central	53,541	52,452	58,433	54,836	58,720	59,883	61,009	57,245
West	50,365	55,957	56,017	42,734	50,002	51,078	54,986	52,905

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	25,253	26,172	24,977	23,767	305,541	12	293,481	13
Idaho	12,626	10,569	11,305	10,213	124,932	2	130,887	3
Wisconsin	23,083	25,328	26,261	24,971	302,142	51	296,415	50
Other States ¹	46,511	56,972	51,468	54,328	598,866	83	580,577	82
United States	107,473	119,041	114,011	113,279	1,331,481	148	1,301,360	148
Atlantic	984	994	617	972	11,081	41	12,608	39
Central	54,700	64,935	60,180	61,931	697,865	84	664,793	84
West	51,789	53,112	53,214	50,376	622,535	23	623,959	25

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Total Italian Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	141,872	129,220	140,459	131,913	140,600	134,371	140,100	130,907
Idaho	22,552	18,966	26,896	23,642	19,858	25,579	22,289	19,394
New York	32,226	28,987	31,514	28,232	27,719	28,942	29,529	30,958
Pennsylvania	19,457	20,587	19,703	21,279	23,166	20,680	21,013	20,697
Wisconsin	131,390	124,908	138,829	134,590	136,872	137,878	137,996	137,137
Other States ¹	103,494	94,182	101,212	98,932	96,780	87,892	93,379	86,123
United States	450,991	416,850	458,613	438,588	444,995	435,342	444,306	425,216
Atlantic	56,373	53,796	56,401	53,687	55,195	54,704	55,343	56,775
Central	176,977	168,206	182,706	179,355	179,326	178,568	179,585	174,636
West	217,641	194,848	219,506	205,546	210,474	202,070	209,378	193,805
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	127,674	137,642	135,457	141,865	1,632,080	28	1,563,907	29
Idaho	26,134	26,321	17,220	24,897	273,748	4	259,336	3
New York	31,113	34,179	32,071	31,718	367,188	17	351,036	21
Pennsylvania	18,747	19,530	21,675	21,232	247,766	16	246,682	20
Wisconsin	140,822	138,422	138,517	144,619	1,641,980	58	1,537,095	63
Other States ¹	84,714	91,248	93,926	97,999	1,129,881	77	1,123,770	78
United States	429,204	447,342	438,866	462,330	5,292,643	200	5,081,826	214
Atlantic	54,822	58,808	58,634	58,030	672,568	75	654,954	84
Central	176,460	178,924	178,201	185,106	2,138,050	83	2,025,114	89
West	197,922	209,610	202,031	219,194	2,482,025	42	2,401,758	41

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Mozzarella Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	128,614	118,569	128,639	119,384	129,101	122,209	126,735	119,182
Idaho	20,932	17,512	25,821	22,314	18,224	23,542	20,931	18,209
New York	17,871	15,457	16,631	16,137	14,887	16,027	17,652	15,938
Pennsylvania	16,281	17,780	16,423	18,340	19,963	17,754	18,295	17,520
Wisconsin	89,581	84,530	93,815	89,813	90,849	92,745	94,648	92,430
Other States ¹	79,123	71,668	76,702	74,176	73,433	66,720	70,060	64,961
United States	352,402	325,516	358,031	340,164	346,457	338,997	348,321	328,240
Atlantic	35,996	35,272	35,270	36,651	37,112	36,515	38,746	36,281
Central	115,491	108,598	118,123	113,226	113,795	116,000	116,570	112,759
West	200,915	181,646	204,638	190,287	195,550	186,482	193,005	179,200

State and region	2016					2015		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	118,325	125,146	125,234	130,477	1,491,615	24	1,426,822	26
Idaho	24,722	24,700	16,293	23,189	256,389	3	243,160	3
New York	15,787	17,420	15,307	16,965	196,079	13	189,338	15
Pennsylvania	16,020	16,496	18,697	18,305	211,874	6	209,780	12
Wisconsin	92,455	90,021	88,772	92,476	1,092,135	38	1,051,136	39
Other States ¹	66,009	70,928	74,986	76,915	865,681	42	868,700	41
United States	333,318	344,711	339,289	358,327	4,113,773	126	3,988,936	136
Atlantic	34,371	36,167	36,252	37,294	435,927	39	424,360	45
Central	113,773	114,808	113,993	116,597	1,373,733	54	1,335,138	56
West	185,174	193,736	189,044	204,436	2,304,113	33	2,229,438	35

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Total Italian Cheese Production by Type – United States: 2015 and 2016

Type	2015	2016	2015 as percent of 2016
	(1,000 pounds)	(1,000 pounds)	(percent)
Hard			
Provolone and similars	379,316	401,413	5.8
Romano and similars	55,034	52,436	-4.7
Parmesan and similars	339,003	399,748	17.9
Other hard	50,388	48,035	-4.7
Total hard	823,741	901,632	9.5
Soft			
Mozzarella and similars	3,988,936	4,113,773	3.1
Ricotta and similars	243,464	252,275	3.6
Other soft	25,685	24,963	-2.8
Total soft	4,258,085	4,391,011	3.1
Total hard and soft	5,081,826	5,292,643	4.1

Total Italian Cheese Production by Type – Regions and United States: 2015 and 2016

Region	Hard types		Soft types		Total	
	2015	2016	2015	2016	2015	2016
	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)
Atlantic	87,687	89,523	567,267	583,045	654,954	672,568
Central	569,917	640,860	1,455,197	1,497,190	2,025,114	2,138,050
West	166,137	171,249	2,235,621	2,310,776	2,401,758	2,482,025
United States	823,741	901,632	4,258,085	4,391,011	5,081,826	5,292,643

Miscellaneous Italian Cheese Production – States and United States: 2015 and 2016

State	Provolone		Romano		Parmesan	
	2015	2016	2015	2016	2015	2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Wisconsin	200,982	217,264	29,364	31,579	127,135	171,849
Other States ¹	178,334	184,149	25,670	20,857	211,868	227,899
United States	379,316	401,413	55,034	52,436	339,003	399,748

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Swiss Cheese Production by Month – States and United States: 2016 and Total 2015-2016

State	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Ohio	12,713	11,392	12,379	11,631	12,842	13,436	12,589	12,087
Pennsylvania	762	630	659	673	728	771	794	715
Wisconsin	1,345	1,506	1,445	1,569	1,682	1,524	1,488	1,529
Other States ¹	12,614	10,901	11,537	10,384	11,084	11,409	12,131	11,072
United States	27,434	24,429	26,020	24,257	26,336	27,140	27,002	25,403

State	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Ohio	12,159	12,221	12,506	13,781	149,736	13	146,835	13
Pennsylvania	650	654	707	719	8,462	9	9,858	9
Wisconsin	1,369	1,608	1,542	1,593	18,200	8	16,651	9
Other States ¹	10,856	11,533	11,128	10,930	135,579	27	138,671	26
United States	25,034	26,016	25,883	27,023	311,977	57	312,015	57

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Hispanic Cheese Production by Month – States and United States: 2016 and Total 2015-2016

State	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	9,496	10,447	10,839	9,377	10,266	10,835	10,187	10,563
Wisconsin	6,702	7,092	7,284	7,215	6,556	7,487	7,201	7,905
Other States ¹	4,357	4,484	4,696	4,889	4,080	4,413	4,519	4,248
United States	20,555	22,023	22,819	21,481	20,902	22,735	21,907	22,716

State	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	11,116	10,544	11,147	10,240	125,057	13	121,808	14
Wisconsin	6,948	7,089	6,993	6,928	85,400	13	77,197	13
Other States ¹	4,854	5,235	4,584	5,438	55,797	33	55,286	35
United States	22,918	22,868	22,724	22,606	266,254	59	254,291	62

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Muenster Cheese Production by Month – States and United States: 2016 and Total 2015-2016

State	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Wisconsin	4,875	4,948	5,241	4,887	5,306	5,340	4,668	5,117
Other States ¹	9,828	9,077	8,527	10,845	10,749	9,488	11,485	9,695
United States	14,703	14,025	13,768	15,732	16,055	14,828	16,153	14,812

State	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Wisconsin	4,868	4,803	5,162	5,017	60,232	20	60,935	19
Other States ¹	10,072	11,913	10,249	9,181	121,109	17	116,605	19
United States	14,940	16,716	15,411	14,198	181,341	37	177,540	38

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Processed Cheeses and Combinations Production – United States: 2007-2016

Year	Processed cheese ¹		Processed cheese foods and spreads ²	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
2007	27	1,267,807	31	975,150
2008	27	1,289,831	29	869,648
2009	26	1,210,653	29	897,333
2010	26	1,146,634	25	925,068
2011	26	1,183,092	25	935,978
2012	28	1,211,689	25	874,474
2013	27	1,200,849	23	822,652
2014	28	1,445,066	22	905,293
2015	26	1,488,683	27	873,337
2016	29	1,630,801	25	654,996

Year	Cold pack cheese and cheese foods ²		Total	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
2007	15	43,743	50	2,286,700
2008	16	42,483	47	2,201,962
2009	14	90,025	48	2,198,011
2010	15	38,463	47	2,110,165
2011	14	39,121	46	2,158,191
2012	15	44,518	48	2,130,681
2013	16	43,407	47	2,066,908
2014	15	44,205	47	2,394,564
2015	15	37,893	48	2,399,913
2016	13	30,619	47	2,316,416

¹ Processed cheese is made by pasteurizing, emulsifying, and blending natural cheese and contains no other ingredients.

² Processed cheese foods, spreads, and cold pack contain additional ingredients such as nonfat milk solids, condiments, etc. These data exclude spreads made from Neufchatel and Cream Cheese.

Lowfat Cottage Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Fat content less than 4 percent]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
New York	9,443	8,878	10,624	8,837	9,941	9,498	8,982	10,032
Ohio	918	1,090	1,140	1,048	1,374	1,388	1,107	1,532
Other States ¹	19,909	20,343	22,722	20,441	21,175	19,865	20,270	20,696
United States	30,270	30,311	34,486	30,326	32,490	30,751	30,359	32,260
Atlantic	9,982	9,460	11,340	9,333	10,387	9,976	9,523	10,588
Central	9,771	10,801	11,594	10,759	11,693	11,027	10,849	12,003
West	10,517	10,050	11,552	10,234	10,410	9,748	9,987	9,669

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
New York	8,932	8,850	8,227	8,929	111,173	6	103,537	6
Ohio	1,322	1,205	1,142	1,079	14,345	4	10,733	4
Other States ¹	20,312	19,899	19,087	17,578	242,297	43	248,734	44
United States	30,566	29,954	28,456	27,586	367,815	53	363,004	54
Atlantic	9,406	9,322	8,622	9,442	117,381	10	110,471	10
Central	11,416	10,772	10,759	9,602	131,046	24	129,463	26
West	9,744	9,860	9,075	8,542	119,388	19	123,070	18

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Creamed Cottage Cheese Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Fat content more than 4 percent]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	3,238	3,657	3,884	3,479	3,938	3,652	3,666	4,320
New York	6,657	7,005	7,533	7,231	7,601	7,407	7,048	7,139
Ohio	1,510	1,496	1,824	1,574	1,769	1,807	1,525	1,945
Oregon	138	142	160	143	152	145	138	160
Other States ¹	14,093	14,645	15,753	14,625	15,486	15,324	14,786	16,120
United States	25,636	26,945	29,154	27,052	28,946	28,335	27,163	29,684
Atlantic	7,570	7,977	8,612	8,115	8,516	8,316	7,950	8,227
Central	12,226	12,893	13,707	13,114	13,995	13,835	13,191	15,263
West	5,840	6,075	6,835	5,823	6,435	6,184	6,022	6,194

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Illinois	3,707	3,621	3,771	3,161	44,094	4	35,663	4
New York	7,212	6,621	6,419	6,966	84,839	6	82,656	7
Ohio	1,659	1,668	1,654	1,558	19,989	4	16,571	4
Oregon	168	141	135	142	1,764	4	1,842	3
Other States ¹	15,036	14,850	14,062	13,978	178,758	36	180,799	37
United States	27,782	26,901	26,041	25,805	329,444	54	317,531	55
Atlantic	7,979	7,543	7,262	7,720	95,787	9	94,042	10
Central	13,988	13,352	13,031	12,609	161,204	25	151,872	27
West	5,815	6,006	5,748	5,476	72,453	20	71,617	18

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Cottage Cheese Curd Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Mostly used for processing into fully creamed or lowfat cottage cheese. Cottage cheese curd and creamed and lowfat cottage cheese should not be added together to obtain total production]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	2,679	2,920	2,920	2,916	3,154	2,738	3,072	3,193
New York	8,762	8,732	9,971	8,633	9,518	9,084	8,676	9,255
Ohio	1,328	1,369	1,576	1,478	1,584	1,614	1,398	1,610
Other States ¹	19,720	19,997	21,872	20,012	20,787	20,460	19,858	21,452
United States	32,489	33,018	36,339	33,039	35,043	33,896	33,004	35,510
Atlantic	9,832	9,970	11,377	9,652	10,526	10,116	9,791	10,520
Central	13,252	14,146	14,829	14,555	15,227	14,822	14,483	15,461
West	9,405	8,902	10,133	8,832	9,290	8,958	8,730	9,529

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Illinois	2,956	2,909	2,588	2,453	34,498	3	38,530	4
New York	8,880	8,456	8,029	8,479	106,475	7	104,522	6
Ohio	1,618	1,492	1,396	1,358	17,821	4	14,522	4
Other States ¹	26,215	19,701	18,952	18,607	247,633	38	243,060	41
United States	39,669	32,558	30,965	30,897	406,427	52	400,634	55
Atlantic	15,475	9,512	8,913	9,498	125,182	11	119,947	10
Central	15,348	14,624	13,872	13,493	174,112	25	171,607	29
West	8,846	8,422	8,180	7,906	107,133	16	109,080	16

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Sour Cream Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	16,570	15,916	17,331	15,917	16,661	17,101	16,123	16,480
New York	20,771	21,448	23,226	19,602	23,188	23,524	20,968	23,041
Pennsylvania	124	180	172	197	239	189	161	185
Other States ¹	69,038	68,627	74,741	64,744	73,649	77,096	66,274	74,840
United States	106,503	106,171	115,470	100,460	113,737	117,910	103,526	114,546
Atlantic	23,381	24,107	26,114	22,334	26,244	26,593	23,810	25,432
Central	50,005	48,671	53,129	47,339	52,213	53,868	48,317	52,786
West	33,117	33,393	36,227	30,787	35,280	37,449	31,399	36,328

State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	15,290	17,262	17,657	16,987	199,295	20	199,779	21
New York	22,417	24,447	26,092	26,885	275,609	12	262,734	12
Pennsylvania	169	172	161	152	2,101	6	1,949	6
Other States ¹	70,743	81,577	89,381	85,343	896,053	76	861,167	69
United States	108,619	123,458	133,291	129,367	1,373,058	114	1,325,629	108
Atlantic	25,160	27,593	29,345	30,106	310,219	29	292,678	24
Central	49,716	57,241	62,951	61,827	638,063	45	631,462	43
West	33,743	38,624	40,995	37,434	424,776	40	401,489	41

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed

Butter Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	52,776	50,993	55,450	51,574	49,549	46,035	43,445	38,223
New York	2,982	2,565	2,500	2,937	2,671	2,165	1,504	1,730
Pennsylvania	9,282	7,992	9,328	8,635	8,280	7,999	7,898	4,257
Other States ¹	105,695	106,713	107,629	108,053	105,517	91,497	82,313	79,304
United States	170,735	168,263	174,907	171,199	166,017	147,696	135,160	123,514
Atlantic	20,458	18,680	19,127	19,070	17,501	13,748	11,311	9,073
Central	70,120	73,224	72,583	71,387	69,928	57,512	52,670	50,473
West	80,157	76,359	83,197	80,742	78,588	76,436	71,179	63,968

State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	39,971	42,246	42,374	50,429	563,065	14	580,551	14
New York	1,793	2,221	1,584	2,810	27,462	8	26,165	8
Pennsylvania	7,010	7,539	8,195	9,189	95,604	5	93,537	4
Other States ¹	86,499	87,843	90,924	101,015	1,153,002	59	1,149,266	57
United States	135,273	139,849	143,077	163,443	1,839,133	86	1,849,519	83
Atlantic	13,523	13,649	14,343	18,015	188,498	26	187,176	24
Central	56,270	56,390	59,208	66,285	756,050	34	732,622	33
West	65,480	69,810	69,526	79,143	894,585	26	929,721	26

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Yogurt (Plain and Flavored) Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	27,837	29,072	31,617	30,403	29,574	30,435	24,443	44,334
New York	53,615	50,345	57,992	54,991	56,311	56,471	55,682	65,637
Oregon	4,130	4,725	5,209	3,988	4,776	4,473	3,941	5,455
Texas	5,680	4,497	4,717	4,573	4,559	4,754	4,283	5,229
Other States ¹	287,961	288,310	301,049	279,099	268,944	282,411	253,317	278,739
United States	379,223	376,949	400,584	373,054	364,164	378,544	341,666	399,394
Atlantic	105,654	100,614	113,982	108,003	107,960	108,606	103,280	116,765
Central	178,137	181,780	186,448	169,319	155,232	174,848	152,551	168,167
West	95,432	94,555	100,154	95,732	100,972	95,090	85,835	114,462
State and region	2016						2015	
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	41,114	37,400	33,965	34,705	394,899	21	465,665	19
New York	61,205	55,723	51,745	57,074	676,791	37	669,254	37
Oregon	4,103	4,012	3,843	3,783	52,438	3	55,346	3
Texas	4,175	2,876	2,685	2,764	50,792	4	94,126	4
Other States ¹	300,406	261,109	218,745	260,809	3,280,899	90	3,361,203	89
United States	411,003	361,120	310,983	359,135	4,455,819	155	4,645,594	152
Atlantic	114,656	101,885	94,329	104,899	1,280,633	77	1,359,358	73
Central	182,693	153,951	121,332	153,031	1,977,489	41	2,074,080	44
West	113,654	105,284	95,322	101,205	1,197,697	37	1,212,156	35

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Unsweetened Condensed Skim Milk, Bulk Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	36,503	36,956	39,977	37,832	40,373	39,583	38,643	38,019
New York	10,607	10,887	9,682	13,556	16,996	13,313	14,746	11,437
Other States ¹	95,195	87,279	99,740	98,388	100,184	98,193	102,519	91,812
United States	142,305	135,122	149,399	149,776	157,553	151,089	155,908	141,268
Atlantic	30,749	30,678	31,700	37,282	41,190	34,823	39,252	33,489
Central	69,352	62,249	71,995	69,068	69,848	70,525	71,849	62,202
West	42,204	42,195	45,704	43,426	46,515	45,741	44,807	45,577

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	32,314	34,227	32,548	17,713	424,688	10	497,946	10
New York	11,607	8,565	11,449	9,372	142,217	6	85,455	5
Other States ¹	80,710	79,197	75,428	75,596	1,084,241	28	1,089,156	28
United States	124,631	121,989	119,425	102,681	1,651,146	44	1,672,557	43
Atlantic	36,546	29,488	30,361	27,136	402,694	13	351,206	12
Central	47,666	50,888	50,793	52,162	748,597	14	741,685	14
West	40,419	41,613	38,271	23,383	499,855	17	579,666	17

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Nonfat Dry Milk (Human) Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	46,948	52,556	65,948	60,262	50,566	38,004	44,664	30,552
Pennsylvania	15,111	13,164	16,209	16,314	17,558	18,075	15,913	13,164
Other States ¹	75,404	77,312	89,953	94,351	97,898	90,589	90,296	73,958
United States	137,463	143,032	172,110	170,927	166,022	146,668	150,873	117,674
Atlantic	29,521	27,277	32,917	34,249	36,069	36,764	30,117	25,385
Central	25,815	23,976	30,956	30,393	37,183	29,760	26,698	21,424
West	82,127	91,779	108,237	106,285	92,770	80,144	94,058	70,865
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	41,801	43,891	38,590	53,415	567,197	11	702,164	11
Pennsylvania	11,658	16,572	15,156	15,513	184,407	3	179,917	3
Other States ¹	72,143	79,588	74,359	86,052	1,001,903	36	940,267	36
United States	125,602	140,051	128,105	154,980	1,753,507	50	1,822,348	50
Atlantic	19,269	28,369	26,366	28,217	354,520	11	332,732	10
Central	24,599	28,671	29,438	32,215	341,128	15	303,948	17
West	81,734	83,011	72,301	94,548	1,057,859	24	1,185,668	23

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Dry Buttermilk (Total) Production by Month – States and United States: 2016 and Total 2015-2016

State	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	4,593	4,720	4,452	4,726	4,312	3,891	3,934	3,560
Other States ¹	6,829	6,115	5,166	4,878	4,463	4,229	3,351	3,214
United States	11,422	10,835	9,618	9,604	8,775	8,120	7,285	6,774

State	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	3,512	3,608	3,799	4,308	49,415	6	47,074	7
Other States ¹	4,509	4,797	5,995	6,680	60,226	19	51,290	19
United States	8,021	8,405	9,794	10,988	109,641	25	98,364	26

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Dry Whey (Human) Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
New York	12,224	11,894	13,458	12,394	11,560	13,265	11,804	12,307
Wisconsin	25,959	24,050	27,547	26,876	28,123	25,266	26,953	25,424
Other States ¹	41,889	37,862	40,060	41,057	41,247	39,601	40,971	36,781
United States	80,072	73,806	81,065	80,327	80,930	78,132	79,728	74,512
Atlantic	20,506	20,384	21,681	21,542	21,969	22,281	20,147	20,122
Central	37,538	35,464	39,133	38,228	40,383	37,550	38,871	36,342
West	22,028	17,958	20,251	20,557	18,578	18,301	20,710	18,048

State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
New York	13,151	12,745	12,541	11,653	148,996	5	148,774	5
Wisconsin	24,504	25,925	24,826	27,493	312,946	10	308,582	10
Other States ¹	36,806	42,942	33,532	37,587	470,335	15	503,539	15
United States	74,461	81,612	70,899	76,733	932,277	30	960,895	30
Atlantic	20,523	20,780	21,413	20,584	251,932	7	259,408	7
Central	35,473	36,570	35,255	39,345	450,152	16	449,960	16
West	18,465	24,262	14,231	16,804	230,193	7	251,527	7

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream, Regular (Hard) Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Contains minimum milkfat content of 10 percent and not less than 4.5 pounds per gallon]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	8,372	8,976	12,450	12,755	12,262	12,519	10,263	10,437
Connecticut	1,015	1,072	1,223	1,229	1,143	1,346	1,276	1,228
Missouri	2,275	2,575	2,855	2,691	2,744	2,721	3,049	3,023
Ohio	1,350	1,706	2,272	2,057	2,158	2,384	2,587	2,374
Oregon	819	835	1,222	1,275	1,324	1,260	1,336	1,268
Pennsylvania	2,957	2,427	2,749	3,205	3,598	3,961	3,799	4,049
Wisconsin	1,237	1,309	1,659	1,551	1,619	2,018	1,871	2,017
Other States ¹	41,319	42,886	48,440	48,353	47,912	50,795	47,656	48,642
United States	59,344	61,786	72,870	73,116	72,760	77,004	71,837	73,038
Atlantic	12,967	14,119	15,324	15,229	16,102	17,369	17,028	17,169
Central	32,552	32,947	38,712	38,601	37,542	40,567	38,382	38,979
West	13,825	14,720	18,834	19,286	19,116	19,068	16,427	16,890

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	9,133	8,040	6,655	6,225	118,087	24	126,095	23
Connecticut	1,114	1,019	878	716	13,259	15	14,383	15
Missouri	3,090	2,183	1,968	688	29,862	6	25,620	6
Ohio	1,968	2,240	2,052	1,618	24,766	29	24,690	31
Oregon	1,042	1,034	864	959	13,238	6	12,568	6
Pennsylvania	2,912	3,676	3,603	3,851	40,787	26	39,725	26
Wisconsin	1,810	1,162	1,327	979	18,559	28	18,259	29
Other States ¹	42,501	40,496	34,594	34,695	528,289	269	513,872	269
United States	63,570	59,850	51,941	49,731	786,847	403	775,212	406
Atlantic	13,312	13,964	12,361	12,084	177,028	187	172,457	185
Central	35,447	32,597	27,966	26,519	420,811	160	411,813	166
West	14,811	13,289	11,614	11,128	189,008	56	190,942	55

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream Mix, Regular Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	4,818	4,965	6,789	6,715	6,780	6,948	6,052	6,032
Connecticut	850	959	1,304	1,164	1,201	1,436	1,330	1,252
Illinois	2,108	1,159	2,678	2,384	2,495	2,922	2,614	2,775
Indiana	1,580	1,999	2,010	2,217	1,855	2,256	2,145	2,042
Missouri	1,387	1,699	2,053	1,829	1,932	1,971	2,119	2,154
Ohio	703	878	1,208	1,056	1,169	1,283	1,290	1,259
Oregon	480	477	689	701	738	696	752	707
Pennsylvania	1,811	1,609	1,918	2,268	2,596	2,958	2,822	2,926
Wisconsin	991	1,080	1,246	1,266	1,361	1,625	1,565	1,614
Other States ¹	20,616	21,124	23,119	23,819	24,320	24,955	24,547	24,674
United States	35,344	35,949	43,014	43,419	44,447	47,050	45,236	45,435
Atlantic	8,572	9,573	10,747	10,715	11,722	12,798	13,268	12,574
Central	18,706	17,982	22,234	22,192	22,026	23,461	22,359	23,035
West	8,066	8,394	10,033	10,512	10,699	10,791	9,609	9,826

State and region	2016					2015		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	5,042	5,052	4,371	3,734	67,298	25	71,837	26
Connecticut	1,046	937	859	701	13,039	5	12,521	5
Illinois	2,023	2,196	1,975	1,856	27,185	10	36,562	14
Indiana	1,648	1,977	1,591	1,247	22,567	8	23,539	8
Missouri	2,001	1,472	1,316	720	20,653	6	14,666	6
Ohio	1,049	1,122	1,025	783	12,825	15	12,251	14
Oregon	573	557	486	517	7,373	7	6,980	7
Pennsylvania	2,076	2,320	2,148	2,260	27,712	18	27,161	16
Wisconsin	1,423	1,037	1,093	824	15,125	14	16,479	14
Other States ¹	21,026	19,475	16,945	16,131	260,751	160	242,616	163
United States	37,907	36,145	31,809	28,773	474,528	268	464,612	273
Atlantic	9,360	9,306	8,445	7,318	124,398	87	118,767	86
Central	20,169	18,663	16,149	14,861	241,837	123	237,097	126
West	8,378	8,176	7,215	6,594	108,293	58	108,748	61

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream, Lowfat (Total) Production by Month – States, United States and Regions: 2016 and Total 2015-2016

[Includes hard, soft-serve, and freezer-made milkshake. Contains less than 10 percent milkfat required for ice cream]

State and region	2016						
	January	February	March	April	May	June	July
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	1,575	2,090	2,499	2,511	2,639	2,713	2,433
Ohio	1,204	1,305	1,482	1,437	1,596	1,564	1,485
Pennsylvania	294	370	484	528	495	495	565
Texas	1,883	2,442	3,096	2,948	3,912	3,313	2,925
Other States ¹	24,685	26,247	33,132	32,833	31,764	34,918	33,668
United States	29,641	32,454	40,693	40,257	40,406	43,003	41,076
Atlantic	6,035	6,924	8,992	8,806	8,729	9,295	8,809
Central	19,835	20,913	26,310	26,081	25,960	28,120	26,898
West	3,771	4,617	5,391	5,370	5,717	5,588	5,369
State and region	2016						2015
	August	September	October	November	December	Total	Total
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	2,702	2,027	1,690	1,567	1,228	25,674	24,324
Ohio	1,409	1,248	1,265	1,091	1,135	16,221	16,270
Pennsylvania	553	484	500	376	301	5,445	6,020
Texas	3,324	2,490	2,122	1,887	1,925	32,267	32,390
Other States ¹	35,742	29,061	26,775	23,358	23,529	355,712	359,987
United States	43,730	35,310	32,352	28,279	28,118	435,319	438,991
Atlantic	9,643	7,475	7,706	6,668	6,898	95,980	100,302
Central	28,417	23,082	20,247	17,509	17,671	281,043	278,528
West	5,670	4,753	4,399	4,102	3,549	58,296	60,161

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream Mix, Lowfat Production by Month – States, United States, and Regions: 2016 and Total 2015-2016

[Includes milkshake mix]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	963	1,293	1,516	1,502	1,553	1,618	1,546	1,683
Massachusetts	153	285	312	394	393	448	419	330
Michigan	642	987	1,078	1,163	1,231	1,265	1,285	1,436
Ohio	346	512	661	650	808	816	705	729
Pennsylvania	235	303	437	453	444	485	504	496
Texas	690	954	1,119	1,045	1,306	1,173	1,081	1,205
Utah	137	126	152	114	161	114	129	91
Wisconsin	125	204	206	293	367	394	400	341
Other States ¹	10,919	12,932	17,493	16,199	15,867	18,194	17,299	18,820
United States	14,210	17,596	22,974	21,813	22,130	24,507	23,368	25,131
Atlantic	2,235	2,665	3,894	3,624	3,710	4,100	3,808	3,992
Central	9,973	12,358	16,118	15,225	15,255	17,277	16,465	17,873
West	2,002	2,573	2,962	2,964	3,165	3,130	3,095	3,266

State and region	2016					2015			
	September	October	November	December	Total	Plants	Total	Plants	
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)	
California	1,290	1,076	1,001	782	15,823	15	14,855	15	
Massachusetts	271	258	174	167	3,604	5	3,589	5	
Michigan	1,055	797	698	615	12,252	7	15,189	6	
Ohio	544	457	358	381	6,967	12	7,217	11	
Pennsylvania	395	377	281	211	4,621	11	4,711	10	
Texas	944	793	658	633	11,601	10	12,012	10	
Utah	92	94	79	60	1,349	5	1,445	5	
Wisconsin	276	173	176	162	3,117	4	1,577	4	
Other States ¹	13,979	13,169	11,930	11,407	178,208	99	183,857	111	
United States	18,846	17,194	15,355	14,418	237,542	168	244,452	177	
Atlantic	3,059	2,898	2,541	2,469	38,995	49	41,330	51	
Central	13,112	11,904	10,538	10,061	166,159	80	170,417	86	
West	2,675	2,392	2,276	1,888	32,388	39	32,705	40	

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Sherbet (Hard) Production by Month – United States and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	2,443	3,196	3,724	3,694	3,545	3,672	3,136	3,109
Atlantic	441	536	671	668	690	676	553	632
Central	1,395	1,823	1,974	2,071	1,713	2,020	1,739	1,833
West	607	837	1,079	955	1,142	976	844	644
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	3,368	2,584	1,939	2,154	36,564	148	39,497	151
Atlantic	610	505	487	443	6,912	62	7,096	63
Central	1,975	1,481	1,072	1,408	20,504	57	23,121	59
West	783	598	380	303	9,148	29	9,280	29

Sherbet Mix Production by Month – States, United States and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	113	208	267	207	298	256	227	190
Ohio	44	120	79	134	108	103	121	90
Pennsylvania	30	36	56	54	88	71	71	60
Texas	20	30	55	33	38	39	32	49
Wisconsin	8	49	16	28	15	11	27	13
Other States ¹	1,470	1,733	2,097	2,056	1,761	2,010	1,628	1,679
United States	1,685	2,176	2,570	2,512	2,308	2,490	2,106	2,081
Atlantic	288	327	429	453	427	434	372	369
Central	999	1,299	1,443	1,451	1,186	1,443	1,181	1,296
West	398	550	698	608	695	613	553	416
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	156	190	102	96	2,310	10	2,402	10
Ohio	115	86	79	79	1,158	7	1,216	7
Pennsylvania	47	38	50	47	648	9	623	7
Texas	30	24	28	17	395	4	495	6
Wisconsin	22	13	8	6	216	5	311	5
Other States ¹	1,927	1,367	1,048	1,220	19,996	77	21,481	84
United States	2,297	1,718	1,315	1,465	24,723	112	26,528	119
Atlantic	401	300	306	273	4,379	40	4,628	41
Central	1,395	1,031	752	978	14,454	45	15,877	50
West	501	387	257	214	5,890	27	6,023	28

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Frozen Yogurt Mix Production by Month – United States and Regions: 2016 and Total 2015-2016

State and region	2016						
	January	February	March	April	May	June	July
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	3,015	3,488	4,225	3,626	3,689	3,745	3,291
Atlantic	338	352	376	368	425	423	344
Central	1,032	1,123	1,369	1,130	1,269	1,240	1,302
West	1,645	2,013	2,480	2,128	1,995	2,082	1,645
State and region	2016						2015
	August	September	October	November	December	Total	Total
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	3,321	3,006	2,683	2,352	2,809	39,250	42,976
Atlantic	409	338	289	292	212	4,166	4,866
Central	1,273	1,073	954	882	1,016	13,663	14,437
West	1,639	1,595	1,440	1,178	1,581	21,421	23,673

Water and Juice Ices Production by Month – United States and Regions: 2016 and Total 2015-2016

[Does not include counter-freezer production]

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	3,836	4,755	6,044	6,272	6,372	7,511	6,306	5,999
Atlantic	1,139	1,805	2,579	2,706	2,963	3,614	3,071	2,774
Central	1,914	2,142	2,801	2,739	2,506	2,884	2,597	2,503
West	783	808	664	827	903	1,013	638	722
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	5,244	4,678	4,499	3,133	64,649	119	70,708	126
Atlantic	2,028	1,857	2,052	1,333	27,921	59	30,049	65
Central	2,503	1,942	1,745	1,424	27,700	46	32,140	47
West	713	879	702	376	9,028	14	8,519	14

Other Frozen Dairy Products Production by Month – United States and Regions: 2016 and Total 2015-2016

State and region	2016							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	815	925	1,219	1,201	1,330	1,237	899	1,072
Atlantic	321	282	493	478	535	632	348	478
Central	492	629	721	699	766	558	514	558
West	2	14	5	24	29	47	37	36
State and region	2016						2015	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	1,071	1,075	748	588	12,180	58	14,180	68
Atlantic	413	381	291	250	4,902	31	6,188	37
Central	626	671	448	326	7,008	25	7,789	29
West	32	23	9	12	270	2	203	2

Number of Dairy Plants Manufacturing One or More Dairy Products – States, United States, and Regions: 2012-2016

State and	2012	2013	2014	2015	2016
	(number)	(number)	(number)	(number)	(number)
Alabama	4	4	4	4	4
Alaska	2	2	1	1	1
Arizona	6	6	8	8	8
Arkansas	2	2	2	1	1
California	114	118	116	117	118
Colorado	10	10	9	7	7
Connecticut	22	26	27	27	27
Delaware	2	3	3	6	7
Florida	64	61	55	58	56
Georgia	9	6	6	6	7
Hawaii	6	6	6	6	6
Idaho	19	18	17	17	17
Illinois	36	34	35	35	36
Indiana	19	20	18	19	18
Iowa	22	22	22	21	22
Kansas	5	6	6	6	6
Kentucky	17	15	14	14	14
Louisiana	4	4	4	4	4
Maine	20	21	21	25	24
Maryland ¹	9	8	8	12	10
Massachusetts	25	32	34	37	37
Michigan	57	53	51	52	51
Minnesota	35	35	32	32	31
Mississippi	1	1	1	1	1
Missouri	15	14	13	17	17
Montana	8	7	7	7	7
Nebraska	8	8	7	7	7
Nevada	3	3	4	4	4
New Hampshire	9	9	10	10	10
New Jersey	57	54	57	51	51
New Mexico	6	6	6	6	6
New York	118	109	124	125	130
North Carolina	14	14	14	13	13
North Dakota	2	2	2	2	2
Ohio	70	69	69	66	65
Oklahoma	9	8	8	8	8
Oregon	20	19	20	19	19
Pennsylvania	79	79	84	81	79
Rhode Island	4	4	4	4	4
South Carolina	2	2	2	2	2
South Dakota	9	9	9	9	9
Tennessee	11	11	11	12	12
Texas	53	52	48	44	43
Utah	20	21	21	20	20
Vermont	34	34	35	35	36
Virginia	2	2	1	1	1
Washington	10	10	10	10	10
West Virginia	2	2	1	1	2
Wisconsin	206	204	202	203	202
Wyoming	-	-	-	-	-
United States	1,281	1,265	1,269	1,273	1,272
Atlantic	472	466	486	494	496
Central	585	573	558	557	553
West	224	226	225	222	223

- Represents zero.

¹ Includes District of Columbia.

Dairy Products Regions



Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2016, there were 1,272 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

Modes of data collection: Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

Terms and definitions: Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

Reliability: Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

Estimating Procedures: In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

Revision Policy: Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

Information Contacts

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