



Dairy Products

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July 2017 Highlights

Total cheese output (excluding cottage cheese) was 1.03 billion pounds, 1.0 percent above July 2016 but 0.3 percent below June 2017.

Italian type cheese production totaled 450 million pounds, 1.2 percent above July 2016 but 0.1 percent below June 2017.

American type cheese production totaled 402 million pounds, 0.2 percent above July 2016 but 0.4 percent below June 2017.

Butter production was 137 million pounds, 1.6 percent above July 2016 but 2.0 percent below June 2017.

Dry milk powders (comparisons with July 2016)

Nonfat dry milk, human - 148 million pounds, down 1.6 percent.

Skim milk powders - 50.2 million pounds, up 2.9 percent.

Whey products (comparisons with July 2016)

Dry whey, total - 99.2 million pounds, up 21.0 percent.

Lactose, human and animal - 99.3 million pounds, up 1.5 percent.

Whey protein concentrate, total - 41.7 million pounds, up 8.5 percent.

Frozen products (comparisons with July 2016)

Ice cream, regular (hard) - 70.6 million gallons, down 1.7 percent.

Ice cream, lowfat (total) - 42.5 million gallons, up 3.4 percent.

Sherbet (hard) - 2.97 million gallons, down 5.3 percent.

Frozen yogurt (total) - 5.43 million gallons, down 4.3 percent.

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Dairy Products Production by Product – United States: July 2016 and 2017

Product	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	135,160	140,157	137,285	1.6	-2.0
Cheese					
American types ¹	401,061	403,258	401,799	0.2	-0.4
Cheddar	284,173	287,357	286,431	0.8	-0.3
Other American types	116,888	115,901	115,368	-1.3	-0.5
Blue and Gorgonzola	7,283	8,094	7,913	8.7	-2.2
Brick and Muenster	16,390	15,918	18,065	10.2	13.5
Cream and Neufchatel	71,858	72,667	71,733	-0.2	-1.3
Feta	10,157	11,626	11,831	16.5	1.8
Gouda	4,047	4,491	4,107	1.5	-8.6
Hispanic	21,907	23,831	22,602	3.2	-5.2
Italian types	444,306	449,930	449,526	1.2	-0.1
Mozzarella	348,321	349,793	352,073	1.1	0.7
Parmesan	36,334	36,815	37,830	4.1	2.8
Provolone	33,787	33,891	33,677	-0.3	-0.6
Ricotta	15,915	17,781	15,136	-4.9	-14.9
Romano	4,452	4,697	4,717	6.0	0.4
Other Italian types	5,497	6,953	6,093	10.8	-12.4
Swiss	27,002	25,948	26,377	-2.3	1.7
All other types	13,081	13,875	13,005	-0.6	-6.3
Total cheese	1,017,092	1,029,638	1,026,958	1.0	-0.3
Cottage cheese, curd ²	33,004	32,409	33,760	2.3	4.2
Cottage cheese, cream ³	27,163	27,754	28,292	4.2	1.9
Cottage cheese, lowfat ⁴	30,359	27,804	29,590	-2.5	6.4
Sour cream	103,526	117,623	107,782	4.1	-8.4
Yogurt, plain and flavored	341,666	369,950	341,310	-0.1	-7.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	71,837	75,426	70,643	-1.7	-6.3
Ice cream, lowfat, hard	18,591	19,859	18,096	-2.7	-8.9
Ice cream, lowfat, soft	22,485	25,070	24,365	8.4	-2.8
Ice cream, lowfat, total	41,076	44,929	42,461	3.4	-5.5
Ice cream, nonfat, hard	529	551	511	-3.4	-7.3
Sherbet, hard	3,136	3,582	2,969	-5.3	-17.1
Frozen yogurt, total	5,676	6,057	5,432	-4.3	-10.3
Regular and lowfat, hard	2,016	1,649	1,756	-12.9	6.5
Nonfat, hard	590	627	606	2.7	-3.3
Other frozen dairy products	899	2,019	1,861	107.0	-7.8
Water and juice ices	6,306	7,708	6,980	10.7	-9.4
Mix for frozen products					
Ice cream, regular, mix	45,236	46,109	43,972	-2.8	-4.6
Ice cream, lowfat, mix	23,368	25,464	24,114	3.2	-5.3
Ice cream, nonfat, mix	522	568	526	0.8	-7.4
Sherbet mix	2,106	2,339	2,058	-2.3	-12.0
Yogurt mix	3,291	3,438	3,226	-2.0	-6.2

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Mostly used for processing into cream or lowfat cottage cheese.

³ Fat content 4 percent or more.

⁴ Fat content less than 4 percent.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
July 2016 and 2017**

Product	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	12,057	8,725	5,952	-50.6	-31.8
Dry whey products					
Dry whey, human	79,728	86,617	96,966	21.6	11.9
Dry whey, animal	2,224	1,447	2,222	-0.1	53.6
Dry whey, total	81,952	88,064	99,188	21.0	12.6
Reduced lactose and minerals					
Human	1,935	2,190	2,596	34.2	18.5
Animal	2,743	2,553	2,839	3.5	11.2
Whey protein concentrate					
Human ²	38,165	39,482	40,582	6.3	2.8
Animal ²	272	1,269	1,130	315.4	-11.0
Total ²	38,437	40,751	41,712	8.5	2.4
25.0-49.9 percent ³	14,746	15,288	14,892	1.0	-2.6
50.0-89.9 percent ³	23,691	25,463	26,820	13.2	5.3
Whey protein isolates ⁴	8,988	10,055	9,867	9.8	-1.9
Lactose, human and animal	97,841	97,069	99,261	1.5	2.3
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	69,282	82,721	95,088	37.2	15.0
Dry whey, animal	1,479	1,952	3,074	107.8	57.5
Dry whey, total	70,761	84,673	98,162	38.7	15.9
Reduced Lactose and minerals					
Human and animal ⁶	7,242	6,859	7,192	-0.7	4.9
Whey protein concentrate					
Human ²	60,728	67,454	68,380	12.6	1.4
Animal ²	610	1,239	1,603	162.8	29.4
Total ²	61,338	68,693	69,983	14.1	1.9
25.0-49.9 percent ³	25,176	24,579	24,252	-3.7	-1.3
50.0-89.9 percent ³	36,162	44,114	45,731	26.5	3.7
Whey protein isolates ⁴	18,278	25,152	25,849	41.4	2.8
Lactose, human and animal	127,116	137,404	144,462	13.6	5.1
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.5	31.6	14.1	-0.5	-17.5

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, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
July 2016 and 2017**

Product	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	155,908	147,855	155,208	-0.4	5.0
Dry milk products					
Dry buttermilk, total	7,285	8,044	7,890	8.3	-1.9
Dry skim milk, animal	689	1,085	1,150	66.9	6.0
Dry whole milk	8,334	7,953	9,787	17.4	23.1
Milk protein concentrate, total ¹	12,145	15,959	15,366	26.5	-3.7
Nonfat dry milk, human	150,873	163,344	148,422	-1.6	-9.1
Skim milk powder, total ²	48,814	39,997	50,215	2.9	25.5
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	18,618	16,025	15,817	-15.0	-1.3
Dry skim milk, animal	2,245	1,937	3,971	76.9	105.0
Dry whole milk	14,011	20,880	22,052	57.4	5.6
Nonfat dry milk, human	257,109	295,704	298,833	16.2	1.1
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	120,111	140,831	150,063	24.9	6.6

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ For dry products, shipments of bulk goods.

Dairy Products Production by Product and Month – United States: 2016 and 2017

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese						
January	1,024,566	1,044,983	2.0	1,024,566	1,044,983	2.0
February	948,740	942,361	-0.7	1,973,306	1,987,344	0.7
March	1,028,308	1,061,402	3.2	3,001,614	3,048,746	1.6
April	1,002,315	1,042,783	4.0	4,003,929	4,091,529	2.2
May	1,011,424	1,055,063	4.3	5,015,353	5,146,592	2.6
June	997,528	1,029,638	3.2	6,012,881	6,176,230	2.7
July	1,017,092	1,026,958	1.0	7,029,973	7,203,188	2.5
August	1,004,907			8,034,880		
September	987,256			9,022,136		
October	1,048,119			10,070,255		
November	1,025,928			11,096,183		
December	1,061,514			12,157,697		
Total American cheese types ¹						
January	401,810	417,584	3.9	401,810	417,584	3.9
February	367,399	373,688	1.7	769,209	791,272	2.9
March	401,665	415,940	3.6	1,170,874	1,207,212	3.1
April	398,307	423,774	6.4	1,569,181	1,630,986	3.9
May	402,266	426,550	6.0	1,971,447	2,057,536	4.4
June	392,168	403,258	2.8	2,363,615	2,460,794	4.1
July	401,061	401,799	0.2	2,764,676	2,862,593	3.5
August	392,532			3,157,208		
September	378,004			3,535,212		
October	401,681			3,936,893		
November	398,690			4,335,583		
December	420,617			4,756,200		
Cheddar cheese						
January	297,072	311,603	4.9	297,072	311,603	4.9
February	257,987	275,988	7.0	555,059	587,591	5.9
March	286,220	309,569	8.2	841,279	897,160	6.6
April	299,780	318,867	6.4	1,141,059	1,216,027	6.6
May	292,636	311,990	6.6	1,433,695	1,528,017	6.6
June	280,376	287,357	2.5	1,714,071	1,815,374	5.9
July	284,173	286,431	0.8	1,998,244	2,101,805	5.2
August	281,287			2,279,531		
September	270,531			2,550,062		
October	282,640			2,832,702		
November	284,679			3,117,381		
December	307,338			3,424,719		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	450,991	454,006	0.7	450,991	454,006	0.7
February	416,850	406,570	-2.5	867,841	860,576	-0.8
March	458,613	469,197	2.3	1,326,454	1,329,773	0.3
April	438,588	447,658	2.1	1,765,042	1,777,431	0.7
May	444,995	452,567	1.7	2,210,037	2,229,998	0.9
June	435,342	449,930	3.4	2,645,379	2,679,928	1.3
July	444,306	449,526	1.2	3,089,685	3,129,454	1.3
August	425,216			3,514,901		
September	429,204			3,944,105		
October	447,342			4,391,447		
November	438,866			4,830,313		
December	462,330			5,292,643		
Mozzarella						
January	352,402	352,375	-	352,402	352,375	-
February	325,516	314,758	-3.3	677,918	667,133	-1.6
March	358,031	361,564	1.0	1,035,949	1,028,697	-0.7
April	340,164	347,614	2.2	1,376,113	1,376,311	-
May	346,457	350,712	1.2	1,722,570	1,727,023	0.3
June	338,997	349,793	3.2	2,061,567	2,076,816	0.7
July	348,321	352,073	1.1	2,409,888	2,428,889	0.8
August	328,240			2,738,128		
September	333,318			3,071,446		
October	344,711			3,416,157		
November	339,289			3,755,446		
December	358,327			4,113,773		
Other Italian cheese types						
January	6,097	6,337	3.9	6,097	6,337	3.9
February	5,718	6,293	10.1	11,815	12,630	6.9
March	5,863	7,498	27.9	17,678	20,128	13.9
April	5,530	6,544	18.3	23,208	26,672	14.9
May	6,410	6,553	2.2	29,618	33,225	12.2
June	5,890	6,953	18.0	35,508	40,178	13.2
July	5,497	6,093	10.8	41,005	46,271	12.8
August	4,940			45,945		
September	6,465			52,410		
October	6,685			59,095		
November	6,593			65,688		
December	7,310			72,998		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	170,735	177,818	4.1	170,735	177,818	4.1
February	168,263	161,052	-4.3	338,998	338,870	-
March	174,907	176,067	0.7	513,905	514,937	0.2
April	171,199	162,519	-5.1	685,104	677,456	-1.1
May	166,017	163,524	-1.5	851,121	840,980	-1.2
June	147,696	140,157	-5.1	998,817	981,137	-1.8
July	135,160	137,285	1.6	1,133,977	1,118,422	-1.4
August	123,514			1,257,491		
September	135,273			1,392,764		
October	139,849			1,532,613		
November	143,077			1,675,690		
December	163,443			1,839,133		
Nonfat dry milk, human						
January	137,463	153,374	11.6	137,463	153,374	11.6
February	143,032	141,402	-1.1	280,495	294,776	5.1
March	172,110	159,742	-7.2	452,605	454,518	0.4
April	170,927	171,889	0.6	623,532	626,407	0.5
May	166,022	168,325	1.4	789,554	794,732	0.7
June	146,668	163,344	11.4	936,222	958,076	2.3
July	150,873	148,422	-1.6	1,087,095	1,106,498	1.8
August	117,674			1,204,769		
September	125,602			1,330,371		
October	140,051			1,470,422		
November	128,105			1,598,527		
December	154,980			1,753,507		
Skim milk powders ²						
January	51,225	55,264	7.9	51,225	55,264	7.9
February	40,201	40,031	-0.4	91,426	95,295	4.2
March	40,564	52,693	29.9	131,990	147,988	12.1
April	43,189	50,206	16.2	175,179	198,194	13.1
May	50,865	51,012	0.3	226,044	249,206	10.2
June	55,853	39,997	-28.4	281,897	289,203	2.6
July	48,814	50,215	2.9	330,711	339,418	2.6
August	46,426			377,137		
September	38,447			415,584		
October	41,475			457,059		
November	47,388			504,447		
December	54,726			559,173		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ³						
January	82,918	82,316	-0.7	82,918	82,316	-0.7
February	75,535	77,997	3.3	158,453	160,313	1.2
March	82,656	86,689	4.9	241,109	247,002	2.4
April	81,817	84,615	3.4	322,926	331,617	2.7
May	82,386	82,950	0.7	405,312	414,567	2.3
June	79,751	88,064	10.4	485,063	502,631	3.6
July	81,952	99,188	21.0	567,015	601,819	6.1
August	77,009			644,024		
September	75,517			719,541		
October	83,823			803,364		
November	73,315			876,679		
December	78,267			954,946		
Lactose, human and animal						
January	88,943	92,658	4.2	88,943	92,658	4.2
February	83,703	84,794	1.3	172,646	177,452	2.8
March	92,796	97,334	4.9	265,442	274,786	3.5
April	91,527	95,901	4.8	356,969	370,687	3.8
May	93,097	94,919	2.0	450,066	465,606	3.5
June	93,713	97,069	3.6	543,779	562,675	3.5
July	97,841	99,261	1.5	641,620	661,936	3.2
August	92,635			734,255		
September	94,882			829,137		
October	89,840			918,977		
November	86,913			1,005,890		
December	92,846			1,098,736		
Whey protein concentrate, total						
January	42,602	40,161	-5.7	42,602	40,161	-5.7
February	39,780	36,064	-9.3	82,382	76,225	-7.5
March	41,851	42,338	1.2	124,233	118,563	-4.6
April	39,030	42,890	9.9	163,263	161,453	-1.1
May	39,349	42,774	8.7	202,612	204,227	0.8
June	38,036	40,751	7.1	240,648	244,978	1.8
July	38,437	41,712	8.5	279,085	286,690	2.7
August	35,665			314,750		
September	36,745			351,495		
October	38,060			389,555		
November	39,268			428,823		
December	39,053			467,876		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	25,636	23,743	-7.4	25,636	23,743	-7.4
February	26,945	26,208	-2.7	52,581	49,951	-5.0
March	29,154	28,381	-2.7	81,735	78,332	-4.2
April	27,052	25,568	-5.5	108,787	103,900	-4.5
May	28,946	29,071	0.4	137,733	132,971	-3.5
June	28,335	27,754	-2.1	166,068	160,725	-3.2
July	27,163	28,292	4.2	193,231	189,017	-2.2
August	29,684			222,915		
September	27,782			250,697		
October	26,901			277,598		
November	26,041			303,639		
December	25,805			329,444		
Cottage cheese, lowfat						
January	30,270	26,988	-10.8	30,270	26,988	-10.8
February	30,311	28,297	-6.6	60,581	55,285	-8.7
March	34,486	30,809	-10.7	95,067	86,094	-9.4
April	30,326	29,731	-2.0	125,393	115,825	-7.6
May	32,490	31,324	-3.6	157,883	147,149	-6.8
June	30,751	27,804	-9.6	188,634	174,953	-7.3
July	30,359	29,590	-2.5	218,993	204,543	-6.6
August	32,260			251,253		
September	30,566			281,819		
October	29,954			311,773		
November	28,456			340,229		
December	27,586			367,815		
Sour cream						
January	106,503	111,173	4.4	106,503	111,173	4.4
February	106,171	100,873	-5.0	212,674	212,046	-0.3
March	115,470	115,459	-	328,144	327,505	-0.2
April	100,460	108,816	8.3	428,604	436,321	1.8
May	113,737	118,460	4.2	542,341	554,781	2.3
June	117,910	117,623	-0.2	660,251	672,404	1.8
July	103,526	107,782	4.1	763,777	780,186	2.1
August	114,546			878,323		
September	108,619			986,942		
October	123,458			1,110,400		
November	133,291			1,243,691		
December	129,367			1,373,058		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	59,344	57,108	-3.8	59,344	57,108	-3.8
February	61,786	58,971	-4.6	121,130	116,079	-4.2
March	72,870	75,411	3.5	194,000	191,490	-1.3
April	73,116	69,572	-4.8	267,116	261,062	-2.3
May	72,760	72,703	-0.1	339,876	333,765	-1.8
June	77,004	75,426	-2.0	416,880	409,191	-1.8
July	71,837	70,643	-1.7	488,717	479,834	-1.8
August	73,038			561,755		
September	63,570			625,325		
October	59,850			685,175		
November	51,941			737,116		
December	49,731			786,847		
Ice cream, lowfat total						
January	29,641	28,935	-2.4	29,641	28,935	-2.4
February	32,454	34,035	4.9	62,095	62,970	1.4
March	40,693	41,263	1.4	102,788	104,233	1.4
April	40,257	39,010	-3.1	143,045	143,243	0.1
May	40,406	43,609	7.9	183,451	186,852	1.9
June	43,003	44,929	4.5	226,454	231,781	2.4
July	41,076	42,461	3.4	267,530	274,242	2.5
August	43,730			311,260		
September	35,310			346,570		
October	32,352			378,922		
November	28,279			407,201		
December	28,118			435,319		
Sherbet, hard						
January	2,443	3,024	23.8	2,443	3,024	23.8
February	3,196	2,710	-15.2	5,639	5,734	1.7
March	3,724	3,530	-5.2	9,363	9,264	-1.1
April	3,694	3,463	-6.3	13,057	12,727	-2.5
May	3,545	3,290	-7.2	16,602	16,017	-3.5
June	3,672	3,582	-2.5	20,274	19,599	-3.3
July	3,136	2,969	-5.3	23,410	22,568	-3.6
August	3,109			26,519		
September	3,368			29,887		
October	2,584			32,471		
November	1,939			34,410		
December	2,154			36,564		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2016 and 2017 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	379,223	374,817	-1.2	379,223	374,817	-1.2
February	376,949	363,051	-3.7	756,172	737,868	-2.4
March	400,584	399,565	-0.3	1,156,756	1,137,433	-1.7
April	373,054	368,594	-1.2	1,529,810	1,506,027	-1.6
May	364,164	374,375	2.8	1,893,974	1,880,402	-0.7
June	378,544	369,950	-2.3	2,272,518	2,250,352	-1.0
July	341,666	341,310	-0.1	2,614,184	2,591,662	-0.9
August	399,394			3,013,578		
September	411,003			3,424,581		
October	361,120			3,785,701		
November	310,983			4,096,684		
December	359,135			4,455,819		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	5,065	4,817	-4.9	5,065	4,817	-4.9
February	5,802	5,124	-11.7	10,867	9,941	-8.5
March	7,204	7,459	3.5	18,071	17,400	-3.7
April	6,279	6,820	8.6	24,350	24,220	-0.5
May	6,321	6,056	-4.2	30,671	30,276	-1.3
June	6,404	6,057	-5.4	37,075	36,333	-2.0
July	5,676	5,432	-4.3	42,751	41,765	-2.3
August	5,675			48,426		
September	5,074			53,500		
October	4,550			58,050		
November	4,238			62,288		
December	4,638			66,926		

- Represents zero.

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Includes protein standardized and blends.

³ Excludes all modified dry whey products.

Total Cheese Production Excluding Cottage Cheese – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	213,619	207,181	213,040	-0.3	2.8
Idaho	82,929	82,768	76,249	-8.1	-7.9
Illinois	6,572	6,953	6,633	0.9	-4.6
Iowa	22,836	19,558	23,391	2.4	19.6
Minnesota	54,732	60,422	60,027	9.7	-0.7
New Jersey	4,915	5,031	4,693	-4.5	-6.7
New Mexico	65,767	63,635	63,776	-3.0	0.2
New York	63,621	69,046	60,040	-5.6	-13.0
Ohio	16,850	17,337	17,910	6.3	3.3
Pennsylvania	32,784	34,105	33,270	1.5	-2.4
South Dakota	23,815	23,658	22,475	-5.6	-5.0
Vermont	10,537	11,746	11,804	12.0	0.5
Wisconsin	271,932	271,234	273,861	0.7	1.0
Other States ¹	146,183	156,964	159,789	9.3	1.8
United States	1,017,092	1,029,638	1,026,958	1.0	-0.3
Atlantic	118,681	127,711	117,730	-0.8	-7.8
Central	459,794	467,386	474,074	3.1	1.4
West	438,617	434,541	435,154	-0.8	0.1

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

American Cheese Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,529	51,640	53,072	-0.9	2.8
Idaho	53,212	49,130	43,933	-17.4	-10.6
Iowa	14,124	12,878	11,965	-15.3	-7.1
New York	10,690	10,675	10,676	-0.1	-
Oregon	16,230	17,097	17,459	7.6	2.1
Pennsylvania	87	80	64	-26.4	-20.0
Wisconsin	80,101	77,389	77,300	-3.5	-0.1
Other States ¹	173,088	184,369	187,330	8.2	1.6
United States	401,061	403,258	401,799	0.2	-0.4
Atlantic	23,952	25,956	26,243	9.6	1.1
Central	191,040	198,913	197,473	3.4	-0.7
West	186,069	178,389	178,083	-4.3	-0.2

- Represents zero.

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

Cheddar Cheese Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	27,235	27,132	29,759	9.3	9.7
Idaho	43,061	39,956	33,094	-23.1	-17.2
Iowa	8,321	7,171	7,151	-14.1	-0.3
Minnesota	39,218	46,749	46,161	17.7	-1.3
Vermont	7,443	8,466	8,557	15.0	1.1
Wisconsin	54,479	51,711	52,400	-3.8	1.3
Other States ¹	104,416	106,172	109,309	4.7	3.0
United States	284,173	287,357	286,431	0.8	-0.3
Atlantic	23,059	25,120	25,198	9.3	0.3
Central	130,031	138,082	138,600	6.6	0.4
West	131,083	124,155	122,633	-6.4	-1.2

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

Total Italian Cheese Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	140,100	133,680	138,795	-0.9	3.8
Idaho	22,289	26,982	24,761	11.1	-8.2
New York	29,529	28,933	26,052	-11.8	-10.0
Pennsylvania	21,013	20,807	21,079	0.3	1.3
Wisconsin	137,996	144,375	142,480	3.2	-1.3
Other States ¹	93,379	95,153	96,359	3.2	1.3
United States	444,306	449,930	449,526	1.2	-0.1
Atlantic	55,343	54,512	51,683	-6.6	-5.2
Central	179,585	184,382	185,452	3.3	0.6
West	209,378	211,036	212,391	1.4	0.6

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

Mozzarella Cheese Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	126,735	121,276	124,980	-1.4	3.1
Idaho	20,931	26,002	23,626	12.9	-9.1
New York	17,652	16,039	14,633	-17.1	-8.8
Pennsylvania	18,295	18,087	18,251	-0.2	0.9
Wisconsin	94,648	93,786	96,200	1.6	2.6
Other States ¹	70,060	74,603	74,383	6.2	-0.3
United States	348,321	349,793	352,073	1.1	0.7
Atlantic	38,746	36,876	35,550	-8.2	-3.6
Central	116,570	116,710	120,759	3.6	3.5
West	193,005	196,207	195,764	1.4	-0.2

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

Butter Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,445	40,596	38,165	-12.2	-6.0
New York	1,504	1,532	1,497	-0.5	-2.3
Pennsylvania	7,898	7,406	7,419	-6.1	0.2
Other States ¹	82,313	90,623	90,204	9.6	-0.5
United States	135,160	140,157	137,285	1.6	-2.0
Atlantic	11,311	14,078	13,618	20.4	-3.3
Central	52,670	57,186	57,595	9.4	0.7
West	71,179	68,893	66,072	-7.2	-4.1

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

Nonfat Dry Milk (Human) Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	44,664	44,549	43,347	-2.9	-2.7
Pennsylvania	15,913	16,732	17,221	8.2	2.9
Other States ¹	90,296	102,063	87,854	-2.7	-13.9
United States	150,873	163,344	148,422	-1.6	-9.1
Atlantic	30,117	33,258	30,336	0.7	-8.8
Central	26,698	31,188	29,700	11.2	-4.8
West	94,058	98,898	88,386	-6.0	-10.6

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

Dry Whey (Human) Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,804	13,420	11,366	-3.7	-15.3
Wisconsin	26,953	31,000	32,093	19.1	3.5
Other States ¹	40,971	42,197	53,507	30.6	26.8
United States	79,728	86,617	96,966	21.6	11.9
Atlantic	20,147	22,927	20,592	2.2	-10.2
Central	38,871	42,434	44,008	13.2	3.7
West	20,710	21,256	32,366	56.3	52.3

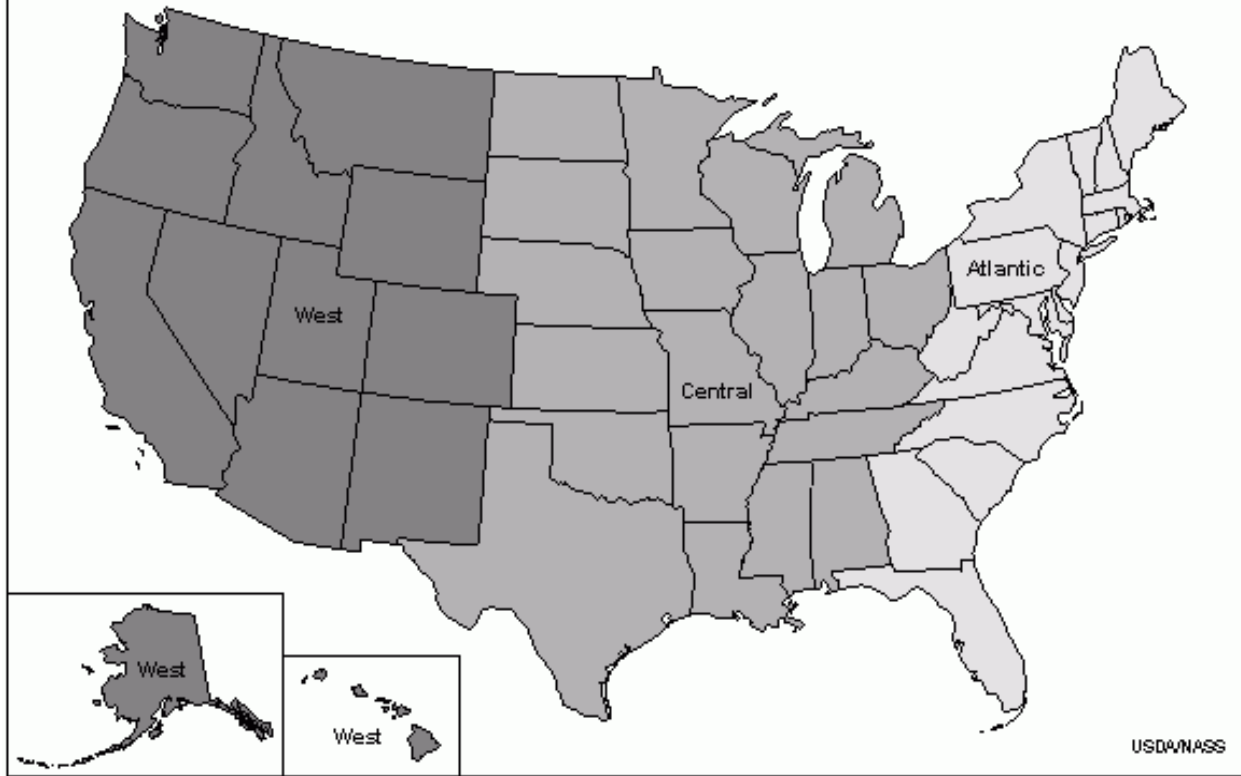
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream, Regular (Hard) Production – States and United States: July 2016 and 2017

State	July 2016	June 2017	July 2017	Change from	
				July 2016	June 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	10,263	10,920	10,206	-0.6	-6.5
Connecticut	1,276	1,261	1,008	-21.0	-20.1
Missouri	3,049	3,571	2,937	-3.7	-17.8
Ohio	2,587	2,256	2,225	-14.0	-1.4
Oregon	1,336	1,260	1,216	-9.0	-3.5
Pennsylvania	3,799	3,629	3,774	-0.7	4.0
Wisconsin	1,871	1,958	2,196	17.4	12.2
Other States ¹	47,656	50,571	47,081	-1.2	-6.9
United States	71,837	75,426	70,643	-1.7	-6.3
Atlantic	17,028	16,725	16,054	-5.7	-4.0
Central	38,382	41,324	38,290	-0.2	-7.3
West	16,427	17,377	16,299	-0.8	-6.2

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

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

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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