



# Dairy Products

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## June 2017 Highlights

**Total cheese** output (excluding cottage cheese) was 1.03 billion pounds, 3.2 percent above June 2016 but 2.5 percent below May 2017.

**Italian type cheese** production totaled 449 million pounds, 3.1 percent above June 2016 but 0.8 percent below May 2017.

**American type cheese** production totaled 404 million pounds, 3.0 percent above June 2016 but 5.3 percent below May 2017.

**Butter** production was 141 million pounds, 4.8 percent below June 2016 and 14.0 percent below May 2017.

### **Dry milk powders** (comparisons with June 2016)

Nonfat dry milk, human - 164 million pounds, up 11.6 percent.

Skim milk powders - 40.0 million pounds, down 28.4 percent.

### **Whey products** (comparisons with June 2016)

Dry whey, total - 87.6 million pounds, up 9.8 percent.

Lactose, human and animal - 96.7 million pounds, up 3.2 percent.

Whey protein concentrate, total - 39.9 million pounds, up 5.0 percent.

### **Frozen products** (comparisons with June 2016)

Ice cream, regular (hard) - 75.5 million gallons, down 2.0 percent.

Ice cream, lowfat (total) - 45.5 million gallons, up 5.8 percent.

Sherbet (hard) - 3.61 million gallons, down 1.8 percent.

Frozen yogurt (total) - 6.04 million gallons, down 5.8 percent.

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

Product	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	147,696	163,524	140,620	-4.8	-14.0
<b>Cheese</b>					
American types <sup>1</sup> .....	392,168	426,550	403,839	3.0	-5.3
Cheddar .....	280,376	311,990	288,105	2.8	-7.7
Other American types .....	111,792	114,560	115,734	3.5	1.0
Blue and Gorgonzola .....	8,082	8,541	8,061	-0.3	-5.6
Brick and Muenster .....	15,053	16,875	15,916	5.7	-5.7
Cream and Neufchatel .....	71,635	70,949	72,625	1.4	2.4
Feta .....	10,206	11,657	11,618	13.8	-0.3
Gouda .....	2,027	3,906	4,524	123.2	15.8
Hispanic .....	22,735	24,119	23,831	4.8	-1.2
Italian types .....	435,342	452,567	448,857	3.1	-0.8
Mozzarella .....	338,997	350,712	349,540	3.1	-0.3
Parmesan .....	34,343	37,257	36,551	6.4	-1.9
Provolone .....	34,196	32,296	33,892	-0.9	4.9
Ricotta .....	17,454	19,365	17,753	1.7	-8.3
Romano .....	4,462	6,384	4,740	6.2	-25.8
Other Italian types .....	5,890	6,553	6,381	8.3	-2.6
Swiss .....	27,140	25,990	25,981	-4.3	
All other types .....	13,140	13,909	13,862	5.5	-0.3
<b>Total cheese</b> .....	<b>997,528</b>	<b>1,055,063</b>	<b>1,029,114</b>	<b>3.2</b>	<b>-2.5</b>
Cottage cheese, curd <sup>2</sup> .....	33,896	35,552	32,409	-4.4	-8.8
Cottage cheese, cream <sup>3</sup> .....	28,335	29,071	27,436	-3.2	-5.6
Cottage cheese, lowfat <sup>4</sup> .....	30,751	31,324	27,934	-9.2	-10.8
Sour cream .....	117,910	118,460	117,687	-0.2	-0.7
Yogurt, plain and flavored .....	378,544	374,375	371,630	-1.8	-0.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	77,004	72,703	75,489	-2.0	3.8
Ice cream, lowfat, hard .....	19,131	19,982	20,316	6.2	1.7
Ice cream, lowfat, soft .....	23,872	23,627	25,173	5.4	6.5
Ice cream, lowfat, total .....	43,003	43,609	45,489	5.8	4.3
Ice cream, nonfat, hard .....	761	591	536	-29.6	-9.3
Sherbet, hard .....	3,672	3,290	3,607	-1.8	9.6
Frozen yogurt, total .....	6,404	6,056	6,035	-5.8	-0.3
Regular and lowfat, hard .....	2,080	1,944	1,615	-22.4	-16.9
Nonfat, hard .....	643	631	639	-0.6	1.3
Other frozen dairy products .....	1,237	2,066	2,019	63.2	-2.3
Water and juice ices .....	7,511	7,041	7,421	-1.2	5.4
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	47,050	43,144	46,025	-2.2	6.7
Ice cream, lowfat, mix .....	24,507	24,665	25,766	5.1	4.5
Ice cream, nonfat, mix .....	644	535	562	-12.7	5.0
Sherbet mix .....	2,490	2,138	2,361	-5.2	10.4
Yogurt mix .....	3,745	3,499	3,426	-8.5	-2.1

<sup>1</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>2</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>3</sup> Fat content 4 percent or more.

<sup>4</sup> Fat content less than 4 percent.

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

Product	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,736	9,476	8,725	-18.7	-7.9
Dry whey products					
Dry whey, human .....	78,132	81,836	86,148	10.3	5.3
Dry whey, animal .....	1,619	1,114	1,447	-10.6	29.9
Dry whey, total .....	79,751	82,950	87,595	9.8	5.6
Reduced lactose and minerals					
Human .....	2,465	2,885	2,190	-11.2	-24.1
Animal .....	2,384	2,761	2,553	7.1	-7.5
Whey protein concentrate					
Human <sup>2</sup> .....	37,793	42,360	39,450	4.4	-6.9
Animal <sup>2</sup> .....	243	414	472	94.2	14.0
Total <sup>2</sup> .....	38,036	42,774	39,922	5.0	-6.7
25.0-49.9 percent <sup>3</sup> .....	15,164	15,017	14,546	-4.1	-3.1
50.0-89.9 percent <sup>3</sup> .....	22,872	27,757	25,376	10.9	-8.6
Whey protein isolates <sup>4</sup> .....	8,582	9,599	9,735	13.4	1.4
Lactose, human and animal .....	93,713	94,919	96,727	3.2	1.9
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	72,960	85,990	81,885	12.2	-4.8
Dry whey, animal .....	1,454	1,832	1,954	34.4	6.7
Dry whey, total .....	74,414	87,822	83,839	12.7	-4.5
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	7,673	6,907	6,860	-10.6	-0.7
Whey protein concentrate					
Human <sup>2</sup> .....	64,497	66,953	66,916	3.8	-0.1
Animal <sup>2</sup> .....	468	899	959	104.9	6.7
Total <sup>2</sup> .....	64,965	67,852	67,875	4.5	-
25.0-49.9 percent <sup>3</sup> .....	25,417	24,917	24,038	-5.4	-3.5
50.0-89.9 percent <sup>3</sup> .....	39,548	42,935	43,837	10.8	2.1
Whey protein isolates <sup>4</sup> .....	17,468	25,470	25,238	44.5	-0.9
Lactose, human and animal .....	125,170	131,256	136,134	8.8	3.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	21.2	24.3	31.6	10.4	7.3

- Represents zero.

<sup>1</sup> 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.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> 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:  
June 2016 and 2017**

Product	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	151,089	149,467	147,479	-2.4	-1.3
Dry milk products					
Dry buttermilk, total .....	8,120	9,362	8,043	-0.9	-14.1
Dry skim milk, animal .....	834	1,111	1,119	34.2	0.7
Dry whole milk .....	6,203	7,389	7,953	28.2	7.6
Milk protein concentrate, total <sup>1</sup> .....	18,230	16,664	15,923	-12.7	-4.4
Nonfat dry milk, human .....	146,668	168,325	163,666	11.6	-2.8
Skim milk powder, total <sup>2</sup> .....	55,853	51,012	39,997	-28.4	-21.6
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	21,400	20,673	16,167	-24.5	-21.8
Dry skim milk, animal .....	2,439	1,915	1,905	-21.9	-0.5
Dry whole milk .....	15,573	22,877	20,880	34.1	-8.7
Nonfat dry milk, human .....	230,843	280,636	297,507	28.9	6.0
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	139,392	140,861	139,953	0.4	-0.6

<sup>1</sup> Dry milk protein concentrate, 40-89.9 percent.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> 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)
<b>Total cheese</b>						
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	1,029,114	3.2	6,012,881	6,175,706	2.7
July .....	1,017,092			7,029,973		
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		
<b>Total American cheese types <sup>1</sup></b>						
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	403,839	3.0	2,363,615	2,461,375	4.1
July .....	401,061			2,764,676		
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		
<b>Cheddar cheese</b>						
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	288,105	2.8	1,714,071	1,816,122	6.0
July .....	284,173			1,998,244		
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)
<b>Total Italian cheese types</b>						
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	448,857	3.1	2,645,379	2,678,855	1.3
July .....	444,306			3,089,685		
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		
<b>Mozzarella</b>						
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	349,540	3.1	2,061,567	2,076,563	0.7
July .....	348,321			2,409,888		
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		
<b>Other Italian cheese types</b>						
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	6,381	8.3	35,508	39,606	11.5
July .....	5,497			41,005		
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)
<b>Butter</b>						
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	140,620	-4.8	998,817	981,600	-1.7
July .....	135,160			1,133,977		
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		
<b>Nonfat dry milk, human</b>						
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	163,666	11.6	936,222	958,398	2.4
July .....	150,873			1,087,095		
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		
<b>Skim milk powders <sup>2</sup></b>						
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			330,711		
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)
<b>Dry whey, total <sup>3</sup></b>						
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	87,595	9.8	485,063	502,162	3.5
July .....	81,952			567,015		
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		
<b>Lactose, human and animal</b>						
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	96,727	3.2	543,779	562,333	3.4
July .....	97,841			641,620		
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		
<b>Whey protein concentrate, total</b>						
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	39,922	5.0	240,648	244,149	1.5
July .....	38,437			279,085		
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)
<b>Cottage cheese, cream</b>						
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	27,436	-3.2	166,068	160,407	-3.4
July .....	27,163			193,231		
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		
<b>Cottage cheese, lowfat</b>						
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	27,934	-9.2	188,634	175,083	-7.2
July .....	30,359			218,993		
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		
<b>Sour cream</b>						
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	117,687	-0.2	660,251	672,468	1.9
July .....	103,526			763,777		
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)
<b>Ice cream, regular hard</b>						
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	75,489	-2.0	416,880	409,254	-1.8
July .....	71,837			488,717		
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		
<b>Ice cream, lowfat total</b>						
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	45,489	5.8	226,454	232,341	2.6
July .....	41,076			267,530		
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		
<b>Sherbet, hard</b>						
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	3,607	-1.8	20,274	19,624	-3.2
July .....	3,136			23,410		
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	371,630	-1.8	2,272,518	2,252,032	-0.9
July .....	341,666			2,614,184		
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	6,035	-5.8	37,075	36,311	-2.1
July .....	5,676			42,751		
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.

<sup>1</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Excludes all modified dry whey products.

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

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	207,578	219,602	207,170	-0.2	-5.7
Idaho .....	81,243	79,073	82,933	2.1	4.9
Illinois .....	6,702	6,739	6,953	3.7	3.2
Iowa .....	19,233	21,564	19,489	1.3	-9.6
Minnesota .....	54,335	62,872	60,274	10.9	-4.1
New Jersey .....	4,886	4,262	5,031	3.0	18.0
New Mexico .....	59,654	66,093	63,635	6.7	-3.7
New York .....	66,805	71,239	69,002	3.3	-3.1
Ohio .....	17,909	18,987	17,337	-3.2	-8.7
Pennsylvania .....	33,235	33,303	34,088	2.6	2.4
South Dakota .....	23,389	24,238	23,659	1.2	-2.4
Vermont .....	10,464	12,224	11,733	12.1	-4.0
Wisconsin .....	267,456	275,073	270,901	1.3	-1.5
Other States <sup>1</sup> .....	144,639	159,794	156,909	8.5	-1.8
United States .....	997,528	1,055,063	1,029,114	3.2	-2.5
Atlantic .....	122,230	129,350	127,638	4.4	-1.3
Central .....	452,622	478,133	466,781	3.1	-2.4
West .....	422,676	447,580	434,695	2.8	-2.9

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

### American Cheese Production – States and United States: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	53,293	56,009	51,640	-3.1	-7.8
Idaho .....	49,220	53,992	49,569	0.7	-8.2
Iowa .....	12,448	13,207	12,878	3.5	-2.5
New York .....	10,856	10,982	10,675	-1.7	-2.8
Oregon .....	15,838	17,492	17,097	7.9	-2.3
Pennsylvania .....	87	70	63	-27.6	-10.0
Wisconsin .....	79,586	82,821	77,400	-2.7	-6.5
Other States <sup>1</sup> .....	170,840	191,977	184,517	8.0	-3.9
United States .....	392,168	426,550	403,839	3.0	-5.3
Atlantic .....	23,974	26,978	25,940	8.2	-3.8
Central .....	187,733	209,724	199,071	6.0	-5.1
West .....	180,461	189,848	178,828	-0.9	-5.8

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

### Cheddar Cheese Production – States and United States: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	27,550	30,933	27,132	-1.5	-12.3
Idaho .....	39,408	44,545	40,395	2.5	-9.3
Iowa .....	7,126	7,192	7,171	0.6	-0.3
Minnesota .....	39,149	48,949	47,079	20.3	-3.8
Vermont .....	7,414	8,924	8,466	14.2	-5.1
Wisconsin .....	54,074	56,228	51,700	-4.4	-8.1
Other States <sup>1</sup> .....	105,655	115,219	106,162	0.5	-7.9
United States .....	280,376	311,990	288,105	2.8	-7.7
Atlantic .....	23,143	26,108	25,120	8.5	-3.8
Central .....	127,850	147,937	138,391	8.2	-6.5
West .....	129,383	137,945	124,594	-3.7	-9.7

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

## Total Italian Cheese Production – States and United States: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	134,371	141,544	133,680	-0.5	-5.6
Idaho .....	25,579	18,973	26,982	5.5	42.2
New York .....	28,942	29,820	28,889	-0.2	-3.1
Pennsylvania .....	20,680	22,391	20,807	0.6	-7.1
Wisconsin .....	137,878	140,574	143,596	4.1	2.1
Other States <sup>1</sup> .....	87,892	99,265	94,903	8.0	-4.4
United States .....	435,342	452,567	448,857	3.1	-0.8
Atlantic .....	54,704	56,622	54,468	-0.4	-3.8
Central .....	178,568	183,573	183,353	2.7	-0.1
West .....	202,070	212,372	211,036	4.4	-0.6

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

## Mozzarella Cheese Production – States and United States: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	122,209	130,085	121,276	-0.8	-6.8
Idaho .....	23,542	17,971	26,002	10.4	44.7
New York .....	16,027	15,769	16,022	-	1.6
Pennsylvania .....	17,754	19,611	18,087	1.9	-7.8
Wisconsin .....	92,745	91,715	93,800	1.1	2.3
Other States <sup>1</sup> .....	66,720	75,561	74,353	11.4	-1.6
United States .....	338,997	350,712	349,540	3.1	-0.3
Atlantic .....	36,515	37,699	36,859	0.9	-2.2
Central .....	116,000	114,760	116,474	0.4	1.5
West .....	186,482	198,253	196,207	5.2	-1.0

- Represents zero.

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

### Butter Production – States and United States: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	46,035	45,828	40,516	-12.0	-11.6
New York .....	2,165	2,567	1,524	-29.6	-40.6
Pennsylvania .....	7,999	8,989	7,406	-7.4	-17.6
Other States <sup>1</sup> .....	91,497	106,140	91,174	-0.4	-14.1
United States .....	147,696	163,524	140,620	-4.8	-14.0
Atlantic .....	13,748	18,902	14,070	2.3	-25.6
Central .....	57,512	70,813	57,737	0.4	-18.5
West .....	76,436	73,809	68,813	-10.0	-6.8

<sup>1</sup> 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: June 2016 and 2017

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	38,004	41,683	44,549	17.2	6.9
Pennsylvania .....	18,075	18,242	16,732	-7.4	-8.3
Other States <sup>1</sup> .....	90,589	108,400	102,385	13.0	-5.5
United States .....	146,668	168,325	163,666	11.6	-2.8
Atlantic .....	36,764	37,498	33,281	-9.5	-11.2
Central .....	29,760	33,192	31,487	5.8	-5.1
West .....	80,144	97,635	98,898	23.4	1.3

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

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

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	13,265	12,998	13,420	1.2	3.2
Wisconsin .....	25,266	29,453	30,531	20.8	3.7
Other States <sup>1</sup> .....	39,601	39,385	42,197	6.6	7.1
United States .....	78,132	81,836	86,148	10.3	5.3
Atlantic .....	22,281	23,006	22,927	2.9	-0.3
Central .....	37,550	41,993	41,965	11.8	-0.1
West .....	18,301	16,837	21,256	16.1	26.2

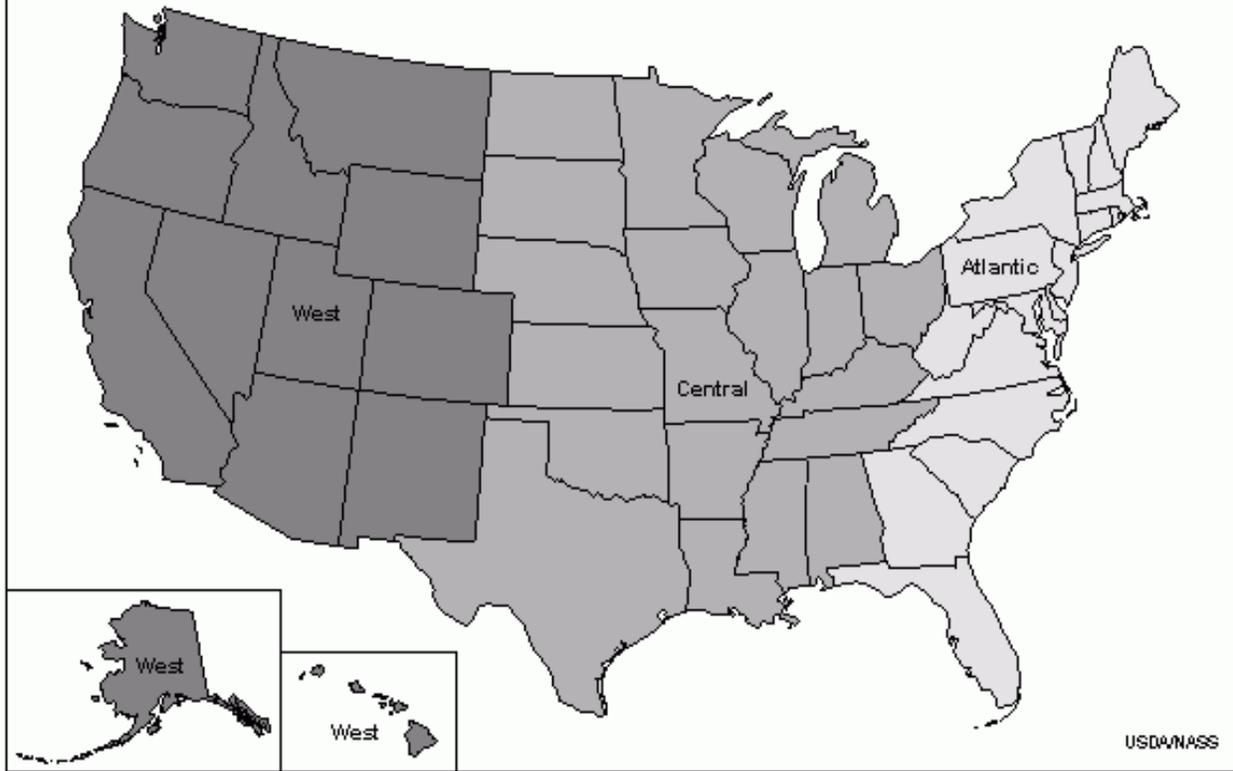
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	June 2016	May 2017	June 2017	Change from	
				June 2016	May 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	12,519	10,814	10,914	-12.8	0.9
Connecticut .....	1,346	1,334	1,281	-4.8	-4.0
Missouri .....	2,721	3,584	3,571	31.2	-0.4
Ohio .....	2,384	2,587	2,256	-5.4	-12.8
Oregon .....	1,260	1,287	1,260	0.0	-2.1
Pennsylvania .....	3,961	3,749	3,569	-9.9	-4.8
Wisconsin .....	2,018	1,718	1,958	-3.0	14.0
Other States <sup>1</sup> .....	50,795	47,630	50,680	-0.2	6.4
United States .....	77,004	72,703	75,489	-2.0	3.8
Atlantic .....	17,369	16,508	16,978	-2.3	2.8
Central .....	40,567	39,553	41,293	1.8	4.4
West .....	19,068	16,642	17,218	-9.7	3.5

<sup>1</sup> 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](mailto:nass@nass.usda.gov).

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Seth Riggins – Hogs and Pigs .....	(202) 720-3106

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