



# Dairy Products

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## October 2017 Highlights

**Total cheese** output (excluding cottage cheese) was 1.07 billion pounds, 1.7 percent above October 2016 and 5.2 percent above September 2017.

**Italian type cheese** production totaled 455 million pounds, 1.8 percent above October 2016 and 5.0 percent above September 2017.

**American type cheese** production totaled 418 million pounds, 4.0 percent above October 2016 and 6.0 percent above September 2017.

**Butter** production was 143 million pounds, 2.6 percent above October 2016 and 6.8 percent above September 2017.

### **Dry milk products** (comparisons with October 2016)

Nonfat dry milk, human - 149 million pounds, up 6.5 percent.

Skim milk powder - 23.8 million pounds, down 42.5 percent.

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

Dry whey, total - 80.7 million pounds, down 3.8 percent.

Lactose, human and animal - 93.5 million pounds, up 4.1 percent.

Whey protein concentrate, total - 40.9 million pounds, up 7.5 percent.

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

Ice cream, regular (hard) - 58.4 million gallons, down 2.5 percent.

Ice cream, lowfat (total) - 31.7 million gallons, down 2.0 percent.

Sherbet (hard) - 2.29 million gallons, down 11.3 percent.

Frozen yogurt (total) - 4.56 million gallons, up 0.1 percent.

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

Product	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	139,849	134,357	143,474	2.6	6.8
<b>Cheese</b>					
American types <sup>1</sup> .....	401,681	393,892	417,564	4.0	6.0
Cheddar .....	282,640	282,002	294,293	4.1	4.4
Other American types .....	119,041	111,890	123,271	3.6	10.2
Blue and Gorgonzola .....	7,493	6,967	8,055	7.5	15.6
Brick and Muenster .....	16,958	15,454	17,763	4.7	14.9
Cream and Neufchatel .....	93,187	85,209	80,838	-13.3	-5.1
Feta .....	11,576	10,160	12,586	8.7	23.9
Gouda .....	6,634	4,330	4,952	-25.4	14.4
Hispanic .....	22,868	22,103	26,009	13.7	17.7
Italian types .....	447,342	433,570	455,220	1.8	5.0
Mozzarella .....	344,711	333,695	347,981	0.9	4.3
Parmesan .....	31,793	33,378	37,452	17.8	12.2
Provolone .....	35,058	33,656	33,737	-3.8	0.2
Ricotta .....	24,251	22,110	24,782	2.2	12.1
Romano .....	4,844	4,106	5,121	5.7	24.7
Other Italian types .....	6,685	6,625	6,147	-8.0	-7.2
Swiss .....	26,016	25,455	26,499	1.9	4.1
All other types .....	14,364	16,201	16,280	13.3	0.5
<b>Total cheese</b> <sup>2</sup> .....	<b>1,048,119</b>	<b>1,013,341</b>	<b>1,065,766</b>	<b>1.7</b>	<b>5.2</b>
Cottage cheese, curd <sup>3</sup> .....	32,558	31,452	32,875	1.0	4.5
Cottage cheese, cream <sup>4</sup> .....	26,901	26,976	27,934	3.8	3.6
Cottage cheese, lowfat <sup>5</sup> .....	29,954	27,553	30,319	1.2	10.0
Sour cream .....	123,458	108,089	125,265	1.5	15.9
Yogurt, plain and flavored .....	361,120	386,285	351,876	-2.6	-8.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	59,850	60,924	58,383	-2.5	-4.2
Ice cream, lowfat, hard .....	15,268	15,115	15,436	1.1	2.1
Ice cream, lowfat, soft .....	17,084	17,436	16,269	-4.8	-6.7
Ice cream, lowfat, total .....	32,352	32,551	31,705	-2.0	-2.6
Ice cream, nonfat, hard .....	568	629	595	4.8	-5.4
Sherbet, hard .....	2,584	3,192	2,293	-11.3	-28.2
Frozen yogurt, total .....	4,550	4,899	4,555	0.1	-7.0
Regular and lowfat, hard .....	1,438	1,425	1,457	1.3	2.2
Nonfat, hard .....	489	518	475	-2.9	-8.3
Other frozen dairy products .....	1,075	1,794	1,776	65.2	-1.0
Water and juice ices .....	4,678	4,913	4,706	0.6	-4.2
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	36,145	35,386	40,057	10.8	13.2
Ice cream, lowfat, mix .....	17,194	18,396	17,866	3.9	-2.9
Ice cream, nonfat, mix .....	564	498	538	-4.6	8.0
Sherbet mix .....	1,718	2,304	1,527	-11.1	-33.7
Yogurt mix .....	2,683	2,866	2,782	3.7	-2.9

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

<sup>2</sup> Excludes Cottage Cheese.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

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

<sup>5</sup> Fat content less than 4 percent.

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

Product	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,309	5,908	6,490	-37.0	9.9
Dry whey products					
Dry whey, human .....	81,612	89,568	79,062	-3.1	-11.7
Dry whey, animal .....	2,211	1,734	1,598	-27.7	-7.8
Dry whey, total .....	83,823	91,302	80,660	-3.8	-11.7
Reduced lactose and minerals					
Human .....	2,839	2,765	2,280	-19.7	-17.5
Animal .....	3,053	2,471	2,864	-6.2	15.9
Whey protein concentrate					
Human <sup>2</sup> .....	37,817	38,643	40,166	6.2	3.9
Animal <sup>2</sup> .....	243	248	740	204.5	198.4
Total <sup>2</sup> .....	38,060	38,891	40,906	7.5	5.2
25.0-49.9 percent <sup>3</sup> .....	14,183	14,325	15,551	9.6	8.6
50.0-89.9 percent <sup>3</sup> .....	23,877	24,566	25,355	6.2	3.2
Whey protein isolates <sup>4</sup> .....	10,211	9,253	9,433	-7.6	1.9
Lactose, human and animal .....	89,840	95,016	93,512	4.1	-1.6
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	59,552	106,317	91,955	54.4	-13.5
Dry whey, animal .....	1,269	1,526	1,607	26.6	5.3
Dry whey, total .....	60,821	107,843	93,562	53.8	-13.2
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	7,261	7,143	6,577	-9.4	-7.9
Whey protein concentrate					
Human <sup>2</sup> .....	60,560	71,308	75,387	24.5	5.7
Animal <sup>2</sup> .....	672	403	907	35.0	125.1
Total <sup>2</sup> .....	61,232	71,711	76,294	24.6	6.4
25.0-49.9 percent <sup>3</sup> .....	20,774	23,106	23,807	14.6	3.0
50.0-89.9 percent <sup>3</sup> .....	40,458	48,605	52,487	29.7	8.0
Whey protein isolates <sup>4</sup> .....	21,598	26,760	28,318	31.1	5.8
Lactose, human and animal .....	112,382	153,059	139,994	24.6	-8.5
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	20.7	23.8	21.9	1.2	-1.9

<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:  
October 2016 and 2017**

Product	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	121,989	123,452	122,395	0.3	-0.9
Dry milk products					
Dry buttermilk, total .....	8,405	8,300	9,510	13.1	14.6
Dry skim milk, animal .....	783	915	1,199	53.1	31.0
Dry whole milk .....	6,887	10,569	10,291	49.4	-2.6
Milk protein concentrate, total <sup>1</sup> .....	11,133	10,888	11,544	3.7	6.0
Nonfat dry milk, human .....	140,051	133,485	149,169	6.5	11.7
Skim milk powder, total <sup>2</sup> .....	41,475	29,793	23,834	-42.5	-20.0
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	17,708	16,646	18,520	4.6	11.3
Dry skim milk, animal .....	1,813	4,275	2,321	28.0	-45.7
Dry whole milk .....	14,087	20,608	21,868	55.2	6.1
Nonfat dry milk, human .....	223,809	320,885	327,953	46.5	2.2
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	121,524	141,297	160,485	32.1	13.6

<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 <sup>1</sup></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	1,029,638	3.2	6,012,881	6,176,230	2.7
July .....	1,017,092	1,034,596	1.7	7,029,973	7,210,826	2.6
August .....	1,004,907	1,028,400	2.3	8,034,880	8,239,226	2.5
September .....	987,256	1,013,341	2.6	9,022,136	9,252,567	2.6
October .....	1,048,119	1,065,766	1.7	10,070,255	10,318,333	2.5
November .....	1,025,928			11,096,183		
December .....	1,061,514			12,157,697		
<b>Total American cheese types <sup>2</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	403,258	2.8	2,363,615	2,460,794	4.1
July .....	401,061	400,509	-0.1	2,764,676	2,861,303	3.5
August .....	392,532	398,766	1.6	3,157,208	3,260,069	3.3
September .....	378,004	393,892	4.2	3,535,212	3,653,961	3.4
October .....	401,681	417,564	4.0	3,936,893	4,071,525	3.4
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	287,357	2.5	1,714,071	1,815,374	5.9
July .....	284,173	285,133	0.3	1,998,244	2,100,507	5.1
August .....	281,287	283,813	0.9	2,279,531	2,384,320	4.6
September .....	270,531	282,002	4.2	2,550,062	2,666,322	4.6
October .....	282,640	294,293	4.1	2,832,702	2,960,615	4.5
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	449,930	3.4	2,645,379	2,679,928	1.3
July .....	444,306	451,732	1.7	3,089,685	3,131,660	1.4
August .....	425,216	436,258	2.6	3,514,901	3,567,918	1.5
September .....	429,204	433,570	1.0	3,944,105	4,001,488	1.5
October .....	447,342	455,220	1.8	4,391,447	4,456,708	1.5
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	349,793	3.2	2,061,567	2,076,816	0.7
July .....	348,321	352,474	1.2	2,409,888	2,429,290	0.8
August .....	328,240	335,818	2.3	2,738,128	2,765,108	1.0
September .....	333,318	333,695	0.1	3,071,446	3,098,803	0.9
October .....	344,711	347,981	0.9	3,416,157	3,446,784	0.9
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	6,953	18.0	35,508	40,178	13.2
July .....	5,497	6,093	10.8	41,005	46,271	12.8
August .....	4,940	5,719	15.8	45,945	51,990	13.2
September .....	6,465	6,625	2.5	52,410	58,615	11.8
October .....	6,685	6,147	-8.0	59,095	64,762	9.6
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	140,157	-5.1	998,817	981,137	-1.8
July .....	135,160	135,834	0.5	1,133,977	1,116,971	-1.5
August .....	123,514	131,188	6.2	1,257,491	1,248,159	-0.7
September .....	135,273	134,357	-0.7	1,392,764	1,382,516	-0.7
October .....	139,849	143,474	2.6	1,532,613	1,525,990	-0.4
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	163,344	11.4	936,222	958,076	2.3
July .....	150,873	148,073	-1.9	1,087,095	1,106,149	1.8
August .....	117,674	135,479	15.1	1,204,769	1,241,628	3.1
September .....	125,602	133,485	6.3	1,330,371	1,375,113	3.4
October .....	140,051	149,169	6.5	1,470,422	1,524,282	3.7
November .....	128,105			1,598,527		
December .....	154,980			1,753,507		
<b>Skim milk powder, total <sup>3</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	51,788	6.1	330,711	340,991	3.1
August .....	46,426	45,793	-1.4	377,137	386,784	2.6
September .....	38,447	29,793	-22.5	415,584	416,577	0.2
October .....	41,475	23,834	-42.5	457,059	440,411	-3.6
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>4</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	88,064	10.4	485,063	502,631	3.6
July .....	81,952	100,402	22.5	567,015	603,033	6.4
August .....	77,009	94,277	22.4	644,024	697,310	8.3
September .....	75,517	91,302	20.9	719,541	788,612	9.6
October .....	83,823	80,660	-3.8	803,364	869,272	8.2
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	97,069	3.6	543,779	562,675	3.5
July .....	97,841	99,539	1.7	641,620	662,214	3.2
August .....	92,635	97,226	5.0	734,255	759,440	3.4
September .....	94,882	95,016	0.1	829,137	854,456	3.1
October .....	89,840	93,512	4.1	918,977	947,968	3.2
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	40,751	7.1	240,648	244,978	1.8
July .....	38,437	42,040	9.4	279,085	287,018	2.8
August .....	35,665	38,106	6.8	314,750	325,124	3.3
September .....	36,745	38,891	5.8	351,495	364,015	3.6
October .....	38,060	40,906	7.5	389,555	404,921	3.9
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	27,754	-2.1	166,068	160,725	-3.2
July .....	27,163	27,774	2.2	193,231	188,499	-2.4
August .....	29,684	30,295	2.1	222,915	218,794	-1.8
September .....	27,782	26,976	-2.9	250,697	245,770	-2.0
October .....	26,901	27,934	3.8	277,598	273,704	-1.4
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	27,804	-9.6	188,634	174,953	-7.3
July .....	30,359	28,068	-7.5	218,993	203,021	-7.3
August .....	32,260	31,571	-2.1	251,253	234,592	-6.6
September .....	30,566	27,553	-9.9	281,819	262,145	-7.0
October .....	29,954	30,319	1.2	311,773	292,464	-6.2
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	117,623	-0.2	660,251	672,404	1.8
July .....	103,526	107,802	4.1	763,777	780,206	2.2
August .....	114,546	117,657	2.7	878,323	897,863	2.2
September .....	108,619	108,089	-0.5	986,942	1,005,952	1.9
October .....	123,458	125,265	1.5	1,110,400	1,131,217	1.9
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	75,426	-2.0	416,880	409,191	-1.8
July .....	71,837	70,705	-1.6	488,717	479,896	-1.8
August .....	73,038	73,477	0.6	561,755	553,373	-1.5
September .....	63,570	60,924	-4.2	625,325	614,297	-1.8
October .....	59,850	58,383	-2.5	685,175	672,680	-1.8
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	44,929	4.5	226,454	231,781	2.4
July .....	41,076	42,299	3.0	267,530	274,080	2.4
August .....	43,730	43,250	-1.1	311,260	317,330	2.0
September .....	35,310	32,551	-7.8	346,570	349,881	1.0
October .....	32,352	31,705	-2.0	378,922	381,586	0.7
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	3,582	-2.5	20,274	19,599	-3.3
July .....	3,136	2,978	-5.0	23,410	22,577	-3.6
August .....	3,109	3,483	12.0	26,519	26,060	-1.7
September .....	3,368	3,192	-5.2	29,887	29,252	-2.1
October .....	2,584	2,293	-11.3	32,471	31,545	-2.9
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)
<b>Yogurt, plain and flavored</b>						
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	342,213	0.2	2,614,184	2,592,565	-0.8
August .....	399,394	388,659	-2.7	3,013,578	2,981,224	-1.1
September .....	411,003	386,285	-6.0	3,424,581	3,367,509	-1.7
October .....	361,120	351,876	-2.6	3,785,701	3,719,385	-1.8
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)
<b>Frozen yogurt, total</b>						
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	5,475	-3.5	42,751	41,808	-2.2
August .....	5,675	5,503	-3.0	48,426	47,311	-2.3
September .....	5,074	4,899	-3.4	53,500	52,210	-2.4
October .....	4,550	4,555	0.1	58,050	56,765	-2.2
November .....	4,238			62,288		
December .....	4,638			66,926		

- Represents zero.

<sup>1</sup> Excludes Cottage Cheese.

<sup>2</sup> Includes Cheddar, Colby, Monterey, and Jack.

<sup>3</sup> Includes protein standardized and blends.

<sup>4</sup> Excludes all modified dry whey products.

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

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	213,442	193,986	211,980	-0.7	9.3
Idaho .....	83,883	80,551	85,007	1.3	5.5
Illinois .....	7,033	7,653	7,090	0.8	-7.4
Iowa .....	23,942	18,778	22,367	-6.6	19.1
Minnesota .....	53,477	55,798	59,167	10.6	6.0
New Jersey .....	5,345	5,104	5,158	-3.5	1.1
New Mexico .....	62,991	60,493	64,078	1.7	5.9
New York .....	76,639	78,168	76,589	-0.1	-2.0
Ohio .....	18,001	18,010	19,443	8.0	8.0
Pennsylvania .....	34,834	33,181	34,270	-1.6	3.3
South Dakota .....	24,962	23,925	24,061	-3.6	0.6
Vermont .....	11,295	11,985	11,455	1.4	-4.4
Wisconsin .....	279,732	271,536	287,525	2.8	5.9
Other States <sup>1</sup> .....	152,543	154,173	157,576	3.3	2.2
United States .....	1,048,119	1,013,341	1,065,766	1.7	5.2
Atlantic .....	135,173	136,194	134,920	-0.2	-0.9
Central .....	473,405	462,222	484,408	2.3	4.8
West .....	439,541	414,925	446,438	1.6	7.6

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	54,023	49,159	52,469	-2.9	6.7
Idaho .....	50,406	47,294	55,855	10.8	18.1
Iowa .....	15,667	11,920	12,058	-23.0	1.2
New York .....	10,688	10,273	10,687	-	4.0
Oregon .....	16,742	16,786	18,125	8.3	8.0
Pennsylvania .....	79	92	117	48.1	27.2
Wisconsin .....	79,408	78,003	84,000	5.8	7.7
Other States <sup>1</sup> .....	174,668	180,365	184,253	5.5	2.2
United States .....	401,681	393,892	417,564	4.0	6.0
Atlantic .....	24,422	25,562	25,299	3.6	-1.0
Central .....	196,273	194,882	205,115	4.5	5.3
West .....	180,986	173,448	187,150	3.4	7.9

- Represents zero.

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	27,851	29,721	28,109	0.9	-5.4
Idaho .....	39,837	38,283	42,090	5.7	9.9
Iowa .....	8,303	7,220	6,452	-22.3	-10.6
Minnesota .....	40,190	44,318	46,631	16.0	5.2
Vermont .....	7,875	8,312	7,972	1.2	-4.1
Wisconsin .....	54,080	52,074	57,200	5.8	9.8
Other States <sup>1</sup> .....	104,504	102,074	105,839	1.3	3.7
United States .....	282,640	282,002	294,293	4.1	4.4
Atlantic .....	23,428	24,003	23,954	2.2	-0.2
Central .....	131,338	134,598	142,388	8.4	5.8
West .....	127,874	123,401	127,951	0.1	3.7

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	137,642	123,775	133,398	-3.1	7.8
Idaho .....	26,321	26,549	22,338	-15.1	-15.9
New York .....	34,179	31,019	34,178	-	10.2
Pennsylvania .....	19,530	19,639	19,656	0.6	0.1
Wisconsin .....	138,422	141,535	145,256	4.9	2.6
Other States <sup>1</sup> .....	91,248	91,053	100,394	10.0	10.3
United States .....	447,342	433,570	455,220	1.8	5.0
Atlantic .....	58,808	55,468	58,918	0.2	6.2
Central .....	178,924	179,944	188,852	5.5	5.0
West .....	209,610	198,158	207,450	-1.0	4.7

- Represents zero.

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	125,146	112,836	121,080	-3.2	7.3
Idaho .....	24,700	25,404	20,985	-15.0	-17.4
New York .....	17,420	15,505	17,418	-	12.3
Pennsylvania .....	16,496	16,809	16,532	0.2	-1.6
Wisconsin .....	90,021	92,247	94,100	4.5	2.0
Other States <sup>1</sup> .....	70,928	70,894	77,866	9.8	9.8
United States .....	344,711	333,695	347,981	0.9	4.3
Atlantic .....	36,167	34,645	36,346	0.5	4.9
Central .....	114,808	114,656	119,348	4.0	4.1
West .....	193,736	184,394	192,287	-0.7	4.3

- 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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	42,246	36,099	43,780	3.6	21.3
New York .....	2,221	1,870	2,221	-	18.8
Pennsylvania .....	7,539	6,371	6,855	-9.1	7.6
Other States <sup>1</sup> .....	87,843	90,017	90,618	3.2	0.7
United States .....	139,849	134,357	143,474	2.6	6.8
Atlantic .....	13,649	12,649	14,477	6.1	14.5
Central .....	56,390	59,566	58,210	3.2	-2.3
West .....	69,810	62,142	70,787	1.4	13.9

- Represents zero.

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	43,891	37,040	53,005	20.8	43.1
Pennsylvania .....	16,572	13,034	14,505	-12.5	11.3
Other States <sup>1</sup> .....	79,588	83,411	81,659	2.6	-2.1
United States .....	140,051	133,485	149,169	6.5	11.7
Atlantic .....	28,369	22,113	24,637	-13.2	11.4
Central .....	28,671	26,341	24,138	-15.8	-8.4
West .....	83,011	85,031	100,394	20.9	18.1

<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: October 2016 and 2017

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,745	12,206	11,771	-7.6	-3.6
Wisconsin .....	25,925	29,436	26,706	3.0	-9.3
Other States <sup>1</sup> .....	42,942	47,926	40,585	-5.5	-15.3
United States .....	81,612	89,568	79,062	-3.1	-11.7
Atlantic .....	20,780	20,644	20,252	-2.5	-1.9
Central .....	36,570	39,969	38,357	4.9	-4.0
West .....	24,262	28,955	20,453	-15.7	-29.4

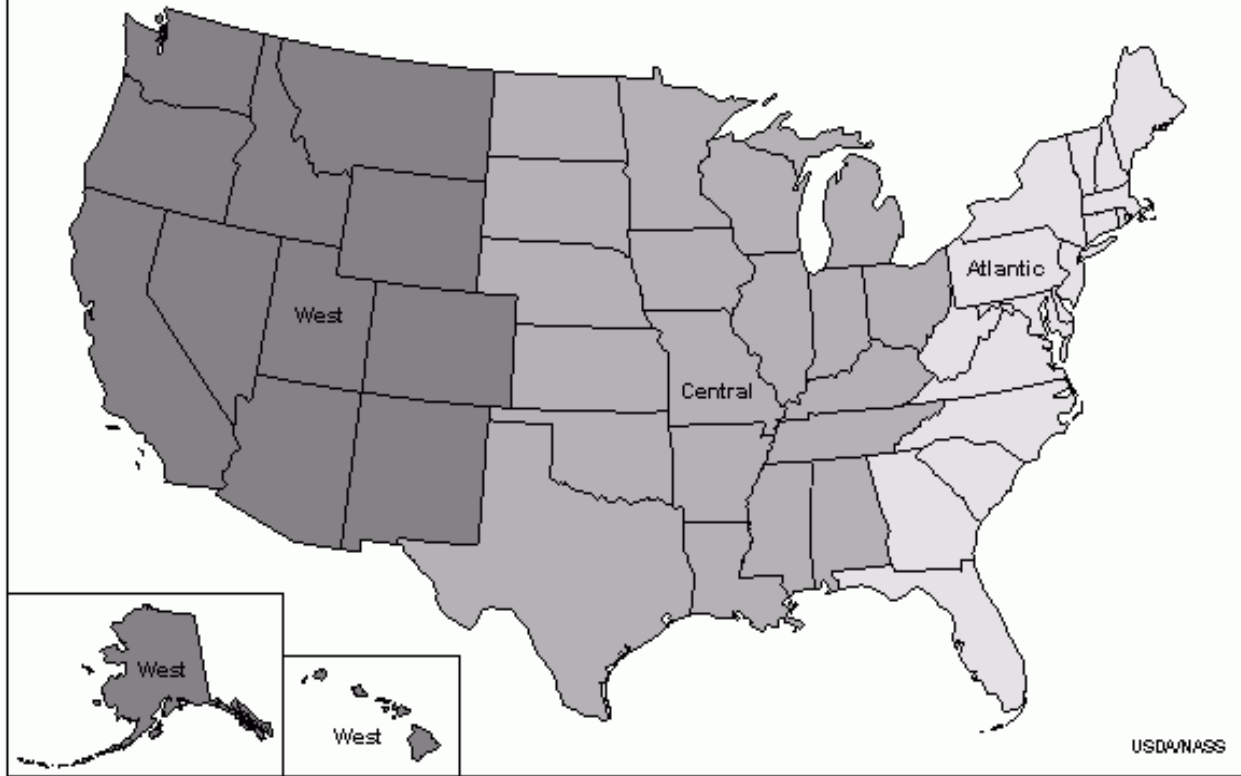
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	October 2016	September 2017	October 2017	Change from	
				October 2016	September 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	8,040	8,244	6,596	-18.0	-20.0
Connecticut .....	1,019	740	824	-19.1	11.4
Missouri .....	2,183	2,317	2,529	15.8	9.1
Ohio .....	2,240	1,998	2,136	-4.6	6.9
Oregon .....	1,034	988	1,096	6.0	10.9
Pennsylvania .....	3,676	3,332	3,479	-5.4	4.4
Wisconsin .....	1,162	1,485	961	-17.3	-35.3
Other States <sup>1</sup> .....	40,496	41,820	40,762	0.7	-2.5
United States .....	59,850	60,924	58,383	-2.5	-4.2
Atlantic .....	13,964	13,942	14,022	0.4	0.6
Central .....	32,597	33,815	32,724	0.4	-3.2
West .....	13,289	13,167	11,637	-12.4	-11.6

<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).

Travis Averill, Chief, Livestock Branch .....	(202) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 720-3240
Donnie Fike – Dairy Products .....	(202) 690-3236
Heidi Gleich – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Seth Riggins – Hogs and Pigs .....	(202) 720-3106
Vacant – Sheep and Goats .....	(202) 720-8784

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

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://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.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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United States Department of Agriculture

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