



# Dairy Products

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## September 2017 Highlights

**Total cheese** output (excluding cottage cheese) was 1.01 billion pounds, 2.7 percent above September 2016 but 1.4 percent below August 2017.

**Italian type cheese** production totaled 435 million pounds, 1.4 percent above September 2016 but 0.2 percent below August 2017.

**American type cheese** production totaled 394 million pounds, 4.2 percent above September 2016 but 1.3 percent below August 2017.

**Butter** production was 135 million pounds, 0.3 percent below September 2016 but 2.8 percent above August 2017.

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

Nonfat dry milk, human - 133 million pounds, up 6.2 percent.

Skim milk powder - 30.4 million pounds, down 21.0 percent.

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

Dry whey, total - 91.3 million pounds, up 20.8 percent.

Lactose, human and animal - 95.2 million pounds, up 0.3 percent.

Whey protein concentrate, total - 38.7 million pounds, up 5.3 percent.

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

Ice cream, regular (hard) - 61.3 million gallons, down 3.5 percent.

Ice cream, lowfat (total) - 33.0 million gallons, down 6.5 percent.

Sherbet (hard) - 3.15 million gallons, down 6.4 percent.

Frozen yogurt (total) - 4.91 million gallons, down 3.2 percent.

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

Product	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	135,273	131,188	134,830	-0.3	2.8
<b>Cheese</b>					
American types <sup>1</sup> .....	378,004	398,766	393,762	4.2	-1.3
Cheddar .....	270,531	283,813	282,783	4.5	-0.4
Other American types .....	107,473	114,953	110,979	3.3	-3.5
Blue and Gorgonzola .....	6,980	7,720	6,918	-0.9	-10.4
Brick and Muenster .....	15,159	16,814	15,220	0.4	-9.5
Cream and Neufchatel .....	78,673	87,699	85,014	8.1	-3.1
Feta .....	10,490	10,884	10,174	-3.0	-6.5
Gouda .....	5,911	4,810	4,331	-26.7	-10.0
Hispanic .....	22,918	24,334	21,625	-5.6	-11.1
Italian types .....	429,204	436,258	435,233	1.4	-0.2
Mozzarella .....	333,318	335,818	333,997	0.2	-0.5
Parmesan .....	29,196	34,899	34,341	17.6	-1.6
Provolone .....	33,919	34,489	33,656	-0.8	-2.4
Ricotta .....	22,289	21,024	22,110	-0.8	5.2
Romano .....	4,017	4,309	4,567	13.7	6.0
Other Italian types .....	6,465	5,719	6,562	1.5	14.7
Swiss .....	25,034	25,417	25,861	3.3	1.7
All other types .....	14,883	15,698	15,434	3.7	-1.7
<b>Total cheese</b> <sup>2</sup> .....	<b>987,256</b>	<b>1,028,400</b>	<b>1,013,572</b>	<b>2.7</b>	<b>-1.4</b>
Cottage cheese, curd <sup>3</sup> .....	39,669	35,664	31,876	-19.6	-10.6
Cottage cheese, cream <sup>4</sup> .....	27,782	30,295	26,895	-3.2	-11.2
Cottage cheese, lowfat <sup>5</sup> .....	30,566	31,571	28,645	-6.3	-9.3
Sour cream .....	108,619	117,657	108,564	-0.1	-7.7
Yogurt, plain and flavored .....	411,003	388,659	388,102	-5.6	-0.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	63,570	73,477	61,343	-3.5	-16.5
Ice cream, lowfat, hard .....	16,961	19,954	15,574	-8.2	-22.0
Ice cream, lowfat, soft .....	18,349	23,296	17,445	-4.9	-25.1
Ice cream, lowfat, total .....	35,310	43,250	33,019	-6.5	-23.7
Ice cream, nonfat, hard .....	502	694	629	25.3	-9.4
Sherbet, hard .....	3,368	3,483	3,151	-6.4	-9.5
Frozen yogurt, total .....	5,074	5,503	4,910	-3.2	-10.8
Regular and lowfat, hard .....	1,527	1,871	1,421	-6.9	-24.1
Nonfat, hard .....	577	589	519	-10.1	-11.9
Other frozen dairy products .....	1,071	2,050	1,804	68.4	-12.0
Water and juice ices .....	5,244	6,899	5,068	-3.4	-26.5
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	37,907	45,123	36,374	-4.0	-19.4
Ice cream, lowfat, mix .....	18,846	24,452	18,643	-1.1	-23.8
Ice cream, nonfat, mix .....	549	556	498	-9.3	-10.4
Sherbet mix .....	2,297	2,280	2,292	-0.2	0.5
Yogurt mix .....	3,006	3,088	2,880	-4.2	-6.7

<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:  
September 2016 and 2017**

Product	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,300	6,173	6,087	-40.9	-1.4
Dry whey products					
Dry whey, human .....	74,461	93,139	89,633	20.4	-3.8
Dry whey, animal .....	1,056	1,138	1,621	53.5	42.4
Dry whey, total .....	75,517	94,277	91,254	20.8	-3.2
Reduced lactose and minerals					
Human .....	2,671	1,962	2,870	7.5	46.3
Animal .....	2,634	2,539	1,668	-36.7	-34.3
Whey protein concentrate					
Human <sup>2</sup> .....	35,998	37,341	38,457	6.8	3.0
Animal <sup>2</sup> .....	747	765	235	-68.5	-69.3
Total <sup>2</sup> .....	36,745	38,106	38,692	5.3	1.5
25.0-49.9 percent <sup>3</sup> .....	13,298	13,468	14,265	7.3	5.9
50.0-89.9 percent <sup>3</sup> .....	23,447	24,638	24,427	4.2	-0.9
Whey protein isolates <sup>4</sup> .....	10,709	9,514	9,239	-13.7	-2.9
Lactose, human and animal .....	94,882	97,226	95,155	0.3	-2.1
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	50,608	98,055	105,016	107.5	7.1
Dry whey, animal .....	1,065	1,456	1,424	33.7	-2.2
Dry whey, total .....	51,673	99,511	106,440	106.0	7.0
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	7,801	7,119	7,392	-5.2	3.8
Whey protein concentrate					
Human <sup>2</sup> .....	57,566	70,189	70,952	23.3	1.1
Animal <sup>2</sup> .....	771	1,300	418	-45.8	-67.8
Total <sup>2</sup> .....	58,337	71,489	71,370	22.3	-0.2
25.0-49.9 percent <sup>3</sup> .....	20,672	22,915	23,136	11.9	1.0
50.0-89.9 percent <sup>3</sup> .....	37,665	48,574	48,234	28.1	-0.7
Whey protein isolates <sup>4</sup> .....	19,657	26,923	26,619	35.4	-1.1
Lactose, human and animal .....	124,111	160,803	153,052	23.3	-4.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	21.1	28.8	23.7	2.6	-5.1

<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:  
September 2016 and 2017**

Product	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	124,631	134,552	123,436	-1.0	-8.3
Dry milk products					
Dry buttermilk, total .....	8,021	7,510	8,222	2.5	9.5
Dry skim milk, animal .....	595	957	861	44.7	-10.0
Dry whole milk .....	6,921	8,865	10,601	53.2	19.6
Milk protein concentrate, total <sup>1</sup> .....	10,647	10,833	10,502	-1.4	-3.1
Nonfat dry milk, human .....	125,602	135,479	133,434	6.2	-1.5
Skim milk powder, total <sup>2</sup> .....	38,447	45,793	30,390	-21.0	-33.6
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	17,599	13,999	16,562	-5.9	18.3
Dry skim milk, animal .....	1,477	4,097	4,106	178.0	0.2
Dry whole milk .....	13,698	16,054	20,730	51.3	29.1
Nonfat dry milk, human .....	216,093	312,862	321,069	48.6	2.6
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	132,752	135,538	141,490	6.6	4.4

<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	1,013,572	2.7	9,022,136	9,252,798	2.6
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>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	393,762	4.2	3,535,212	3,653,831	3.4
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	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	282,783	4.5	2,550,062	2,667,103	4.6
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	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	435,233	1.4	3,944,105	4,003,151	1.5
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	349,793	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	333,997	0.2	3,071,446	3,099,105	0.9
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	6,953	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	6,562	1.5	52,410	58,552	11.7
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	140,157	-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	134,830	-0.3	1,392,764	1,382,989	-0.7
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	163,344	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	133,434	6.2	1,330,371	1,375,062	3.4
October .....	140,051			1,470,422		
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	30,390	-21.0	415,584	417,174	0.4
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>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	91,254	20.8	719,541	788,564	9.6
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	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	95,155	0.3	829,137	854,595	3.1
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	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	38,692	5.3	351,495	363,816	3.5
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	27,754	-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	26,895	-3.2	250,697	245,689	-2.0
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	27,804	-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	28,645	-6.3	281,819	263,237	-6.6
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	117,623	-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	108,564	-0.1	986,942	1,006,427	2.0
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	75,426	-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	61,343	-3.5	625,325	614,716	-1.7
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	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	33,019	-6.5	346,570	350,349	1.1
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	3,582	-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	3,151	-6.4	29,887	29,211	-2.3
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)
<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	388,102	-5.6	3,424,581	3,369,326	-1.6
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)
<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	4,910	-3.2	53,500	52,221	-2.4
October .....	4,550			58,050		
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:  
September 2016 and 2017**

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	203,198	208,681	193,960	-4.5	-7.1
Idaho .....	81,751	71,975	80,551	-1.5	11.9
Illinois .....	6,732	6,454	7,653	13.7	18.6
Iowa .....	19,054	21,353	19,036	-0.1	-10.9
Minnesota .....	52,898	58,705	56,392	6.6	-3.9
New Jersey .....	4,941	4,856	4,626	-6.4	-4.7
New Mexico .....	59,908	58,671	60,493	1.0	3.1
New York .....	70,305	77,793	77,401	10.1	-0.5
Ohio .....	17,144	18,208	18,010	5.1	-1.1
Pennsylvania .....	30,925	34,272	33,181	7.3	-3.2
South Dakota .....	21,488	24,142	24,488	14.0	1.4
Vermont .....	10,448	12,039	11,997	14.8	-0.3
Wisconsin .....	265,853	272,805	271,570	2.2	-0.5
Other States <sup>1</sup> .....	142,611	158,446	154,214	8.1	-2.7
United States .....	987,256	1,028,400	1,013,572	2.7	-1.4
Atlantic .....	122,990	136,958	134,959	9.7	-1.5
Central .....	444,177	469,458	463,717	4.4	-1.2
West .....	420,089	421,984	414,896	-1.2	-1.7

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	53,190	54,571	49,122	-7.6	-10.0
Idaho .....	49,184	46,495	47,294	-3.8	1.7
Iowa .....	13,258	12,962	11,920	-10.1	-8.0
New York .....	10,450	10,793	10,273	-1.7	-4.8
Oregon .....	16,407	16,692	16,786	2.3	0.6
Pennsylvania .....	104	76	92	-11.5	21.1
Wisconsin .....	72,448	75,010	77,500	7.0	3.3
Other States <sup>1</sup> .....	162,963	182,167	180,775	10.9	-0.8
United States .....	378,004	398,766	393,762	4.2	-1.3
Atlantic .....	22,969	26,212	25,565	11.3	-2.5
Central .....	179,396	194,541	194,786	8.6	0.1
West .....	175,639	178,013	173,411	-1.3	-2.6

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	27,937	30,881	29,681	6.2	-3.9
Idaho .....	36,558	34,834	38,283	4.7	9.9
Iowa .....	8,324	7,224	7,220	-13.3	-0.1
Minnesota .....	41,173	45,987	44,807	8.8	-2.6
Vermont .....	7,406	8,394	8,314	12.3	-1.0
Wisconsin .....	49,365	48,558	52,400	6.1	7.9
Other States <sup>1</sup> .....	99,768	107,935	102,078	2.3	-5.4
United States .....	270,531	283,813	282,783	4.5	-0.4
Atlantic .....	21,985	25,117	24,005	9.2	-4.4
Central .....	124,696	134,340	135,417	8.6	0.8
West .....	123,850	124,356	123,361	-0.4	-0.8

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	127,674	131,173	123,775	-3.1	-5.6
Idaho .....	26,134	18,408	26,549	1.6	44.2
New York .....	31,113	30,534	31,019	-0.3	1.6
Pennsylvania .....	18,747	19,959	19,639	4.8	-1.6
Wisconsin .....	140,822	143,605	142,395	1.1	-0.8
Other States <sup>1</sup> .....	84,714	92,579	91,856	8.4	-0.8
United States .....	429,204	436,258	435,233	1.4	-0.2
Atlantic .....	54,822	55,575	55,468	1.2	-0.2
Central .....	176,460	183,861	181,610	2.9	-1.2
West .....	197,922	196,822	198,155	0.1	0.7

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	118,325	120,535	112,836	-4.6	-6.4
Idaho .....	24,722	17,337	25,404	2.8	46.5
New York .....	15,787	15,536	15,505	-1.8	-0.2
Pennsylvania .....	16,020	16,939	16,809	4.9	-0.8
Wisconsin .....	92,455	94,662	92,300	-0.2	-2.5
Other States <sup>1</sup> .....	66,009	70,809	71,143	7.8	0.5
United States .....	333,318	335,818	333,997	0.2	-0.5
Atlantic .....	34,371	35,361	34,645	0.8	-2.0
Central .....	113,773	116,979	114,961	1.0	-1.7
West .....	185,174	183,478	184,391	-0.4	0.5

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	39,971	38,671	36,099	-9.7	-6.7
New York .....	1,793	1,365	1,860	3.7	36.3
Pennsylvania .....	7,010	4,296	6,371	-9.1	48.3
Other States <sup>1</sup> .....	86,499	86,856	90,500	4.6	4.2
United States .....	135,273	131,188	134,830	-0.3	2.8
Atlantic .....	13,523	10,060	12,639	-6.5	25.6
Central .....	56,270	54,944	60,048	6.7	9.3
West .....	65,480	66,184	62,143	-5.1	-6.1

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	41,801	36,208	37,040	-11.4	2.3
Pennsylvania .....	11,658	12,788	13,034	11.8	1.9
Other States <sup>1</sup> .....	72,143	86,483	83,360	15.5	-3.6
United States .....	125,602	135,479	133,434	6.2	-1.5
Atlantic .....	19,269	25,463	22,113	14.8	-13.2
Central .....	24,599	26,185	26,290	6.9	0.4
West .....	81,734	83,831	85,031	4.0	1.4

<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: September 2016 and 2017

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	13,151	12,363	12,683	-3.6	2.6
Wisconsin .....	24,504	30,190	28,604	16.7	-5.3
Other States <sup>1</sup> .....	36,806	50,586	48,346	31.4	-4.4
United States .....	74,461	93,139	89,633	20.4	-3.8
Atlantic .....	20,523	21,244	21,121	2.9	-0.6
Central .....	35,473	41,833	39,557	11.5	-5.4
West .....	18,465	30,062	28,955	56.8	-3.7

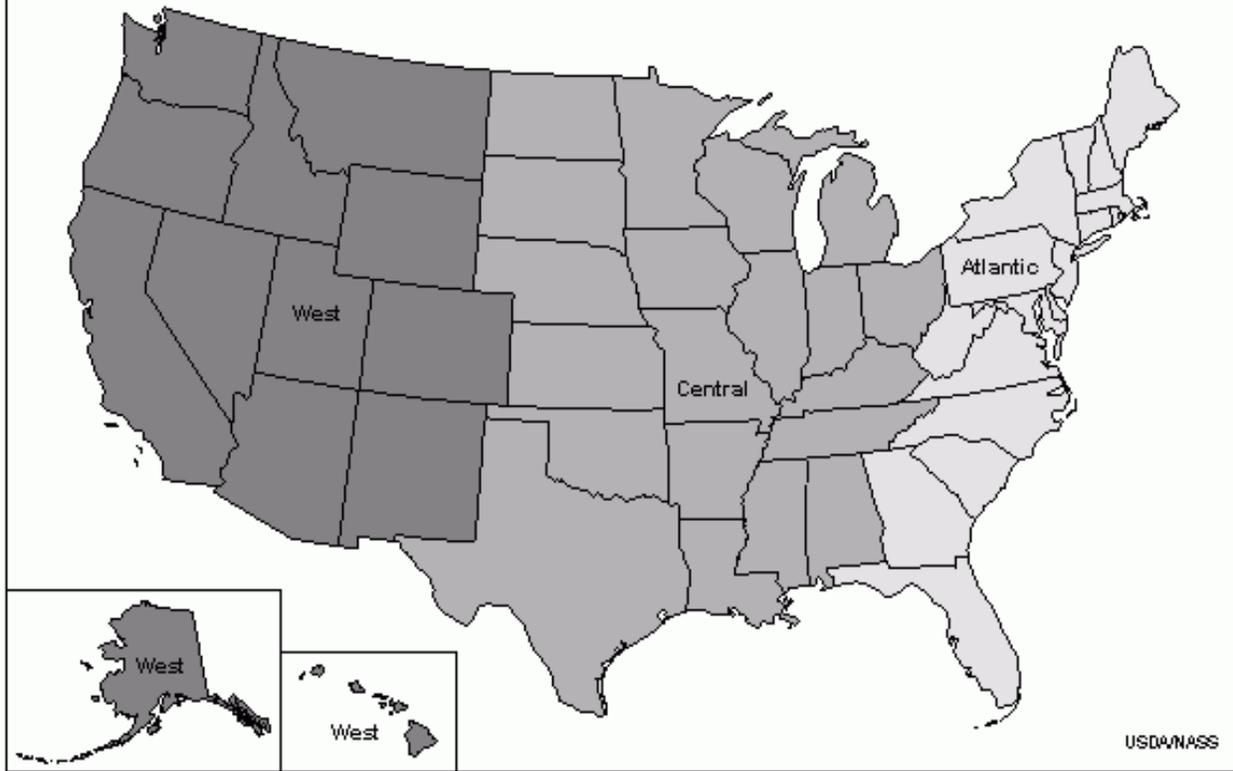
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	September 2016	August 2017	September 2017	Change from	
				September 2016	August 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	9,133	11,086	8,244	-9.7	-25.6
Connecticut .....	1,114	1,144	747	-32.9	-34.7
Missouri .....	3,090	3,456	2,317	-25.0	-33.0
Ohio .....	1,968	2,746	1,998	1.5	-27.2
Oregon .....	1,042	1,092	988	-5.2	-9.5
Pennsylvania .....	2,912	3,650	3,332	14.4	-8.7
Wisconsin .....	1,810	1,808	1,528	-15.6	-15.5
Other States <sup>1</sup> .....	42,501	48,495	42,189	-0.7	-13.0
United States .....	63,570	73,477	61,343	-3.5	-16.5
Atlantic .....	13,312	16,534	14,010	5.2	-15.3
Central .....	35,447	40,501	33,899	-4.4	-16.3
West .....	14,811	16,442	13,434	-9.3	-18.3

<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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