



# Dairy Products

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## August 2017 Highlights

**Total cheese** output (excluding cottage cheese) was 1.03 billion pounds, 2.3 percent above August 2016 but 0.7 percent below July 2017.

**Italian type cheese** production totaled 436 million pounds, 2.5 percent above August 2016 but 3.5 percent below July 2017.

**American type cheese** production totaled 399 million pounds, 1.5 percent above August 2016 but 0.5 percent below July 2017.

**Butter** production was 131 million pounds, 6.2 percent above August 2016 but 3.4 percent below July 2017.

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

Nonfat dry milk, human - 136 million pounds, up 15.9 percent.

Skim milk powders - 45.6 million pounds, down 1.8 percent.

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

Dry whey, total - 95.8 million pounds, up 24.5 percent.

Lactose, human and animal - 97.8 million pounds, up 5.6 percent.

Whey protein concentrate, total - 37.9 million pounds, up 6.3 percent.

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

Ice cream, regular (hard) - 74.2 million gallons, up 1.5 percent.

Ice cream, lowfat (total) - 41.8 million gallons, down 4.3 percent.

Sherbet (hard) - 3.43 million gallons, up 10.4 percent.

Frozen yogurt (total) - 5.69 million gallons, up 0.2 percent.

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

Product	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	123,514	135,834	131,188	6.2	-3.4
<b>Cheese</b>					
American types <sup>1</sup> .....	392,532	400,509	398,556	1.5	-0.5
Cheddar .....	281,287	285,133	284,726	1.2	-0.1
Other American types .....	111,245	115,376	113,830	2.3	-1.3
Blue and Gorgonzola .....	8,194	7,906	7,719	-5.8	-2.4
Brick and Muenster .....	15,164	17,909	16,852	11.1	-5.9
Cream and Neufchatel .....	84,944	77,562	87,419	2.9	12.7
Feta .....	11,042	11,943	10,871	-1.5	-9.0
Gouda .....	5,546	4,142	4,791	-13.6	15.7
Hispanic .....	22,716	22,530	24,397	7.4	8.3
Italian types .....	425,216	451,732	436,022	2.5	-3.5
Mozzarella .....	328,240	352,474	335,798	2.3	-4.7
Parmesan .....	32,038	37,831	34,896	8.9	-7.8
Provolone .....	34,094	34,316	34,477	1.1	0.5
Ricotta .....	21,994	16,301	20,791	-5.5	27.5
Romano .....	3,910	4,717	4,329	10.7	-8.2
Other Italian types .....	4,940	6,093	5,731	16.0	-5.9
Swiss .....	25,403	26,520	25,525	0.5	-3.8
All other types .....	14,150	13,843	15,573	10.1	12.5
<b>Total cheese</b> .....	<b>1,004,907</b>	<b>1,034,596</b>	<b>1,027,725</b>	<b>2.3</b>	<b>-0.7</b>
Cottage cheese, curd <sup>2</sup> .....	35,510	33,099	36,347	2.4	9.8
Cottage cheese, cream <sup>3</sup> .....	29,684	27,774	30,302	2.1	9.1
Cottage cheese, lowfat <sup>4</sup> .....	32,260	28,068	31,574	-2.1	12.5
Sour cream .....	114,546	107,802	118,126	3.1	9.6
Yogurt, plain and flavored .....	399,394	342,213	388,131	-2.8	13.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	73,038	70,705	74,165	1.5	4.9
Ice cream, lowfat, hard .....	20,060	17,948	18,396	-8.3	2.5
Ice cream, lowfat, soft .....	23,670	24,351	23,450	-0.9	-3.7
Ice cream, lowfat, total .....	43,730	42,299	41,846	-4.3	-1.1
Ice cream, nonfat, hard .....	635	563	679	6.9	20.6
Sherbet, hard .....	3,109	2,978	3,433	10.4	15.3
Frozen yogurt, total .....	5,675	5,475	5,689	0.2	3.9
Regular and lowfat, hard .....	2,109	1,799	2,060	-2.3	14.5
Nonfat, hard .....	523	606	586	12.0	-3.3
Other frozen dairy products .....	1,072	1,873	1,962	83.0	4.8
Water and juice ices .....	5,999	6,998	6,643	10.7	-5.1
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	45,435	43,461	45,635	0.4	5.0
Ice cream, lowfat, mix .....	25,131	24,028	23,724	-5.6	-1.3
Ice cream, nonfat, mix .....	594	531	547	-7.9	3.0
Sherbet mix .....	2,081	2,039	2,235	7.4	9.6
Yogurt mix .....	3,321	3,246	3,196	-3.8	-1.5

<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:  
August 2016 and 2017**

Product	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,920	5,834	6,004	-45.0	2.9
Dry whey products					
Dry whey, human .....	74,512	98,674	94,657	27.0	-4.1
Dry whey, animal .....	2,497	1,728	1,182	-52.7	-31.6
Dry whey, total .....	77,009	100,402	95,839	24.5	-4.5
Reduced lactose and minerals					
Human .....	2,705	2,596	1,833	-32.2	-29.4
Animal .....	2,324	3,002	2,582	11.1	-14.0
Whey protein concentrate					
Human <sup>2</sup> .....	35,460	40,910	36,798	3.8	-10.1
Animal <sup>2</sup> .....	205	1,130	1,107	440.0	-2.0
Total <sup>2</sup> .....	35,665	42,040	37,905	6.3	-9.8
25.0-49.9 percent <sup>3</sup> .....	12,964	14,892	13,807	6.5	-7.3
50.0-89.9 percent <sup>3</sup> .....	22,701	27,148	24,098	6.2	-11.2
Whey protein isolates <sup>4</sup> .....	8,415	9,801	9,864	17.2	0.6
Lactose, human and animal .....	92,635	99,539	97,847	5.6	-1.7
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	57,589	95,038	97,077	68.6	2.1
Dry whey, animal .....	1,176	3,074	2,535	115.6	-17.5
Dry whey, total .....	58,765	98,112	99,612	69.5	1.5
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	7,615	7,222	6,752	-11.3	-6.5
Whey protein concentrate					
Human <sup>2</sup> .....	63,244	68,742	68,667	8.6	-0.1
Animal <sup>2</sup> .....	452	1,611	1,137	151.5	-29.4
Total <sup>2</sup> .....	63,696	70,353	69,804	9.6	-0.8
25.0-49.9 percent <sup>3</sup> .....	23,869	24,222	22,952	-3.8	-5.2
50.0-89.9 percent <sup>3</sup> .....	39,827	46,131	46,852	17.6	1.6
Whey protein isolates <sup>4</sup> .....	16,973	25,422	27,066	59.5	6.5
Lactose, human and animal .....	131,902	145,121	159,127	20.6	9.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	16.3	19.3	28.8	12.5	9.5

<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:  
August 2016 and 2017**

Product	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	141,268	147,062	134,552	-4.8	-8.5
Dry milk products					
Dry buttermilk, total .....	6,774	7,909	7,510	10.9	-5.0
Dry skim milk, animal .....	942	1,180	957	1.6	-18.9
Dry whole milk .....	6,716	9,717	8,918	32.8	-8.2
Milk protein concentrate, total <sup>1</sup> .....	9,892	15,366	10,833	9.5	-29.5
Nonfat dry milk, human .....	117,674	148,073	136,380	15.9	-7.9
Skim milk powder, total <sup>2</sup> .....	46,426	51,788	45,611	-1.8	-11.9
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	16,164	15,878	13,999	-13.4	-11.8
Dry skim milk, animal .....	2,019	4,355	4,097	102.9	-5.9
Dry whole milk .....	12,898	21,861	16,063	24.5	-26.5
Nonfat dry milk, human .....	234,903	295,906	307,814	31.0	4.0
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	133,120	154,584	134,061	0.7	-13.3

<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	1,029,638	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	1,027,725	2.3	8,034,880	8,238,551	2.5
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	403,258	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	398,556	1.5	3,157,208	3,259,859	3.3
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	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	284,726	1.2	2,279,531	2,385,233	4.6
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	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	436,022	2.5	3,514,901	3,567,682	1.5
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	349,793	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	335,798	2.3	2,738,128	2,765,088	1.0
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	6,953	18.0	35,508	40,178	13.2
July .....	5,497	6,093	10.8	41,005	46,271	12.8
August .....	4,940	5,731	16.0	45,945	52,002	13.2
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	140,157	-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			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	163,344	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	136,380	15.9	1,204,769	1,242,529	3.1
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	51,788	6.1	330,711	340,991	3.1
August .....	46,426	45,611	-1.8	377,137	386,602	2.5
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	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	95,839	24.5	644,024	698,872	8.5
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	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	97,847	5.6	734,255	760,061	3.5
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	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	37,905	6.3	314,750	324,923	3.2
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	27,754	-2.1	166,068	160,725	-3.2
July .....	27,163	27,774	2.2	193,231	188,499	-2.4
August .....	29,684	30,302	2.1	222,915	218,801	-1.8
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	27,804	-9.6	188,634	174,953	-7.3
July .....	30,359	28,068	-7.5	218,993	203,021	-7.3
August .....	32,260	31,574	-2.1	251,253	234,595	-6.6
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	117,623	-0.2	660,251	672,404	1.8
July .....	103,526	107,802	4.1	763,777	780,206	2.2
August .....	114,546	118,126	3.1	878,323	898,332	2.3
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	75,426	-2.0	416,880	409,191	-1.8
July .....	71,837	70,705	-1.6	488,717	479,896	-1.8
August .....	73,038	74,165	1.5	561,755	554,061	-1.4
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	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	41,846	-4.3	311,260	315,926	1.5
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	3,582	-2.5	20,274	19,599	-3.3
July .....	3,136	2,978	-5.0	23,410	22,577	-3.6
August .....	3,109	3,433	10.4	26,519	26,010	-1.9
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)
<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	388,131	-2.8	3,013,578	2,980,696	-1.1
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)
<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	5,689	0.2	48,426	47,497	-1.9
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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	205,576	213,048	208,886	1.6	-2.0
Idaho .....	78,203	74,576	71,963	-8.0	-3.5
Illinois .....	6,842	6,633	6,454	-5.7	-2.7
Iowa .....	20,680	23,532	21,435	3.7	-8.9
Minnesota .....	52,709	60,027	58,705	11.4	-2.2
New Jersey .....	5,037	4,693	4,856	-3.6	3.5
New Mexico .....	61,712	63,776	58,679	-4.9	-8.0
New York .....	73,208	68,454	77,807	6.3	13.7
Ohio .....	18,700	17,910	18,208	-2.6	1.7
Pennsylvania .....	34,863	33,270	33,892	-2.8	1.9
South Dakota .....	21,649	22,471	24,137	11.5	7.4
Vermont .....	10,913	11,805	12,040	10.3	2.0
Wisconsin .....	268,347	274,613	272,298	1.5	-0.8
Other States <sup>1</sup> .....	146,468	159,788	158,365	8.1	-0.9
United States .....	1,004,907	1,034,596	1,027,725	2.3	-0.7
Atlantic .....	130,807	126,144	136,513	4.4	8.2
Central .....	452,198	474,963	469,028	3.7	-1.2
West .....	421,902	433,489	422,184	0.1	-2.6

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	55,633	53,072	54,571	-1.9	2.8
Idaho .....	52,755	42,251	46,493	-11.9	10.0
Iowa .....	13,758	11,965	12,860	-6.5	7.5
New York .....	10,606	10,993	10,794	1.8	-1.8
Oregon .....	16,321	17,459	16,692	2.3	-4.4
Pennsylvania .....	89	64	76	-14.6	18.8
Wisconsin .....	74,709	77,378	74,900	0.3	-3.2
Other States <sup>1</sup> .....	168,661	187,327	182,170	8.0	-2.8
United States .....	392,532	400,509	398,556	1.5	-0.5
Atlantic .....	23,912	26,560	26,222	9.7	-1.3
Central .....	183,561	197,548	194,324	5.9	-1.6
West .....	185,059	176,401	178,010	-3.8	0.9

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	30,292	29,758	30,881	1.9	3.8
Idaho .....	41,645	31,412	34,832	-16.4	10.9
Iowa .....	8,536	7,150	8,099	-5.1	13.3
Minnesota .....	40,244	46,161	45,987	14.3	-0.4
Vermont .....	7,496	8,557	8,396	12.0	-1.9
Wisconsin .....	50,030	52,467	48,600	-2.9	-7.4
Other States <sup>1</sup> .....	103,044	109,628	107,931	4.7	-1.5
United States .....	281,287	285,133	284,726	1.2	-0.1
Atlantic .....	22,817	25,520	25,120	10.1	-1.6
Central .....	126,316	138,663	135,252	7.1	-2.5
West .....	132,154	120,950	124,354	-5.9	2.8

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	130,907	138,795	131,187	0.2	-5.5
Idaho .....	19,394	24,761	18,408	-5.1	-25.7
New York .....	30,958	27,747	30,542	-1.3	10.1
Pennsylvania .....	20,697	21,079	19,959	-3.6	-5.3
Wisconsin .....	137,137	142,990	143,458	4.6	0.3
Other States <sup>1</sup> .....	86,123	96,360	92,468	7.4	-4.0
United States .....	425,216	451,732	436,022	2.5	-3.5
Atlantic .....	56,775	53,379	55,473	-2.3	3.9
Central .....	174,636	185,962	183,714	5.2	-1.2
West .....	193,805	212,391	196,835	1.6	-7.3

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	119,182	124,980	120,549	1.1	-3.5
Idaho .....	18,209	23,626	17,337	-4.8	-26.6
New York .....	15,938	14,710	15,730	-1.3	6.9
Pennsylvania .....	17,520	18,251	16,939	-3.3	-7.2
Wisconsin .....	92,430	96,524	94,500	2.2	-2.1
Other States <sup>1</sup> .....	64,961	74,383	70,743	8.9	-4.9
United States .....	328,240	352,474	335,798	2.3	-4.7
Atlantic .....	36,281	35,627	35,490	-2.2	-0.4
Central .....	112,759	121,083	116,817	3.6	-3.5
West .....	179,200	195,764	183,491	2.4	-6.3

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	38,223	38,166	38,670	1.2	1.3
New York .....	1,730	1,498	1,366	-21.0	-8.8
Pennsylvania .....	4,257	7,419	4,296	0.9	-42.1
Other States <sup>1</sup> .....	79,304	88,751	86,856	9.5	-2.1
United States .....	123,514	135,834	131,188	6.2	-3.4
Atlantic .....	9,073	13,618	10,061	10.9	-26.1
Central .....	50,473	56,143	54,944	8.9	-2.1
West .....	63,968	66,073	66,183	3.5	0.2

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	30,552	43,347	36,208	18.5	-16.5
Pennsylvania .....	13,164	16,186	13,704	4.1	-15.3
Other States <sup>1</sup> .....	73,958	88,540	86,468	16.9	-2.3
United States .....	117,674	148,073	136,380	15.9	-7.9
Atlantic .....	25,385	28,720	26,379	3.9	-8.2
Central .....	21,424	30,967	26,170	22.2	-15.5
West .....	70,865	88,386	83,831	18.3	-5.2

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,307	12,982	13,258	7.7	2.1
Wisconsin .....	25,424	32,093	30,521	20.0	-4.9
Other States <sup>1</sup> .....	36,781	53,599	50,878	38.3	-5.1
United States .....	74,512	98,674	94,657	27.0	-4.1
Atlantic .....	20,122	22,208	22,139	10.0	-0.3
Central .....	36,342	44,100	42,456	16.8	-3.7
West .....	18,048	32,366	30,062	66.6	-7.1

<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: August 2016 and 2017

State	August 2016	July 2017	August 2017	Change from	
				August 2016	July 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	10,437	10,112	11,082	6.2	9.6
Connecticut .....	1,228	1,008	1,144	-6.8	13.5
Missouri .....	3,023	2,937	3,456	14.3	17.7
Ohio .....	2,374	2,225	2,746	15.7	23.4
Oregon .....	1,268	1,216	1,092	-13.9	-10.2
Pennsylvania .....	4,049	3,793	3,650	-9.9	-3.8
Wisconsin .....	2,017	2,018	1,615	-19.9	-20.0
Other States <sup>1</sup> .....	48,642	47,396	49,380	1.5	4.2
United States .....	73,038	70,705	74,165	1.5	4.9
Atlantic .....	17,169	16,393	17,207	0.2	5.0
Central .....	38,979	38,107	40,265	3.3	5.7
West .....	16,890	16,205	16,693	-1.2	3.0

<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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