



# Dairy Products

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## April 2017 Highlights

**Total cheese** output (excluding cottage cheese) was 1.04 billion pounds, 3.7 percent above April 2016 but 2.1 percent below March 2017.

**Italian type cheese** production totaled 448 million pounds, 2.2 percent above April 2016 but 4.4 percent below March 2017.

**American type cheese** production totaled 419 million pounds, 5.3 percent above April 2016 and 0.8 percent above March 2017.

**Butter** production was 164 million pounds, 4.1 percent below April 2016 and 6.8 percent below March 2017.

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

Nonfat dry milk, human - 171 million pounds, down slightly.

Skim milk powders - 50.2 million pounds, up 16.2 percent.

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

Dry whey, total - 84.3 million pounds, up 3.0 percent.

Lactose, human and animal - 96.5 million pounds, up 5.4 percent.

Whey protein concentrate, total - 42.9 million pounds, up 10.0 percent.

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

Ice cream, regular (hard) - 70.8 million gallons, down 3.1 percent.

Ice cream, lowfat (total) - 38.7 million gallons, down 3.9 percent.

Sherbet (hard) - 3.52 million gallons, down 4.7 percent.

Frozen yogurt (total) - 6.85 million gallons, up 9.0 percent.

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

Product	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	171,199	176,067	164,099	-4.1	-6.8
<b>Cheese</b>					
American types <sup>1</sup> .....	398,307	415,940	419,282	5.3	0.8
Cheddar .....	299,780	309,569	314,209	4.8	1.5
Other American types .....	98,527	106,371	105,073	6.6	-1.2
Blue and Gorgonzola .....	7,010	7,241	7,942	13.3	9.7
Brick and Muenster .....	15,954	15,930	16,614	4.1	4.3
Cream and Neufchatel .....	70,298	71,705	69,500	-1.1	-3.1
Feta .....	11,086	10,705	11,367	2.5	6.2
Gouda .....	3,759	5,881	4,986	32.6	-15.2
Hispanic .....	21,481	25,690	23,272	8.3	-9.4
Italian types .....	438,588	469,197	448,347	2.2	-4.4
Mozzarella .....	340,164	361,564	348,094	2.3	-3.7
Parmesan .....	35,973	37,513	37,420	4.0	-0.2
Provolone .....	33,729	35,012	32,958	-2.3	-5.9
Ricotta .....	18,221	23,254	18,125	-0.5	-22.1
Romano .....	4,971	4,356	5,053	1.6	16.0
Other Italian types .....	5,530	7,498	6,697	21.1	-10.7
Swiss .....	24,257	26,454	26,015	7.2	-1.7
All other types .....	11,575	12,659	12,009	3.7	-5.1
<b>Total cheese</b> .....	<b>1,002,315</b>	<b>1,061,402</b>	<b>1,039,334</b>	<b>3.7</b>	<b>-2.1</b>
Cottage cheese, curd <sup>2</sup> .....	33,039	34,752	32,829	-0.6	-5.5
Cottage cheese, cream <sup>3</sup> .....	27,052	28,381	25,631	-5.3	-9.7
Cottage cheese, lowfat <sup>4</sup> .....	30,326	30,809	29,813	-1.7	-3.2
Sour cream .....	100,460	115,459	108,700	8.2	-5.9
Yogurt, plain and flavored .....	373,054	399,565	369,532	-0.9	-7.5
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	73,116	75,411	70,820	-3.1	-6.1
Ice cream, lowfat, hard .....	19,336	20,326	18,993	-1.8	-6.6
Ice cream, lowfat, soft .....	20,921	20,937	19,704	-5.8	-5.9
Ice cream, lowfat, total .....	40,257	41,263	38,697	-3.9	-6.2
Ice cream, nonfat, hard .....	788	573	632	-19.8	10.3
Sherbet, hard .....	3,694	3,530	3,522	-4.7	-0.2
Frozen yogurt, total .....	6,279	7,459	6,847	9.0	-8.2
Regular and lowfat, hard .....	1,738	2,543	2,484	42.9	-2.3
Nonfat, hard .....	816	658	638	-21.8	-3.0
Other frozen dairy products .....	1,201	2,132	1,967	63.8	-7.7
Water and juice ices .....	6,272	6,275	6,478	3.3	3.2
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	43,419	45,328	42,221	-2.8	-6.9
Ice cream, lowfat, mix .....	21,813	23,235	21,795	-0.1	-6.2
Ice cream, nonfat, mix .....	679	722	593	-12.7	-17.9
Sherbet mix .....	2,512	2,420	2,362	-6.0	-2.4
Yogurt mix .....	3,626	4,060	3,716	2.5	-8.5

<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:  
April 2016 and 2017**

Product	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	11,224	9,719	9,478	-15.6	-2.5
Dry whey products					
Dry whey, human .....	80,327	85,204	82,575	2.8	-3.1
Dry whey, animal .....	1,490	1,485	1,692	13.6	13.9
Dry whey, total .....	81,817	86,689	84,267	3.0	-2.8
Reduced lactose and minerals					
Human .....	2,827	2,551	2,439	-13.7	-4.4
Animal .....	2,975	2,687	2,894	-2.7	7.7
Whey protein concentrate					
Human <sup>2</sup> .....	38,642	41,943	42,399	9.7	1.1
Animal <sup>2</sup> .....	388	395	533	37.4	34.9
Total <sup>2</sup> .....	39,030	42,338	42,932	10.0	1.4
25.0-49.9 percent <sup>3</sup> .....	14,261	15,967	16,524	15.9	3.5
50.0-89.9 percent <sup>3</sup> .....	24,769	26,371	26,408	6.6	0.1
Whey protein isolates <sup>4</sup> .....	8,667	9,300	8,981	3.6	-3.4
Lactose, human and animal .....	91,527	97,334	96,514	5.4	-0.8
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	82,881	75,300	83,007	0.2	10.2
Dry whey, animal .....	1,574	1,896	1,978	25.7	4.3
Dry whey, total .....	84,455	77,196	84,985	0.6	10.1
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	7,439	5,573	5,842	-21.5	4.8
Whey protein concentrate					
Human <sup>2</sup> .....	70,417	60,512	64,374	-8.6	6.4
Animal <sup>2</sup> .....	661	474	753	13.9	58.9
Total <sup>2</sup> .....	71,078	60,986	65,127	-8.4	6.8
25.0-49.9 percent <sup>3</sup> .....	27,950	23,413	25,059	-10.3	7.0
50.0-89.9 percent <sup>3</sup> .....	43,128	37,573	40,068	-7.1	6.6
Whey protein isolates <sup>4</sup> .....	18,053	24,307	24,467	35.5	0.7
Lactose, human and animal .....	126,431	122,485	114,009	-9.8	-6.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	14.6	13.5	34.6	20.0	21.1

<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:  
April 2016 and 2017**

Product	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	149,776	141,084	142,365	-4.9	0.9
Dry milk products					
Dry buttermilk, total .....	9,604	9,798	8,638	-10.1	-11.8
Dry skim milk, animal .....	843	980	1,117	32.5	14.0
Dry whole milk .....	9,069	11,207	7,068	-22.1	-36.9
Milk protein concentrate, total <sup>1</sup> .....	16,209	16,553	18,328	13.1	10.7
Nonfat dry milk, human .....	170,927	159,742	170,900	-	7.0
Skim milk powder, total <sup>2</sup> .....	43,189	52,693	50,206	16.2	-4.7
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	24,685	26,589	26,949	9.2	1.4
Dry skim milk, animal .....	2,154	2,385	2,625	21.9	10.1
Dry whole milk .....	14,471	22,284	23,060	59.4	3.5
Nonfat dry milk, human .....	252,272	247,381	266,279	5.6	7.6
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	151,032	165,215	138,232	-8.5	-16.3

- Represents zero.

<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	1,039,334	3.7	4,003,929	4,088,080	2.1
May .....	1,011,424			5,015,353		
June .....	997,528			6,012,881		
July .....	1,017,092			7,029,973		
August .....	1,004,907			8,034,880		
September .....	987,256			9,022,136		
October .....	1,048,119			10,070,255		
November .....	1,025,928			11,096,183		
December .....	1,061,514			12,157,697		
<b>Total American cheese types <sup>1</sup></b>						
January .....	401,810	417,584	3.9	401,810	417,584	3.9
February .....	367,399	373,688	1.7	769,209	791,272	2.9
March .....	401,665	415,940	3.6	1,170,874	1,207,212	3.1
April .....	398,307	419,282	5.3	1,569,181	1,626,494	3.7
May .....	402,266			1,971,447		
June .....	392,168			2,363,615		
July .....	401,061			2,764,676		
August .....	392,532			3,157,208		
September .....	378,004			3,535,212		
October .....	401,681			3,936,893		
November .....	398,690			4,335,583		
December .....	420,617			4,756,200		
<b>Cheddar cheese</b>						
January .....	297,072	311,603	4.9	297,072	311,603	4.9
February .....	257,987	275,988	7.0	555,059	587,591	5.9
March .....	286,220	309,569	8.2	841,279	897,160	6.6
April .....	299,780	314,209	4.8	1,141,059	1,211,369	6.2
May .....	292,636			1,433,695		
June .....	280,376			1,714,071		
July .....	284,173			1,998,244		
August .....	281,287			2,279,531		
September .....	270,531			2,550,062		
October .....	282,640			2,832,702		
November .....	284,679			3,117,381		
December .....	307,338			3,424,719		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	450,991	454,006	0.7	450,991	454,006	0.7
February .....	416,850	406,570	-2.5	867,841	860,576	-0.8
March .....	458,613	469,197	2.3	1,326,454	1,329,773	0.3
April .....	438,588	448,347	2.2	1,765,042	1,778,120	0.7
May .....	444,995			2,210,037		
June .....	435,342			2,645,379		
July .....	444,306			3,089,685		
August .....	425,216			3,514,901		
September .....	429,204			3,944,105		
October .....	447,342			4,391,447		
November .....	438,866			4,830,313		
December .....	462,330			5,292,643		
<b>Mozzarella</b>						
January .....	352,402	352,375	-	352,402	352,375	-
February .....	325,516	314,758	-3.3	677,918	667,133	-1.6
March .....	358,031	361,564	1.0	1,035,949	1,028,697	-0.7
April .....	340,164	348,094	2.3	1,376,113	1,376,791	-
May .....	346,457			1,722,570		
June .....	338,997			2,061,567		
July .....	348,321			2,409,888		
August .....	328,240			2,738,128		
September .....	333,318			3,071,446		
October .....	344,711			3,416,157		
November .....	339,289			3,755,446		
December .....	358,327			4,113,773		
<b>Other Italian cheese types</b>						
January .....	6,097	6,337	3.9	6,097	6,337	3.9
February .....	5,718	6,293	10.1	11,815	12,630	6.9
March .....	5,863	7,498	27.9	17,678	20,128	13.9
April .....	5,530	6,697	21.1	23,208	26,825	15.6
May .....	6,410			29,618		
June .....	5,890			35,508		
July .....	5,497			41,005		
August .....	4,940			45,945		
September .....	6,465			52,410		
October .....	6,685			59,095		
November .....	6,593			65,688		
December .....	7,310			72,998		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	170,735	177,818	4.1	170,735	177,818	4.1
February .....	168,263	161,052	-4.3	338,998	338,870	-
March .....	174,907	176,067	0.7	513,905	514,937	0.2
April .....	171,199	164,099	-4.1	685,104	679,036	-0.9
May .....	166,017			851,121		
June .....	147,696			998,817		
July .....	135,160			1,133,977		
August .....	123,514			1,257,491		
September .....	135,273			1,392,764		
October .....	139,849			1,532,613		
November .....	143,077			1,675,690		
December .....	163,443			1,839,133		
<b>Nonfat dry milk, human</b>						
January .....	137,463	153,374	11.6	137,463	153,374	11.6
February .....	143,032	141,402	-1.1	280,495	294,776	5.1
March .....	172,110	159,742	-7.2	452,605	454,518	0.4
April .....	170,927	170,900	-	623,532	625,418	0.3
May .....	166,022			789,554		
June .....	146,668			936,222		
July .....	150,873			1,087,095		
August .....	117,674			1,204,769		
September .....	125,602			1,330,371		
October .....	140,051			1,470,422		
November .....	128,105			1,598,527		
December .....	154,980			1,753,507		
<b>Skim milk powders <sup>2</sup></b>						
January .....	51,225	55,264	7.9	51,225	55,264	7.9
February .....	40,201	40,031	-0.4	91,426	95,295	4.2
March .....	40,564	52,693	29.9	131,990	147,988	12.1
April .....	43,189	50,206	16.2	175,179	198,194	13.1
May .....	50,865			226,044		
June .....	55,853			281,897		
July .....	48,814			330,711		
August .....	46,426			377,137		
September .....	38,447			415,584		
October .....	41,475			457,059		
November .....	47,388			504,447		
December .....	54,726			559,173		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>3</sup></b>						
January .....	82,918	82,316	-0.7	82,918	82,316	-0.7
February .....	75,535	77,997	3.3	158,453	160,313	1.2
March .....	82,656	86,689	4.9	241,109	247,002	2.4
April .....	81,817	84,267	3.0	322,926	331,269	2.6
May .....	82,386			405,312		
June .....	79,751			485,063		
July .....	81,952			567,015		
August .....	77,009			644,024		
September .....	75,517			719,541		
October .....	83,823			803,364		
November .....	73,315			876,679		
December .....	78,267			954,946		
<b>Lactose, human and animal</b>						
January .....	88,943	92,658	4.2	88,943	92,658	4.2
February .....	83,703	84,794	1.3	172,646	177,452	2.8
March .....	92,796	97,334	4.9	265,442	274,786	3.5
April .....	91,527	96,514	5.4	356,969	371,300	4.0
May .....	93,097			450,066		
June .....	93,713			543,779		
July .....	97,841			641,620		
August .....	92,635			734,255		
September .....	94,882			829,137		
October .....	89,840			918,977		
November .....	86,913			1,005,890		
December .....	92,846			1,098,736		
<b>Whey protein concentrate, total</b>						
January .....	42,602	40,161	-5.7	42,602	40,161	-5.7
February .....	39,780	36,064	-9.3	82,382	76,225	-7.5
March .....	41,851	42,338	1.2	124,233	118,563	-4.6
April .....	39,030	42,932	10.0	163,263	161,495	-1.1
May .....	39,349			202,612		
June .....	38,036			240,648		
July .....	38,437			279,085		
August .....	35,665			314,750		
September .....	36,745			351,495		
October .....	38,060			389,555		
November .....	39,268			428,823		
December .....	39,053			467,876		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	25,636	23,743	-7.4	25,636	23,743	-7.4
February .....	26,945	26,208	-2.7	52,581	49,951	-5.0
March .....	29,154	28,381	-2.7	81,735	78,332	-4.2
April .....	27,052	25,631	-5.3	108,787	103,963	-4.4
May .....	28,946			137,733		
June .....	28,335			166,068		
July .....	27,163			193,231		
August .....	29,684			222,915		
September .....	27,782			250,697		
October .....	26,901			277,598		
November .....	26,041			303,639		
December .....	25,805			329,444		
<b>Cottage cheese, lowfat</b>						
January .....	30,270	26,988	-10.8	30,270	26,988	-10.8
February .....	30,311	28,297	-6.6	60,581	55,285	-8.7
March .....	34,486	30,809	-10.7	95,067	86,094	-9.4
April .....	30,326	29,813	-1.7	125,393	115,907	-7.6
May .....	32,490			157,883		
June .....	30,751			188,634		
July .....	30,359			218,993		
August .....	32,260			251,253		
September .....	30,566			281,819		
October .....	29,954			311,773		
November .....	28,456			340,229		
December .....	27,586			367,815		
<b>Sour cream</b>						
January .....	106,503	111,173	4.4	106,503	111,173	4.4
February .....	106,171	100,873	-5.0	212,674	212,046	-0.3
March .....	115,470	115,459	-	328,144	327,505	-0.2
April .....	100,460	108,700	8.2	428,604	436,205	1.8
May .....	113,737			542,341		
June .....	117,910			660,251		
July .....	103,526			763,777		
August .....	114,546			878,323		
September .....	108,619			986,942		
October .....	123,458			1,110,400		
November .....	133,291			1,243,691		
December .....	129,367			1,373,058		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	59,344	57,108	-3.8	59,344	57,108	-3.8
February .....	61,786	58,971	-4.6	121,130	116,079	-4.2
March .....	72,870	75,411	3.5	194,000	191,490	-1.3
April .....	73,116	70,820	-3.1	267,116	262,310	-1.8
May .....	72,760			339,876		
June .....	77,004			416,880		
July .....	71,837			488,717		
August .....	73,038			561,755		
September .....	63,570			625,325		
October .....	59,850			685,175		
November .....	51,941			737,116		
December .....	49,731			786,847		
<b>Ice cream, lowfat total</b>						
January .....	29,641	28,935	-2.4	29,641	28,935	-2.4
February .....	32,454	34,035	4.9	62,095	62,970	1.4
March .....	40,693	41,263	1.4	102,788	104,233	1.4
April .....	40,257	38,697	-3.9	143,045	142,930	-0.1
May .....	40,406			183,451		
June .....	43,003			226,454		
July .....	41,076			267,530		
August .....	43,730			311,260		
September .....	35,310			346,570		
October .....	32,352			378,922		
November .....	28,279			407,201		
December .....	28,118			435,319		
<b>Sherbet, hard</b>						
January .....	2,443	3,024	23.8	2,443	3,024	23.8
February .....	3,196	2,710	-15.2	5,639	5,734	1.7
March .....	3,724	3,530	-5.2	9,363	9,264	-1.1
April .....	3,694	3,522	-4.7	13,057	12,786	-2.1
May .....	3,545			16,602		
June .....	3,672			20,274		
July .....	3,136			23,410		
August .....	3,109			26,519		
September .....	3,368			29,887		
October .....	2,584			32,471		
November .....	1,939			34,410		
December .....	2,154			36,564		

See footnote(s) at end of table.

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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<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	369,532	-0.9	1,529,810	1,506,965	-1.5
May .....	364,164			1,893,974		
June .....	378,544			2,272,518		
July .....	341,666			2,614,184		
August .....	399,394			3,013,578		
September .....	411,003			3,424,581		
October .....	361,120			3,785,701		
November .....	310,983			4,096,684		
December .....	359,135			4,455,819		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<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	6,847	9.0	24,350	24,247	-0.4
May .....	6,321			30,671		
June .....	6,404			37,075		
July .....	5,676			42,751		
August .....	5,675			48,426		
September .....	5,074			53,500		
October .....	4,550			58,050		
November .....	4,238			62,288		
December .....	4,638			66,926		

- Represents zero.

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

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

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

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

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	201,529	216,541	210,440	4.4	-2.8
Idaho .....	81,182	83,096	89,393	10.1	7.6
Illinois .....	6,547	6,712	6,346	-3.1	-5.5
Iowa .....	23,055	20,001	23,209	0.7	16.0
Minnesota .....	55,404	57,857	55,853	0.8	-3.5
New Jersey .....	4,652	5,065	4,815	3.5	-4.9
New Mexico .....	65,928	66,703	64,331	-2.4	-3.6
New York .....	61,981	69,374	66,128	6.7	-4.7
Ohio .....	17,381	19,788	17,872	2.8	-9.7
Pennsylvania .....	34,241	33,747	34,715	1.4	2.9
South Dakota .....	21,513	24,697	23,511	9.3	-4.8
Vermont .....	10,723	12,163	11,538	7.6	-5.1
Wisconsin .....	272,339	287,740	275,852	1.3	-4.1
Other States <sup>1</sup> .....	145,840	157,918	155,331	6.5	-1.6
United States .....	1,002,315	1,061,402	1,039,334	3.7	-2.1
Atlantic .....	118,146	128,181	124,966	5.8	-2.5
Central .....	457,516	487,355	469,228	2.6	-3.7
West .....	426,653	445,866	445,140	4.3	-0.2

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,188	53,124	51,229	0.1	-3.6
Idaho .....	50,777	49,845	58,060	14.3	16.5
Iowa .....	13,835	13,370	13,709	-0.9	2.5
New York .....	10,823	11,567	10,691	-1.2	-7.6
Oregon .....	16,541	17,261	17,055	3.1	-1.2
Pennsylvania .....	74	67	101	36.5	50.7
Wisconsin .....	83,849	87,386	86,400	3.0	-1.1
Other States <sup>1</sup> .....	171,220	183,320	182,037	6.3	-0.7
United States .....	398,307	415,940	419,282	5.3	0.8
Atlantic .....	24,021	27,130	25,881	7.7	-4.6
Central .....	193,932	209,667	205,939	6.2	-1.8
West .....	180,354	179,143	187,462	3.9	4.6

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	30,153	29,416	29,794	-1.2	1.3
Idaho .....	41,978	41,659	49,025	16.8	17.7
Iowa .....	8,436	9,711	9,052	7.3	-6.8
Minnesota .....	41,167	45,641	42,643	3.6	-6.6
Vermont .....	7,340	8,706	8,371	14.0	-3.8
Wisconsin .....	58,111	60,005	60,400	3.9	0.7
Other States <sup>1</sup> .....	112,595	114,431	114,924	2.1	0.4
United States .....	299,780	309,569	314,209	4.8	1.5
Atlantic .....	23,064	26,288	24,982	8.3	-5.0
Central .....	139,096	154,230	147,448	6.0	-4.4
West .....	137,620	129,051	141,779	3.0	9.9

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	131,913	141,332	138,306	4.8	-2.1
Idaho .....	23,642	27,705	24,597	4.0	-11.2
New York .....	28,232	31,348	29,389	4.1	-6.2
Pennsylvania .....	21,279	21,300	20,949	-1.6	-1.6
Wisconsin .....	134,590	146,133	137,572	2.2	-5.9
Other States <sup>1</sup> .....	98,932	101,379	97,534	-1.4	-3.8
United States .....	438,588	469,197	448,347	2.2	-4.4
Atlantic .....	53,687	57,896	55,006	2.5	-5.0
Central .....	179,355	189,469	178,441	-0.5	-5.8
West .....	205,546	221,832	214,900	4.6	-3.1

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	119,384	128,713	124,453	4.2	-3.3
Idaho .....	22,314	26,570	23,568	5.6	-11.3
New York .....	16,137	16,263	16,266	0.8	-
Pennsylvania .....	18,340	18,224	18,308	-0.2	0.5
Wisconsin .....	89,813	94,355	90,000	0.2	-4.6
Other States <sup>1</sup> .....	74,176	77,439	75,499	1.8	-2.5
United States .....	340,164	361,564	348,094	2.3	-3.7
Atlantic .....	36,651	36,857	36,902	0.7	0.1
Central .....	113,226	118,876	112,969	-0.2	-5.0
West .....	190,287	205,831	198,223	4.2	-3.7

- 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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,574	50,686	48,027	-6.9	-5.2
New York .....	2,937	3,045	2,533	-13.8	-16.8
Pennsylvania .....	8,635	8,721	8,297	-3.9	-4.9
Other States <sup>1</sup> .....	108,053	113,615	105,242	-2.6	-7.4
United States .....	171,199	176,067	164,099	-4.1	-6.8
Atlantic .....	19,070	21,219	18,256	-4.3	-14.0
Central .....	71,387	77,481	70,124	-1.8	-9.5
West .....	80,742	77,367	75,719	-6.2	-2.1

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	60,262	49,040	56,517	-6.2	15.2
Pennsylvania .....	16,314	16,944	18,380	12.7	8.5
Other States <sup>1</sup> .....	94,351	93,758	96,003	1.8	2.4
United States .....	170,927	159,742	170,900	-	7.0
Atlantic .....	34,249	32,714	36,541	6.7	11.7
Central .....	30,393	33,229	31,945	5.1	-3.9
West .....	106,285	93,799	102,414	-3.6	9.2

- Represents zero.

<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: April 2016 and 2017

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,394	12,873	12,966	4.6	0.7
Wisconsin .....	26,876	26,381	29,237	8.8	10.8
Other States <sup>1</sup> .....	41,057	45,950	40,372	-1.7	-12.1
United States .....	80,327	85,204	82,575	2.8	-3.1
Atlantic .....	21,542	22,178	22,120	2.7	-0.3
Central .....	38,228	39,274	41,339	8.1	5.3
West .....	20,557	23,752	19,116	-7.0	-19.5

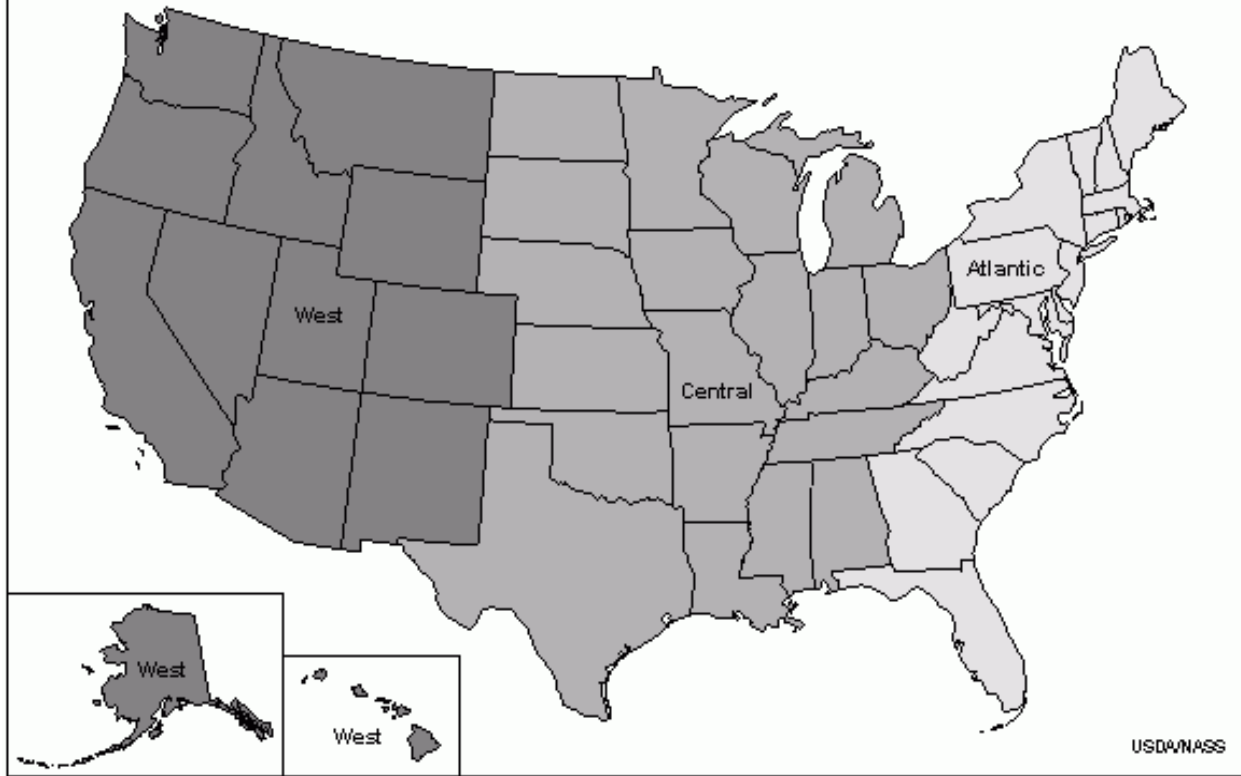
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	April 2016	March 2017	April 2017	Change from	
				April 2016	March 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	12,755	10,750	10,188	-20.1	-5.2
Connecticut .....	1,229	1,224	1,075	-12.5	-12.2
Missouri .....	2,691	2,817	3,062	13.8	8.7
Ohio .....	2,057	2,637	2,156	4.8	-18.2
Oregon .....	1,275	1,322	1,161	-8.9	-12.2
Pennsylvania .....	3,205	3,345	3,107	-3.1	-7.1
Wisconsin .....	1,551	1,912	1,660	7.0	-13.2
Other States <sup>1</sup> .....	48,353	51,404	48,411	0.1	-5.8
United States .....	73,116	75,411	70,820	-3.1	-6.1
Atlantic .....	15,229	15,514	14,282	-6.2	-7.9
Central .....	38,601	42,246	40,249	4.3	-4.7
West .....	19,286	17,651	16,289	-15.5	-7.7

<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).

Vacant, Chief, Livestock Branch .....	(202) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 720-3240
David Colwell – Sheep and Goats .....	(202) 720-8784
Donnie Fike – Dairy Products .....	(202) 690-3236
Michael Klamm – 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

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](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.

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