



Dairy Products

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March 2017 Highlights

Total cheese output (excluding cottage cheese) was 1.06 billion pounds, 3.3 percent above March 2016 and 12.7 percent above February 2017.

Italian type cheese production totaled 469 million pounds, 2.2 percent above March 2016 and 15.2 percent above February 2017.

American type cheese production totaled 416 million pounds, 3.5 percent above March 2016 and 11.2 percent above February 2017.

Butter production was 176 million pounds, 0.3 percent above March 2016 and 9.0 percent above February 2017.

Dry milk powders (comparisons with March 2016)

Nonfat dry milk, human - 160 million pounds, down 7.2 percent.

Skim milk powders - 52.7 million pounds, up 30.0 percent.

Whey products (comparisons with March 2016)

Dry whey, total - 88.0 million pounds, up 6.4 percent.

Lactose, human and animal - 97.6 million pounds, up 5.1 percent.

Whey protein concentrate, total - 42.0 million pounds, up 0.5 percent.

Frozen products (comparisons with March 2016)

Ice cream, regular (hard) - 74.7 million gallons, up 2.6 percent.

Ice cream, lowfat (total) - 41.1 million gallons, up 1.0 percent.

Sherbet (hard) - 3.41 million gallons, down 8.4 percent.

Frozen yogurt (total) - 7.28 million gallons, up 1.0 percent.

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

Product	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	174,907	161,052	175,516	0.3	9.0
Cheese					
American types ¹	401,665	373,688	415,543	3.5	11.2
Cheddar	286,220	275,988	309,250	8.0	12.1
Other American types	115,445	97,700	106,293	-7.9	8.8
Blue and Gorgonzola	8,046	7,314	7,972	-0.9	9.0
Brick and Muenster	14,074	13,318	15,971	13.5	19.9
Cream and Neufchatel	66,939	67,226	72,537	8.4	7.9
Feta	11,184	9,504	10,676	-4.5	12.3
Gouda	5,684	5,995	5,980	5.2	-0.3
Hispanic	22,819	21,706	25,690	12.6	18.4
Italian types	458,613	406,570	468,507	2.2	15.2
Mozzarella	358,031	314,758	361,166	0.9	14.7
Parmesan	33,371	32,439	37,561	12.6	15.8
Provolone	33,162	28,912	34,632	4.4	19.8
Ricotta	23,758	19,097	23,218	-2.3	21.6
Romano	4,428	5,071	4,380	-1.1	-13.6
Other Italian types	5,863	6,293	7,550	28.8	20.0
Swiss	26,020	23,982	26,971	3.7	12.5
All other types	13,264	13,058	12,566	-5.3	-3.8
Total cheese	1,028,308	942,361	1,062,413	3.3	12.7
Cottage cheese, curd ²	36,339	31,778	34,795	-4.2	9.5
Cottage cheese, cream ³	29,154	26,208	28,247	-3.1	7.8
Cottage cheese, lowfat ⁴	34,486	28,297	31,006	-10.1	9.6
Sour cream	115,470	100,873	115,134	-0.3	14.1
Yogurt, plain and flavored	400,584	363,051	390,490	-2.5	7.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	72,870	58,971	74,738	2.6	26.7
Ice cream, lowfat, hard	19,093	17,000	19,133	0.2	12.5
Ice cream, lowfat, soft	21,600	17,035	21,981	1.8	29.0
Ice cream, lowfat, total	40,693	34,035	41,114	1.0	20.8
Ice cream, nonfat, hard	612	650	576	-5.9	-11.4
Sherbet, hard	3,724	2,710	3,413	-8.4	25.9
Frozen yogurt, total	7,204	5,124	7,279	1.0	42.1
Regular and lowfat, hard	2,254	1,973	2,362	4.8	19.7
Nonfat, hard	692	386	659	-4.8	70.7
Other frozen dairy products	1,219	666	2,175	78.4	226.6
Water and juice ices	6,044	5,609	6,254	3.5	11.5
Mix for frozen products					
Ice cream, regular, mix	43,014	35,413	45,102	4.9	27.4
Ice cream, lowfat, mix	22,974	19,148	23,232	1.1	21.3
Ice cream, nonfat, mix	735	557	723	-1.6	29.8
Sherbet mix	2,570	1,804	2,364	-8.0	31.0
Yogurt mix	4,225	3,168	3,995	-5.4	26.1

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Mostly used for processing into cream or lowfat cottage cheese.

³ Fat content 4 percent or more.

⁴ Fat content less than 4 percent.

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

Product	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	11,980	8,513	9,733	-18.8	14.3
Dry whey products					
Dry whey, human	81,065	76,033	86,492	6.7	13.8
Dry whey, animal	1,591	1,964	1,484	-6.7	-24.4
Dry whey, total	82,656	77,997	87,976	6.4	12.8
Reduced lactose and minerals					
Human	2,653	2,435	2,551	-3.8	4.8
Animal	2,623	2,497	2,687	2.4	7.6
Whey protein concentrate					
Human ²	41,635	35,827	41,651	-	16.3
Animal ²	216	237	395	82.9	66.7
Total ²	41,851	36,064	42,046	0.5	16.6
25.0-49.9 percent ³	15,989	13,623	15,884	-0.7	16.6
50.0-89.9 percent ³	25,862	22,441	26,162	1.2	16.6
Whey protein isolates ⁴	9,001	9,787	9,590	6.5	-2.0
Lactose, human and animal	92,796	84,794	97,562	5.1	15.1
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	74,174	69,075	76,446	3.1	10.7
Dry whey, animal	1,438	1,927	1,893	31.6	-1.8
Dry whey, total	75,612	71,002	78,339	3.6	10.3
Reduced Lactose and minerals					
Human and animal ⁶	7,875	5,637	5,573	-29.2	-1.1
Whey protein concentrate					
Human ²	71,490	58,450	59,690	-16.5	2.1
Animal ²	732	595	587	-19.8	-1.3
Total ²	72,222	59,045	60,277	-16.5	2.1
25.0-49.9 percent ³	29,250	21,716	23,260	-20.5	7.1
50.0-89.9 percent ³	42,972	37,329	37,017	-13.9	-0.8
Whey protein isolates ⁴	17,875	23,559	23,597	32.0	0.2
Lactose, human and animal	128,442	113,156	118,968	-7.4	5.1
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.9	12.5	13.5	-1.4	1.0

- Represents zero.

¹ 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.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ 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:
March 2016 and 2017**

Product	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	149,399	120,315	139,975	-6.3	16.3
Dry milk products					
Dry buttermilk, total	9,618	10,599	9,798	1.9	-7.6
Dry skim milk, animal	1,046	685	1,008	-3.6	47.2
Dry whole milk	9,968	10,178	11,207	12.4	10.1
Milk protein concentrate, total ¹	14,027	18,875	16,566	18.1	-12.2
Nonfat dry milk, human	172,110	141,402	159,742	-7.2	13.0
Skim milk powder, total ²	40,564	40,031	52,741	30.0	31.8
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	25,091	26,754	26,589	6.0	-0.6
Dry skim milk, animal	2,060	2,097	2,385	15.8	13.7
Dry whole milk	13,044	21,660	22,284	70.8	2.9
Nonfat dry milk, human	232,111	262,105	247,025	6.4	-5.8
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	155,142	99,809	164,795	6.2	65.1

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ 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)
Total cheese						
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	1,062,413	3.3	3,001,614	3,049,757	1.6
April	1,002,315			4,003,929		
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		
Total American cheese types ¹						
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	415,543	3.5	1,170,874	1,206,815	3.1
April	398,307			1,569,181		
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		
Cheddar cheese						
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	309,250	8.0	841,279	896,841	6.6
April	299,780			1,141,059		
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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[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)
Total Italian cheese types						
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	468,507	2.2	1,326,454	1,329,083	0.2
April	438,588			1,765,042		
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		
Mozzarella						
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	361,166	0.9	1,035,949	1,028,299	-0.7
April	340,164			1,376,113		
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		
Other Italian cheese types						
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	7,550	28.8	17,678	20,180	14.2
April	5,530			23,208		
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

[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)
Butter						
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	175,516	0.3	513,905	514,386	0.1
April	171,199			685,104		
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		
Nonfat dry milk, human						
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			623,532		
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		
Skim milk powders ²						
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	52,741	30.0	131,990	148,036	12.2
April	43,189			175,179		
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

[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)
Dry whey, total ³						
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	87,976	6.4	241,109	248,289	3.0
April	81,817			322,926		
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		
Lactose, human and animal						
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	97,562	5.1	265,442	275,014	3.6
April	91,527			356,969		
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		
Whey protein concentrate, total						
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	42,046	0.5	124,233	118,271	-4.8
April	39,030			163,263		
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

[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)
Cottage cheese, cream						
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	28,247	-3.1	81,735	78,198	-4.3
April	27,052			108,787		
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		
Cottage cheese, lowfat						
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	31,006	-10.1	95,067	86,291	-9.2
April	30,326			125,393		
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		
Sour cream						
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	115,134	-0.3	328,144	327,180	-0.3
April	100,460			428,604		
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

[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)
Ice cream, regular hard						
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	74,738	2.6	194,000	190,817	-1.6
April	73,116			267,116		
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		
Ice cream, lowfat total						
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	41,114	1.0	102,788	104,084	1.3
April	40,257			143,045		
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		
Sherbet, hard						
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	3,413	-8.4	9,363	9,147	-2.3
April	3,694			13,057		
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

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

Product and month	By month			Cumulative		
	2016	2017	Change from 2016	2016	2017	Change from 2016
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	379,223	374,817	-1.2	379,223	374,817	-1.2
February	376,949	363,051	-3.7	756,172	737,868	-2.4
March	400,584	390,490	-2.5	1,156,756	1,128,358	-2.5
April	373,054			1,529,810		
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)
Frozen yogurt, total						
January	5,065	4,817	-4.9	5,065	4,817	-4.9
February	5,802	5,124	-11.7	10,867	9,941	-8.5
March	7,204	7,279	1.0	18,071	17,220	-4.7
April	6,279			24,350		
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.

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Includes protein standardized and blends.

³ Excludes all modified dry whey products.

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

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	214,938	192,068	216,542	0.7	12.7
Idaho	82,978	68,271	83,192	0.3	21.9
Illinois	6,997	5,877	6,712	-4.1	14.2
Iowa	19,782	20,307	20,604	4.2	1.5
Minnesota	55,755	51,470	57,857	3.8	12.4
New Jersey	4,986	4,086	5,191	4.1	27.0
New Mexico	69,333	59,402	66,703	-3.8	12.3
New York	67,700	65,839	69,015	1.9	4.8
Ohio	18,190	17,245	19,788	8.8	14.7
Pennsylvania	32,176	29,932	33,747	4.9	12.7
South Dakota	22,265	21,493	24,697	10.9	14.9
Vermont	10,954	11,077	12,164	11.0	9.8
Wisconsin	273,013	253,988	288,379	5.6	13.5
Other States ¹	149,241	141,306	157,822	5.7	11.7
United States	1,028,308	942,361	1,062,413	3.3	12.7
Atlantic	123,037	117,931	127,938	4.0	8.5
Central	460,163	431,532	488,512	6.2	13.2
West	445,108	392,898	445,963	0.2	13.5

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

American Cheese Production – States and United States: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	56,538	50,552	53,124	-6.0	5.1
Idaho	50,123	46,083	49,845	-0.6	8.2
Iowa	11,876	13,075	13,370	12.6	2.3
New York	10,860	10,293	11,566	6.5	12.4
Oregon	17,137	15,550	17,261	0.7	11.0
Pennsylvania	66	55	67	1.5	21.8
Wisconsin	82,496	75,895	87,000	5.5	14.6
Other States ¹	172,569	162,185	183,310	6.2	13.0
United States	401,665	373,688	415,543	3.5	11.2
Atlantic	24,482	24,344	27,119	10.8	11.4
Central	193,376	183,227	209,281	8.2	14.2
West	183,807	166,117	179,143	-2.5	7.8

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

Cheddar Cheese Production – States and United States: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	28,590	29,144	29,416	2.9	0.9
Idaho	38,694	36,638	41,659	7.7	13.7
Iowa	7,571	8,835	9,711	28.3	9.9
Minnesota	42,093	40,704	45,641	8.4	12.1
Vermont	7,472	7,695	8,706	16.5	13.1
Wisconsin	55,179	52,778	59,700	8.2	13.1
Other States ¹	106,621	100,194	114,417	7.3	14.2
United States	286,220	275,988	309,250	8.0	12.1
Atlantic	23,487	23,355	26,274	11.9	12.5
Central	134,943	133,902	153,925	14.1	15.0
West	127,790	118,731	129,051	1.0	8.7

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

Total Italian Cheese Production – States and United States: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	140,459	121,923	141,332	0.6	15.9
Idaho	26,896	17,604	27,705	3.0	57.4
New York	31,514	29,111	30,983	-1.7	6.4
Pennsylvania	19,703	19,758	21,300	8.1	7.8
Wisconsin	138,829	128,917	145,681	4.9	13.0
Other States ¹	101,212	89,257	101,506	0.3	13.7
United States	458,613	406,570	468,507	2.2	15.2
Atlantic	56,401	52,850	57,658	2.2	9.1
Central	182,706	167,823	189,017	3.5	12.6
West	219,506	185,897	221,832	1.1	19.3

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

Mozzarella Cheese Production – States and United States: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	128,639	111,573	128,713	0.1	15.4
Idaho	25,821	16,619	26,570	2.9	59.9
New York	16,631	15,582	16,120	-3.1	3.5
Pennsylvania	16,423	17,218	18,224	11.0	5.8
Wisconsin	93,815	83,862	94,100	0.3	12.2
Other States ¹	76,702	69,904	77,439	1.0	10.8
United States	358,031	314,758	361,166	0.9	14.7
Atlantic	35,270	34,862	36,714	4.1	5.3
Central	118,123	106,349	118,621	0.4	11.5
West	204,638	173,547	205,831	0.6	18.6

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

Butter Production – States and United States: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	55,450	48,611	50,685	-8.6	4.3
New York	2,500	2,563	2,495	-0.2	-2.7
Pennsylvania	9,328	8,508	8,721	-6.5	2.5
Other States ¹	107,629	101,370	113,615	5.6	12.1
United States	174,907	161,052	175,516	0.3	9.0
Atlantic	19,127	20,437	20,669	8.1	1.1
Central	72,583	67,279	77,481	6.7	15.2
West	83,197	73,336	77,366	-7.0	5.5

¹ 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: March 2016 and 2017

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	65,948	49,295	49,040	-25.6	-0.5
Pennsylvania	16,209	13,589	16,944	4.5	24.7
Other States ¹	89,953	78,518	93,758	4.2	19.4
United States	172,110	141,402	159,742	-7.2	13.0
Atlantic	32,917	27,909	32,714	-0.6	17.2
Central	30,956	28,488	33,229	7.3	16.6
West	108,237	85,005	93,799	-13.3	10.3

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

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

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	13,458	11,918	12,971	-3.6	8.8
Wisconsin	27,547	25,766	27,209	-1.2	5.6
Other States ¹	40,060	38,349	46,312	15.6	20.8
United States	81,065	76,033	86,492	6.7	13.8
Atlantic	21,681	20,483	22,276	2.7	8.8
Central	39,133	36,383	40,464	3.4	11.2
West	20,251	19,167	23,752	17.3	23.9

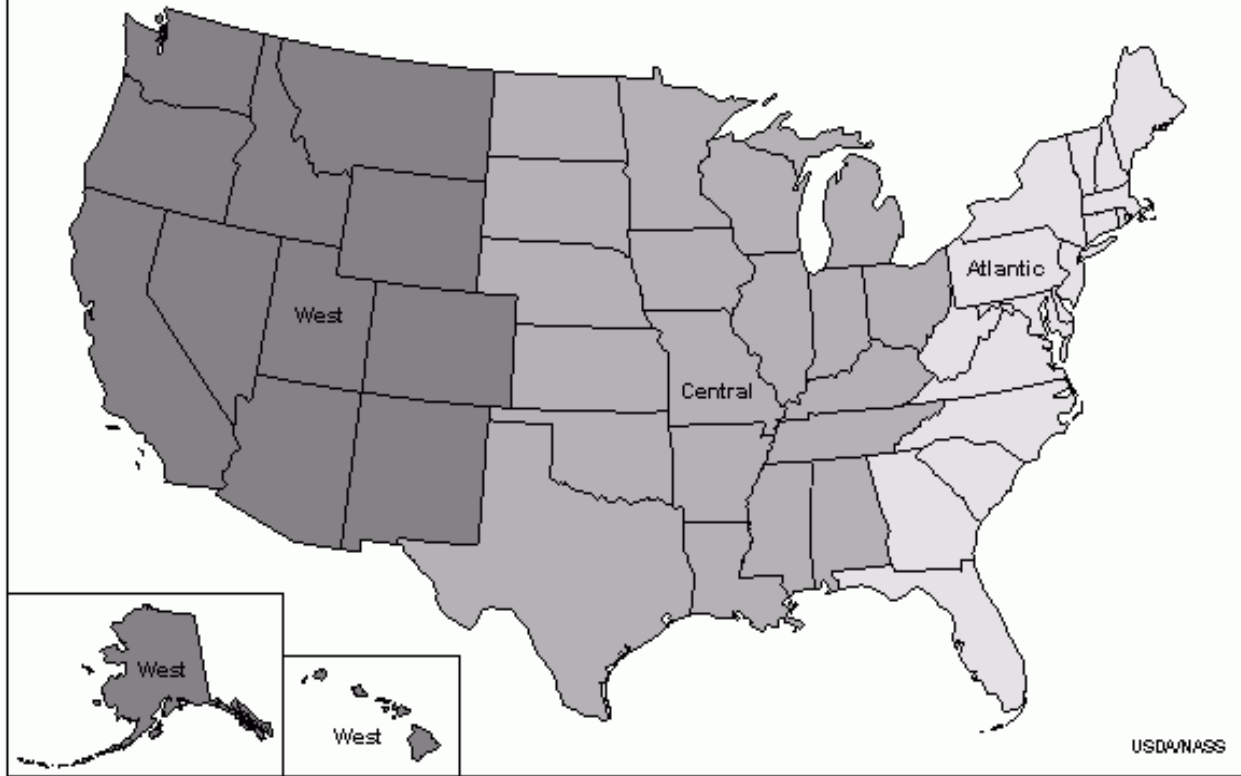
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	March 2016	February 2017	March 2017	Change from	
				March 2016	February 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	12,450	8,739	10,803	-13.2	23.6
Connecticut	1,223	1,027	1,221	-0.2	18.9
Missouri	2,855	2,522	2,817	-1.3	11.7
Ohio	2,272	2,165	2,637	16.1	21.8
Oregon	1,222	856	1,322	8.2	54.4
Pennsylvania	2,749	1,982	3,345	21.7	68.8
Wisconsin	1,659	1,590	1,912	15.3	20.3
Other States ¹	48,440	40,090	50,681	4.6	26.4
United States	72,870	58,971	74,738	2.6	26.7
Atlantic	15,324	12,137	15,492	1.1	27.6
Central	38,712	32,718	41,553	7.3	27.0
West	18,834	14,116	17,693	-6.1	25.3

¹ 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.

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