



Dairy Products

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May 2017 Highlights

Total cheese output (excluding cottage cheese) was 1.05 billion pounds, 4.0 percent above May 2016 and 0.8 percent above April 2017.

Italian type cheese production totaled 451 million pounds, 1.2 percent above May 2016 and 0.6 percent above April 2017.

American type cheese production totaled 425 million pounds, 5.7 percent above May 2016 and 0.4 percent above April 2017.

Butter production was 164 million pounds, 1.5 percent below May 2016 but 0.6 percent above April 2017.

Dry milk powders (comparisons with May 2016)

Nonfat dry milk, human - 168 million pounds, up 1.2 percent.

Skim milk powders - 51.0 million pounds, up slightly.

Whey products (comparisons with May 2016)

Dry whey, total - 82.8 million pounds, up 0.5 percent.

Lactose, human and animal - 94.8 million pounds, up 1.8 percent.

Whey protein concentrate, total - 41.7 million pounds, up 6.1 percent.

Frozen products (comparisons with May 2016)

Ice cream, regular (hard) - 72.6 million gallons, down slightly.

Ice cream, lowfat (total) - 42.5 million gallons, up 5.3 percent.

Sherbet (hard) - 3.40 million gallons, down 4.1 percent.

Frozen yogurt (total) - 6.23 million gallons, down 1.4 percent.

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

Product	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	166,017	162,519	163,506	-1.5	0.6
Cheese					
American types ¹	402,266	423,774	425,276	5.7	0.4
Cheddar	292,636	318,867	312,703	6.9	-1.9
Other American types	109,630	104,907	112,573	2.7	7.3
Blue and Gorgonzola	8,685	7,955	8,444	-2.8	6.1
Brick and Muenster	16,252	16,504	16,651	2.5	0.9
Cream and Neufchatel	61,733	69,095	70,950	14.9	2.7
Feta	10,930	11,312	11,678	6.8	3.2
Gouda	6,346	4,989	3,886	-38.8	-22.1
Hispanic	20,902	23,353	24,117	15.4	3.3
Italian types	444,995	447,658	450,519	1.2	0.6
Mozzarella	346,457	347,614	348,497	0.6	0.3
Parmesan	35,073	37,224	36,838	5.0	-1.0
Provolone	34,445	33,088	32,497	-5.7	-1.8
Ricotta	18,203	18,143	19,659	8.0	8.4
Romano	4,407	5,045	6,431	45.9	27.5
Other Italian types	6,410	6,544	6,597	2.9	0.8
Swiss	26,336	26,172	25,990	-1.3	-0.7
All other types	12,979	11,971	13,899	7.1	16.1
Total cheese	1,011,424	1,042,783	1,051,410	4.0	0.8
Cottage cheese, curd ²	35,043	32,704	35,383	1.0	8.2
Cottage cheese, cream ³	28,946	25,568	28,812	-0.5	12.7
Cottage cheese, lowfat ⁴	32,490	29,731	31,249	-3.8	5.1
Sour cream	113,737	108,816	118,414	4.1	8.8
Yogurt, plain and flavored	364,164	368,594	372,707	2.3	1.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	72,760	69,572	72,555	-0.3	4.3
Ice cream, lowfat, hard	18,314	18,693	19,186	4.8	2.6
Ice cream, lowfat, soft	22,092	20,317	23,360	5.7	15.0
Ice cream, lowfat, total	40,406	39,010	42,546	5.3	9.1
Ice cream, nonfat, hard	841	645	540	-35.8	-16.3
Sherbet, hard	3,545	3,463	3,398	-4.1	-1.9
Frozen yogurt, total	6,321	6,820	6,234	-1.4	-8.6
Regular and lowfat, hard	2,302	2,456	2,117	-8.0	-13.8
Nonfat, hard	538	639	636	18.2	-0.5
Other frozen dairy products	1,330	1,979	2,066	55.3	4.4
Water and juice ices	6,372	6,112	7,024	10.2	14.9
Mix for frozen products					
Ice cream, regular, mix	44,447	42,615	43,111	-3.0	1.2
Ice cream, lowfat, mix	22,130	22,004	24,086	8.8	9.5
Ice cream, nonfat, mix	632	600	505	-20.1	-15.8
Sherbet mix	2,308	2,350	2,215	-4.0	-5.7
Yogurt mix	3,689	3,731	3,440	-6.7	-7.8

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:
May 2016 and 2017**

Product	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	11,257	9,644	9,771	-13.2	1.3
Dry whey products					
Dry whey, human	80,930	82,916	81,645	0.9	-1.5
Dry whey, animal	1,456	1,699	1,147	-21.2	-32.5
Dry whey, total	82,386	84,615	82,792	0.5	-2.2
Reduced lactose and minerals					
Human	2,848	2,384	3,212	12.8	34.7
Animal	2,485	2,885	2,549	2.6	-11.6
Whey protein concentrate					
Human ²	39,043	42,346	41,334	5.9	-2.4
Animal ²	306	544	415	35.6	-23.7
Total ²	39,349	42,890	41,749	6.1	-2.7
25.0-49.9 percent ³	14,819	16,472	14,668	-1.0	-11.0
50.0-89.9 percent ³	24,530	26,418	27,081	10.4	2.5
Whey protein isolates ⁴	8,578	8,833	9,599	11.9	8.7
Lactose, human and animal	93,097	95,901	94,787	1.8	-1.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	86,589	83,722	85,362	-1.4	2.0
Dry whey, animal	1,368	1,971	2,014	47.2	2.2
Dry whey, total	87,957	85,693	87,376	-0.7	2.0
Reduced Lactose and minerals					
Human and animal ⁶	8,008	5,871	6,735	-15.9	14.7
Whey protein concentrate					
Human ²	66,995	63,420	65,235	-2.6	2.9
Animal ²	596	855	896	50.3	4.8
Total ²	67,591	64,275	66,131	-2.2	2.9
25.0-49.9 percent ³	25,058	24,782	24,797	-1.0	0.1
50.0-89.9 percent ³	42,533	39,493	41,334	-2.8	4.7
Whey protein isolates ⁴	17,561	24,404	25,450	44.9	4.3
Lactose, human and animal	128,293	113,923	126,873	-1.1	11.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	15.2	34.7	27.9	12.7	-6.8

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:
May 2016 and 2017**

Product	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	157,553	139,771	149,053	-5.4	6.6
Dry milk products					
Dry buttermilk, total	8,775	8,733	9,362	6.7	7.2
Dry skim milk, animal	821	1,100	1,156	40.8	5.1
Dry whole milk	8,513	7,069	7,389	-13.2	4.5
Milk protein concentrate, total ¹	18,839	18,187	16,664	-11.5	-8.4
Nonfat dry milk, human	166,022	171,889	167,977	1.2	-2.3
Skim milk powder, total ²	50,865	50,206	51,012	0.3	1.6
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	24,112	26,424	20,673	-14.3	-21.8
Dry skim milk, animal	2,402	2,622	1,967	-18.1	-25.0
Dry whole milk	15,338	23,060	22,071	43.9	-4.3
Nonfat dry milk, human	232,158	267,458	282,289	21.6	5.5
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	174,255	137,302	141,296	-18.9	2.9

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	1,061,402	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	1,051,410	4.0	5,015,353	5,142,939	2.5
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	415,940	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	425,276	5.7	1,971,447	2,056,262	4.3
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	309,569	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	312,703	6.9	1,433,695	1,528,730	6.6
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)
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	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	450,519	1.2	2,210,037	2,227,950	0.8
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	361,564	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	348,497	0.6	1,722,570	1,724,808	0.1
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	7,498	27.9	17,678	20,128	13.9
April	5,530	6,544	18.3	23,208	26,672	14.9
May	6,410	6,597	2.9	29,618	33,269	12.3
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)
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	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	163,506	-1.5	851,121	840,962	-1.2
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	171,889	0.6	623,532	626,407	0.5
May	166,022	167,977	1.2	789,554	794,384	0.6
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	52,693	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			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)
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	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	82,792	0.5	405,312	414,409	2.2
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	97,334	4.9	265,442	274,786	3.5
April	91,527	95,901	4.8	356,969	370,687	3.8
May	93,097	94,787	1.8	450,066	465,474	3.4
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	42,338	1.2	124,233	118,563	-4.6
April	39,030	42,890	9.9	163,263	161,453	-1.1
May	39,349	41,749	6.1	202,612	203,202	0.3
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)
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	28,381	-2.7	81,735	78,332	-4.2
April	27,052	25,568	-5.5	108,787	103,900	-4.5
May	28,946	28,812	-0.5	137,733	132,712	-3.6
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	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	31,249	-3.8	157,883	147,074	-6.8
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	115,459	-	328,144	327,505	-0.2
April	100,460	108,816	8.3	428,604	436,321	1.8
May	113,737	118,414	4.1	542,341	554,735	2.3
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)
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	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	72,555	-0.3	339,876	333,617	-1.8
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	41,263	1.4	102,788	104,233	1.4
April	40,257	39,010	-3.1	143,045	143,243	0.1
May	40,406	42,546	5.3	183,451	185,789	1.3
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	3,530	-5.2	9,363	9,264	-1.1
April	3,694	3,463	-6.3	13,057	12,727	-2.5
May	3,545	3,398	-4.1	16,602	16,125	-2.9
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)
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	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	372,707	2.3	1,893,974	1,878,734	-0.8
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	7,459	3.5	18,071	17,400	-3.7
April	6,279	6,820	8.6	24,350	24,220	-0.5
May	6,321	6,234	-1.4	30,671	30,454	-0.7
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: May 2016 and 2017

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	213,641	210,454	219,594	2.8	4.3
Idaho	76,022	89,305	79,070	4.0	-11.5
Illinois	7,063	6,346	6,739	-4.6	6.2
Iowa	21,492	23,167	20,916	-2.7	-9.7
Minnesota	57,437	59,853	62,872	9.5	5.0
New Jersey	4,192	4,769	4,262	1.7	-10.6
New Mexico	67,916	64,331	66,093	-2.7	2.7
New York	59,396	65,926	71,243	19.9	8.1
Ohio	17,822	17,872	18,987	6.5	6.2
Pennsylvania	34,950	34,719	33,303	-4.7	-4.1
South Dakota	22,371	23,510	24,240	8.4	3.1
Vermont	11,089	11,538	12,216	10.2	5.9
Wisconsin	271,421	275,645	272,078	0.2	-1.3
Other States ¹	146,612	155,348	159,797	9.0	2.9
United States	1,011,424	1,042,783	1,051,410	4.0	0.8
Atlantic	116,622	124,718	129,349	10.9	3.7
Central	461,187	473,003	474,492	2.9	0.3
West	433,615	445,062	447,569	3.2	0.6

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

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

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,733	51,245	56,009	4.2	9.3
Idaho	50,311	58,058	53,990	7.3	-7.0
Iowa	13,889	13,709	12,556	-9.6	-8.4
New York	10,960	10,690	10,981	0.2	2.7
Oregon	17,778	17,055	17,492	-1.6	2.6
Pennsylvania	76	101	70	-7.9	-30.7
Wisconsin	81,809	86,886	82,200	0.5	-5.4
Other States ¹	173,710	186,030	191,978	10.5	3.2
United States	402,266	423,774	425,276	5.7	0.4
Atlantic	24,659	25,878	26,977	9.4	4.2
Central	196,696	210,424	208,453	6.0	-0.9
West	180,911	187,472	189,846	4.9	1.3

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

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

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	28,366	29,810	30,933	9.0	3.8
Idaho	41,381	49,023	44,543	7.6	-9.1
Iowa	7,611	9,052	8,033	5.5	-11.3
Minnesota	41,712	46,643	48,949	17.3	4.9
Vermont	7,886	8,371	8,922	13.1	6.6
Wisconsin	56,178	61,050	56,100	-0.1	-8.1
Other States ¹	109,502	114,918	115,223	5.2	0.3
United States	292,636	318,867	312,703	6.9	-1.9
Atlantic	23,751	24,981	26,107	9.9	4.5
Central	137,976	152,096	148,653	7.7	-2.3
West	130,909	141,790	137,943	5.4	-2.7

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: May 2016 and 2017

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	140,600	138,306	141,544	0.7	2.3
Idaho	19,858	24,597	18,973	-4.5	-22.9
New York	27,719	29,389	29,820	7.6	1.5
Pennsylvania	23,166	20,953	22,391	-3.3	6.9
Wisconsin	136,872	136,924	138,527	1.2	1.2
Other States ¹	96,780	97,489	99,264	2.6	1.8
United States	444,995	447,658	450,519	1.2	0.6
Atlantic	55,195	54,964	56,621	2.6	3.0
Central	179,326	177,794	181,526	1.2	2.1
West	210,474	214,900	212,372	0.9	-1.2

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

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

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	129,101	124,453	130,085	0.8	4.5
Idaho	18,224	23,568	17,971	-1.4	-23.7
New York	14,887	16,266	15,769	5.9	-3.1
Pennsylvania	19,963	18,309	19,611	-1.8	7.1
Wisconsin	90,849	89,519	89,500	-1.5	-
Other States ¹	73,433	75,499	75,561	2.9	0.1
United States	346,457	347,614	348,497	0.6	0.3
Atlantic	37,112	36,903	37,699	1.6	2.2
Central	113,795	112,488	112,545	-1.1	0.1
West	195,550	198,223	198,253	1.4	-

- Represents zero.

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

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

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	49,549	48,027	45,825	-7.5	-4.6
New York	2,671	2,529	2,543	-4.8	0.6
Pennsylvania	8,280	8,297	8,989	8.6	8.3
Other States ¹	105,517	103,666	106,149	0.6	2.4
United States	166,017	162,519	163,506	-1.5	0.6
Atlantic	17,501	18,250	18,878	7.9	3.4
Central	69,928	68,549	70,813	1.3	3.3
West	78,588	75,720	73,815	-6.1	-2.5

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: May 2016 and 2017

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,566	56,497	41,683	-17.6	-26.2
Pennsylvania	17,558	18,379	18,164	3.5	-1.2
Other States ¹	97,898	97,013	108,130	10.5	11.5
United States	166,022	171,889	167,977	1.2	-2.3
Atlantic	36,069	36,520	37,420	3.7	2.5
Central	37,183	32,975	32,922	-11.5	-0.2
West	92,770	102,394	97,635	5.2	-4.6

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: May 2016 and 2017

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,560	12,966	12,784	10.6	-1.4
Wisconsin	28,123	29,590	29,476	4.8	-0.4
Other States ¹	41,247	40,360	39,385	-4.5	-2.4
United States	80,930	82,916	81,645	0.9	-1.5
Atlantic	21,969	22,120	22,792	3.7	3.0
Central	40,383	41,680	42,016	4.0	0.8
West	18,578	19,116	16,837	-9.4	-11.9

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: May 2016 and 2017

State	May 2016	April 2017	May 2017	Change from	
				May 2016	April 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	12,262	10,195	10,810	-11.8	6.0
Connecticut	1,143	1,075	1,334	16.7	24.1
Missouri	2,744	3,062	3,584	30.6	17.0
Ohio	2,158	2,156	2,587	19.9	20.0
Oregon	1,324	1,161	1,287	-2.8	10.9
Pennsylvania	3,598	3,275	3,749	4.2	14.5
Wisconsin	1,619	1,660	1,718	6.1	3.5
Other States ¹	47,912	46,988	47,486	-0.9	1.1
United States	72,760	69,572	72,555	-0.3	4.3
Atlantic	16,102	13,214	16,508	2.5	24.9
Central	37,542	40,167	39,512	5.2	-1.6
West	19,116	16,191	16,535	-13.5	2.1

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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