



Dairy Products

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February 2017 Highlights

Total cheese output (excluding cottage cheese) was 942 million pounds, 1.4 percent below February 2016 and 9.9 percent below January 2017.

Italian type cheese production totaled 407 million pounds, 4.0 percent below February 2016 and 10.3 percent below January 2017.

American type cheese production totaled 373 million pounds, 1.7 percent above February 2016 but 10.6 percent below January 2017.

Butter production was 164 million pounds, 5.8 percent below February 2016 and 7.6 percent below January 2017.

Dry milk powders (comparisons with February 2016)

Nonfat dry milk, human - 140 million pounds, down 0.1 percent.

Skim milk powders - 40.0 million pounds, down 0.4 percent.

Whey products (comparisons with February 2016)

Dry whey, total - 78.0 million pounds, up 3.4 percent.

Lactose, human and animal - 84.7 million pounds, up 0.9 percent.

Whey protein concentrate, total - 36.7 million pounds, down 0.2 percent.

Frozen products (comparisons with February 2016)

Ice cream, regular (hard) - 58.7 million gallons, down 2.8 percent.

Ice cream, lowfat (total) - 32.9 million gallons, up 5.7 percent.

Sherbet (hard) - 2.75 million gallons, down 14.1 percent.

Frozen yogurt (total) - 5.11 million gallons, down 5.0 percent.

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

Product	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	174,353	177,818	164,264	-5.8	-7.6
Cheese					
American types ¹	366,870	417,584	373,174	1.7	-10.6
Cheddar	257,550	311,603	275,254	6.9	-11.7
Other American types	109,320	105,981	97,920	-10.4	-7.6
Blue and Gorgonzola	7,206	7,623	7,279	1.0	-4.5
Brick and Muenster	14,155	15,075	13,008	-8.1	-13.7
Cream and Neufchatel	70,793	77,995	67,483	-4.7	-13.5
Feta	9,203	8,810	8,774	-4.7	-0.4
Gouda	4,639	3,724	6,099	31.5	63.8
Hispanic	20,588	21,261	21,802	5.9	2.5
Italian types	423,918	454,006	407,134	-4.0	-10.3
Mozzarella	332,553	352,375	315,605	-5.1	-10.4
Parmesan	31,521	38,428	32,470	3.0	-15.5
Provolone	29,147	31,290	28,800	-1.2	-8.0
Ricotta	20,621	20,801	19,400	-5.9	-6.7
Romano	4,299	4,775	4,898	13.9	2.6
Other Italian types	5,777	6,337	5,961	3.2	-5.9
Swiss	24,459	25,935	23,975	-2.0	-7.6
All other types	13,220	12,970	12,980	-1.8	0.1
Total cheese	955,051	1,044,983	941,708	-1.4	-9.9
Cottage cheese, curd ²	31,728	30,438	31,585	-0.5	3.8
Cottage cheese, cream ³	25,233	23,743	25,938	2.8	9.2
Cottage cheese, lowfat ⁴	28,708	26,988	28,132	-2.0	4.2
Sour cream	103,420	111,173	101,655	-1.7	-8.6
Yogurt, plain and flavored	396,799	374,817	365,926	-7.8	-2.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	60,423	57,108	58,712	-2.8	2.8
Ice cream, lowfat, hard	14,439	13,397	15,834	9.7	18.2
Ice cream, lowfat, soft	16,698	15,538	17,085	2.3	10.0
Ice cream, lowfat, total	31,137	28,935	32,919	5.7	13.8
Ice cream, nonfat, hard	450	540	626	39.1	15.9
Sherbet, hard	3,200	3,024	2,750	-14.1	-9.1
Frozen yogurt, total	5,377	4,817	5,109	-5.0	6.1
Regular and lowfat, hard	2,042	1,993	1,963	-3.9	-1.5
Nonfat, hard	547	417	381	-30.3	-8.6
Other frozen dairy products	1,028	879	670	-34.8	-23.8
Water and juice ices	5,166	3,930	5,026	-2.7	27.9
Mix for frozen products					
Ice cream, regular, mix	33,784	33,606	35,141	4.0	4.6
Ice cream, lowfat, mix	17,598	16,355	18,564	5.5	13.5
Ice cream, nonfat, mix	487	527	544	11.7	3.2
Sherbet mix	2,115	1,978	1,808	-14.5	-8.6
Yogurt mix	2,989	2,717	3,173	6.2	16.8

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:
February 2016 and 2017**

Product	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,582	8,854	8,647	-9.8	-2.3
Dry whey products					
Dry whey, human	73,742	79,907	76,056	3.1	-4.8
Dry whey, animal	1,717	2,409	1,964	14.4	-18.5
Dry whey, total	75,459	82,316	78,020	3.4	-5.2
Reduced lactose and minerals					
Human	2,621	3,680	2,938	12.1	-20.2
Animal	2,360	2,935	2,307	-2.2	-21.4
Whey protein concentrate					
Human ²	36,575	39,834	36,463	-0.3	-8.5
Animal ²	200	327	240	20.0	-26.6
Total ²	36,775	40,161	36,703	-0.2	-8.6
25.0-49.9 percent ³	15,479	14,995	13,623	-12.0	-9.1
50.0-89.9 percent ³	21,296	25,166	23,080	8.4	-8.3
Whey protein isolates ⁴	7,903	10,019	9,713	22.9	-3.1
Lactose, human and animal	83,897	92,658	84,663	0.9	-8.6
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	75,888	66,938	68,974	-9.1	3.0
Dry whey, animal	1,616	813	1,927	19.2	137.0
Dry whey, total	77,504	67,751	70,901	-8.5	4.6
Reduced Lactose and minerals					
Human and animal ⁶	7,576	6,340	5,981	-21.1	-5.7
Whey protein concentrate					
Human ²	73,849	58,280	58,308	-21.0	-
Animal ²	651	1,395	613	-5.8	-56.1
Total ²	74,500	59,675	58,921	-20.9	-1.3
25.0-49.9 percent ³	29,305	21,756	21,718	-25.9	-0.2
50.0-89.9 percent ³	45,195	37,919	37,203	-17.7	-1.9
Whey protein isolates ⁴	15,714	23,809	23,291	48.2	-2.2
Lactose, human and animal	123,006	110,797	113,226	-8.0	2.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	13.8	10.1	12.5	-1.3	2.4

- 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:
February 2016 and 2017**

Product	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	135,091	141,015	118,698	-12.1	-15.8
Dry milk products					
Dry buttermilk, total	10,817	11,788	10,672	-1.3	-9.5
Dry skim milk, animal	669	743	702	4.9	-5.5
Dry whole milk	8,647	11,903	10,178	17.7	-14.5
Milk protein concentrate, total ¹	16,597	17,299	19,730	18.9	14.1
Nonfat dry milk, human	140,225	153,374	140,035	-0.1	-8.7
Skim milk powder, total ²	40,201	55,264	40,031	-0.4	-27.6
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	25,679	22,272	26,059	1.5	17.0
Dry skim milk, animal	1,514	1,864	2,150	42.0	15.3
Dry whole milk	11,484	18,034	21,659	88.6	20.1
Nonfat dry milk, human	216,568	226,786	259,746	19.9	14.5
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	145,232	146,788	99,362	-31.6	-32.3

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	1,003,278	1,044,983	4.2	1,003,278	1,044,983	4.2
February	955,051	941,708	-1.4	1,958,329	1,986,691	1.4
March	1,025,629			2,983,958		
April	991,181			3,975,139		
May	1,002,024			4,977,163		
June	990,753			5,967,916		
July	1,012,526			6,980,442		
August	999,583			7,980,025		
September	985,312			8,965,337		
October	1,038,075			10,003,412		
November	1,019,809			11,023,221		
December	1,052,861			12,076,082		
Total American cheese types ¹						
January	400,989	417,584	4.1	400,989	417,584	4.1
February	366,870	373,174	1.7	767,859	790,758	3.0
March	399,063			1,166,922		
April	395,527			1,562,449		
May	400,350			1,962,799		
June	389,382			2,352,181		
July	398,996			2,751,177		
August	389,387			3,140,564		
September	376,427			3,516,991		
October	398,746			3,915,737		
November	395,590			4,311,327		
December	417,812			4,729,139		
Cheddar cheese						
January	296,492	311,603	5.1	296,492	311,603	5.1
February	257,550	275,254	6.9	554,042	586,857	5.9
March	283,957			837,999		
April	297,403			1,135,402		
May	290,549			1,425,951		
June	277,668			1,703,619		
July	281,801			1,985,420		
August	279,186			2,264,606		
September	268,541			2,533,147		
October	280,176			2,813,323		
November	282,446			3,095,769		
December	304,976			3,400,745		

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)
Total Italian cheese types						
January	435,176	454,006	4.3	435,176	454,006	4.3
February	423,918	407,134	-4.0	859,094	861,140	0.2
March	458,783			1,317,877		
April	436,543			1,754,420		
May	440,810			2,195,230		
June	434,410			2,629,640		
July	443,092			3,072,732		
August	424,496			3,497,228		
September	428,277			3,925,505		
October	445,974			4,371,479		
November	436,519			4,807,998		
December	458,868			5,266,866		
Mozzarella						
January	336,865	352,375	4.6	336,865	352,375	4.6
February	332,553	315,605	-5.1	669,418	667,980	-0.2
March	359,034			1,028,452		
April	340,847			1,369,299		
May	345,427			1,714,726		
June	339,659			2,054,385		
July	348,503			2,402,888		
August	328,638			2,731,526		
September	334,566			3,066,092		
October	344,404			3,410,496		
November	338,781			3,749,277		
December	358,350			4,107,627		
Other Italian cheese types						
January	6,117	6,337	3.6	6,117	6,337	3.6
February	5,777	5,961	3.2	11,894	12,298	3.4
March	5,994			17,888		
April	5,376			23,264		
May	6,250			29,514		
June	5,778			35,292		
July	5,296			40,588		
August	4,958			45,546		
September	6,032			51,578		
October	6,558			58,136		
November	6,493			64,629		
December	7,195			71,824		

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	175,654	177,818	1.2	175,654	177,818	1.2
February	174,353	164,264	-5.8	350,007	342,082	-2.3
March	182,126			532,133		
April	176,453			708,586		
May	170,015			878,601		
June	151,244			1,029,845		
July	144,019			1,173,864		
August	130,057			1,303,921		
September	135,346			1,439,267		
October	141,606			1,580,873		
November	144,580			1,725,453		
December	163,796			1,889,249		
Nonfat dry milk, human						
January	137,046	153,374	11.9	137,046	153,374	11.9
February	140,225	140,035	-0.1	277,271	293,409	5.8
March	172,009			449,280		
April	169,349			618,629		
May	166,026			784,655		
June	146,017			930,672		
July	150,889			1,081,561		
August	117,657			1,199,218		
September	125,797			1,325,015		
October	140,792			1,465,807		
November	128,166			1,593,973		
December	154,980			1,748,953		
Skim milk powders ²						
January	51,243	55,264	7.8	51,243	55,264	7.8
February	40,201	40,031	-0.4	91,444	95,295	4.2
March	40,564			132,008		
April	43,189			175,197		
May	50,865			226,062		
June	55,312			281,374		
July	48,814			330,188		
August	46,426			376,614		
September	38,447			415,061		
October	41,475			456,536		
November	50,112			506,648		
December	54,726			561,374		

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	83,281	82,316	-1.2	83,281	82,316	-1.2
February	75,459	78,020	3.4	158,740	160,336	1.0
March	82,941			241,681		
April	82,348			324,029		
May	82,046			406,075		
June	80,134			486,209		
July	82,354			568,563		
August	76,396			644,959		
September	75,864			720,823		
October	83,967			804,790		
November	72,893			877,683		
December	78,267			955,950		
Lactose, human and animal						
January	84,602	92,658	9.5	84,602	92,658	9.5
February	83,897	84,663	0.9	168,499	177,321	5.2
March	92,710			261,209		
April	87,962			349,171		
May	91,631			440,802		
June	93,756			534,558		
July	97,715			632,273		
August	92,209			724,482		
September	94,699			819,181		
October	89,280			908,461		
November	87,250			995,711		
December	93,210			1,088,921		
Whey protein concentrate, total						
January	39,051	40,161	2.8	39,051	40,161	2.8
February	36,775	36,703	-0.2	75,826	76,864	1.4
March	39,232			115,058		
April	36,808			151,866		
May	37,992			189,858		
June	36,983			226,841		
July	36,664			263,505		
August	34,337			297,842		
September	35,343			333,185		
October	36,194			369,379		
November	37,479			406,858		
December	39,054			445,912		

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	23,777	23,743	-0.1	23,777	23,743	-0.1
February	25,233	25,938	2.8	49,010	49,681	1.4
March	28,607			77,617		
April	26,717			104,334		
May	27,985			132,319		
June	27,852			160,171		
July	26,482			186,653		
August	28,855			215,508		
September	27,410			242,918		
October	26,651			269,569		
November	25,510			295,079		
December	25,766			320,845		
Cottage cheese, lowfat						
January	28,610	26,988	-5.7	28,610	26,988	-5.7
February	28,708	28,132	-2.0	57,318	55,120	-3.8
March	34,290			91,608		
April	30,499			122,107		
May	31,902			154,009		
June	30,459			184,468		
July	29,912			214,380		
August	31,646			246,026		
September	30,221			276,247		
October	29,870			306,117		
November	28,515			334,632		
December	27,600			362,232		
Sour cream						
January	102,931	111,173	8.0	102,931	111,173	8.0
February	103,420	101,655	-1.7	206,351	212,828	3.1
March	116,668			323,019		
April	102,123			425,142		
May	113,759			538,901		
June	119,715			658,616		
July	104,836			763,452		
August	116,521			879,973		
September	109,965			989,938		
October	125,142			1,115,080		
November	133,949			1,249,029		
December	130,879			1,379,908		

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	57,066	57,108	0.1	57,066	57,108	0.1
February	60,423	58,712	-2.8	117,489	115,820	-1.4
March	71,024			188,513		
April	71,328			259,841		
May	71,903			331,744		
June	76,135			407,879		
July	69,600			477,479		
August	70,965			548,444		
September	62,326			610,770		
October	59,783			670,553		
November	52,324			722,877		
December	50,626			773,503		
Ice cream, lowfat total						
January	25,723	28,935	12.5	25,723	28,935	12.5
February	31,137	32,919	5.7	56,860	61,854	8.8
March	40,926			97,786		
April	39,789			137,575		
May	40,290			177,865		
June	42,259			220,124		
July	41,608			261,732		
August	44,432			306,164		
September	34,645			340,809		
October	31,422			372,231		
November	27,649			399,880		
December	25,838			425,718		
Sherbet, hard						
January	2,461	3,024	22.9	2,461	3,024	22.9
February	3,200	2,750	-14.1	5,661	5,774	2.0
March	3,726			9,387		
April	3,567			12,954		
May	3,484			16,438		
June	3,597			20,035		
July	3,229			23,264		
August	3,120			26,384		
September	3,229			29,613		
October	2,517			32,130		
November	1,959			34,089		
December	2,132			36,221		

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	394,767	374,817	-5.1	394,767	374,817	-5.1
February	396,799	365,926	-7.8	791,566	740,743	-6.4
March	421,450			1,213,016		
April	392,006			1,605,022		
May	380,186			1,985,208		
June	397,126			2,382,334		
July	361,949			2,744,283		
August	419,109			3,163,392		
September	436,390			3,599,782		
October	381,021			3,980,803		
November	327,942			4,308,745		
December	359,707			4,668,452		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,125	4,817	16.8	4,125	4,817	16.8
February	5,377	5,109	-5.0	9,502	9,926	4.5
March	6,079			15,581		
April	6,281			21,862		
May	5,755			27,617		
June	6,320			33,937		
July	6,004			39,941		
August	5,926			45,867		
September	5,213			51,080		
October	5,167			56,247		
November	4,627			60,874		
December	4,005			64,879		

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:
February 2016 and 2017**

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	208,363	210,969	192,068	-7.8	-9.0
Idaho	70,681	82,439	68,274	-3.4	-17.2
Illinois	5,820	5,307	5,877	1.0	10.7
Iowa	19,587	23,688	19,398	-1.0	-18.1
Minnesota	51,719	57,218	51,643	-0.1	-9.7
New Jersey	4,466	4,082	4,215	-5.6	3.3
New Mexico	60,535	67,436	59,418	-1.8	-11.9
New York	66,568	73,944	65,980	-0.9	-10.8
Ohio	17,094	17,788	17,245	0.9	-3.1
Pennsylvania	31,206	35,803	31,030	-0.6	-13.3
South Dakota	21,314	20,925	22,232	4.3	6.2
Vermont	10,318	12,256	10,980	6.4	-10.4
Wisconsin	247,550	276,195	252,044	1.8	-8.7
Other States ¹	139,830	156,933	141,304	1.1	-10.0
United States	955,051	1,044,983	941,708	-1.4	-9.9
Atlantic	118,958	133,557	119,202	0.2	-10.7
Central	424,500	469,990	429,589	1.2	-8.6
West	411,593	441,436	392,917	-4.5	-11.0

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

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

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	52,011	54,077	50,550	-2.8	-6.5
Idaho	45,639	51,365	46,085	1.0	-10.3
Iowa	12,129	16,428	13,016	7.3	-20.8
New York	10,431	11,260	10,448	0.2	-7.2
Oregon	16,418	16,916	15,550	-5.3	-8.1
Pennsylvania	48	54	69	43.8	27.8
Wisconsin	74,623	83,522	74,300	-0.4	-11.0
Other States ¹	155,571	183,962	163,156	4.9	-11.3
United States	366,870	417,584	373,174	1.7	-10.6
Atlantic	23,401	26,705	24,513	4.8	-8.2
Central	176,739	205,383	182,633	3.3	-11.1
West	166,730	185,496	166,028	-0.4	-10.5

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

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

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,119	32,248	29,088	31.5	-9.8
Idaho	35,535	41,319	36,640	3.1	-11.3
Iowa	7,115	11,268	8,804	23.7	-21.9
Minnesota	37,518	44,886	40,878	9.0	-8.9
Vermont	7,150	8,473	7,694	7.6	-9.2
Wisconsin	51,130	59,499	51,200	0.1	-13.9
Other States ¹	96,983	113,910	100,950	4.1	-11.4
United States	257,550	311,603	275,254	6.9	-11.7
Atlantic	22,410	25,635	23,524	5.0	-8.2
Central	124,368	148,015	133,053	7.0	-10.1
West	110,772	137,953	118,677	7.1	-14.0

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: February 2016 and 2017

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	138,503	137,953	121,930	-12.0	-11.6
Idaho	18,966	24,772	17,604	-7.2	-28.9
New York	28,742	31,417	29,111	1.3	-7.3
Pennsylvania	18,279	22,388	19,922	9.0	-11.0
Wisconsin	124,965	140,913	129,322	3.5	-8.2
Other States ¹	94,463	96,563	89,245	-5.5	-7.6
United States	423,918	454,006	407,134	-4.0	-10.3
Atlantic	51,065	57,852	53,143	4.1	-8.1
Central	168,353	181,199	168,084	-0.2	-7.2
West	204,500	214,955	185,907	-9.1	-13.5

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

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

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	127,871	125,107	111,580	-12.7	-10.8
Idaho	17,512	23,260	16,619	-5.1	-28.6
New York	15,280	16,900	15,582	2.0	-7.8
Pennsylvania	15,472	19,592	17,217	11.3	-12.1
Wisconsin	84,510	91,765	84,700	0.2	-7.7
Other States ¹	71,908	75,751	69,907	-2.8	-7.7
United States	332,553	352,375	315,605	-5.1	-10.4
Atlantic	32,654	38,335	34,861	6.8	-9.1
Central	108,583	114,759	107,187	-1.3	-6.6
West	191,316	199,281	173,557	-9.3	-12.9

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

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

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,993	51,552	48,598	-4.7	-5.7
New York	2,566	3,229	2,565	-	-20.6
Pennsylvania	7,999	9,388	8,508	6.4	-9.4
Other States ¹	112,795	113,649	104,593	-7.3	-8.0
United States	174,353	177,818	164,264	-5.8	-7.6
Atlantic	18,690	22,049	20,439	9.4	-7.3
Central	72,992	75,438	70,501	-3.4	-6.5
West	82,671	80,331	73,324	-11.3	-8.7

- Represents zero.

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: February 2016 and 2017

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	52,556	53,490	49,342	-6.1	-7.8
Pennsylvania	13,164	15,929	13,589	3.2	-14.7
Other States ¹	74,505	83,955	77,104	3.5	-8.2
United States	140,225	153,374	140,035	-0.1	-8.7
Atlantic	27,419	29,011	27,221	-0.7	-6.2
Central	23,838	28,241	27,762	16.5	-1.7
West	88,968	96,122	85,052	-4.4	-11.5

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: February 2016 and 2017

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,894	12,699	11,918	0.2	-6.2
Wisconsin	24,050	27,703	25,766	7.1	-7.0
Other States ¹	37,798	39,505	38,372	1.5	-2.9
United States	73,742	79,907	76,056	3.1	-4.8
Atlantic	20,112	22,312	20,483	1.8	-8.2
Central	35,473	39,342	36,406	2.6	-7.5
West	18,157	18,253	19,167	5.6	5.0

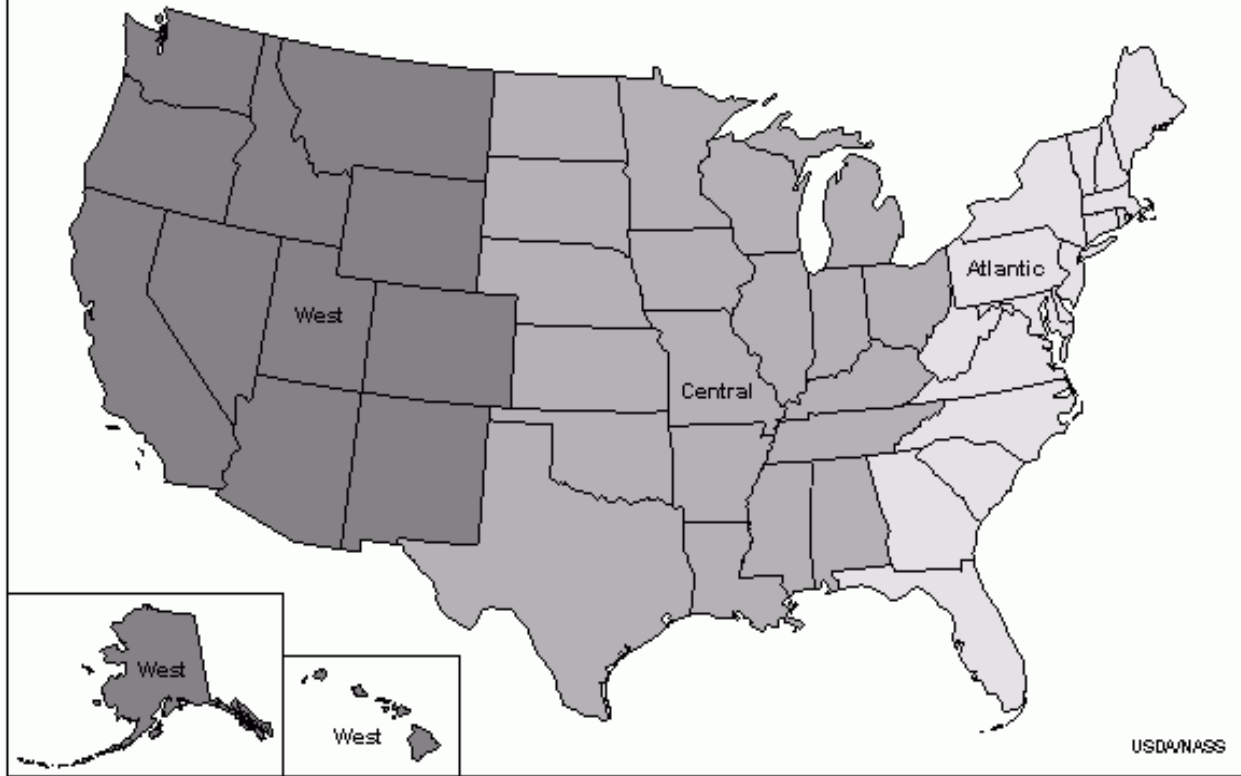
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	February 2016	January 2017	February 2017	Change from	
				February 2016	January 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	8,963	9,478	8,739	-2.5	-7.8
Connecticut	1,064	886	1,027	-3.5	15.9
Missouri	2,058	2,119	2,522	22.5	19.0
Ohio	1,730	1,768	2,165	25.1	22.5
Oregon	862	838	856	-0.7	2.1
Pennsylvania	2,341	2,893	1,988	-15.1	-31.3
Wisconsin	1,320	1,355	1,269	-3.9	-6.3
Other States ¹	42,085	37,771	40,146	-4.6	6.3
United States	60,423	57,108	58,712	-2.8	2.8
Atlantic	13,402	13,219	12,198	-9.0	-7.7
Central	32,322	29,548	32,398	0.2	9.6
West	14,699	14,341	14,116	-4.0	-1.6

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 2015, there were 1,267 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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