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January 2018 Highlights

Total cheese output (excluding cottage cheese) was 1.08 billion pounds, 3.4 percent above January 2017 but 1.0 percent below December 2017.

Italian type cheese production totaled 470 million pounds, 3.4 percent above January 2017 and 0.5 percent above December 2017.

American type cheese production totaled 429 million pounds, 2.7 percent above January 2017 but 1.0 percent below December 2017.

Butter production was 185 million pounds, 4.3 percent above January 2017 and 9.0 percent above December 2017.

Dry milk products (comparisons in percentage with January 2017)

Nonfat dry milk, human - 162 million pounds, up 5.4 percent.

Skim milk powder - 45.8 million pounds, down 17.2 percent.

Whey products (comparisons in percentage with January 2017)

Dry whey, total - 89.3 million pounds, up 8.5 percent.

Lactose, human and animal - 94.1 million pounds, up 1.5 percent.

Whey protein concentrate, total - 44.3 million pounds, up 10.4 percent.

Frozen products (comparisons in percentage with January 2017)

Ice cream, regular (hard) - 56.6 million gallons, down 0.9 percent.

Ice cream, lowfat (total) - 30.5 million gallons, up 5.6 percent.

Sherbet (hard) - 2.93 million gallons, down 3.2 percent.

Frozen yogurt (total) - 4.76 million gallons, down 1.2 percent.

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Dairy Products Production by Product – United States: January 2017 and 2018

Product	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	177,818	170,188	185,460	4.3	9.0
Cheese					
American types ¹	417,584	433,111	428,880	2.7	-1.0
Cheddar	311,603	317,143	312,430	0.3	-1.5
Other American types	105,981	115,968	116,450	9.9	0.4
Blue and Gorgonzola	7,623	7,006	7,324	-3.9	4.5
Brick and Muenster	15,075	14,635	15,771	4.6	7.8
Cream and Neufchatel	77,995	86,653	80,288	2.9	-7.3
Feta	8,810	9,381	8,701	-1.2	-7.2
Gouda	3,724	5,619	5,245	40.8	-6.7
Hispanic	21,261	23,149	22,764	7.1	-1.7
Italian types	454,006	467,277	469,648	3.4	0.5
Mozzarella	352,375	363,476	363,132	3.1	-0.1
Parmesan	38,428	37,712	40,506	5.4	7.4
Provolone	31,290	31,703	32,122	2.7	1.3
Ricotta	20,801	22,983	23,598	13.4	2.7
Romano	4,775	5,407	4,823	1.0	-10.8
Other Italian types	6,337	5,996	5,467	-13.7	-8.8
Swiss	25,935	28,564	27,878	7.5	-2.4
All other types	12,970	16,279	14,387	10.9	-11.6
Total cheese ²	1,044,983	1,091,674	1,080,886	3.4	-1.0
Cottage cheese, curd ³	30,438	28,879	30,304	-0.4	4.9
Cottage cheese, cream ⁴	23,743	26,038	25,356	6.8	-2.6
Cottage cheese, lowfat ⁵	26,988	25,339	26,945	-0.2	6.3
Sour cream	111,173	121,355	116,594	4.9	-3.9
Yogurt, plain and flavored	374,817	355,854	368,653	-1.6	3.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	57,108	49,480	56,572	-0.9	14.3
Ice cream, lowfat, hard	13,397	12,633	14,847	10.8	17.5
Ice cream, lowfat, soft	15,538	13,303	15,694	1.0	18.0
Ice cream, lowfat, total	28,935	25,936	30,541	5.6	17.8
Ice cream, nonfat, hard	540	681	740	37.0	8.7
Sherbet, hard	3,024	2,210	2,928	-3.2	32.5
Frozen yogurt, total	4,817	4,235	4,758	-1.2	12.3
Regular and lowfat, hard	1,993	1,195	1,989	-0.2	66.4
Nonfat, hard	417	340	362	-13.2	6.5
Other frozen dairy products	879	1,541	1,955	122.4	26.9
Water and juice ices	3,930	3,076	4,166	6.0	35.4
Mix for frozen products					
Ice cream, regular, mix	33,606	26,940	32,851	-2.2	21.9
Ice cream, lowfat, mix	16,355	14,615	17,212	5.2	17.8
Ice cream, nonfat, mix	527	432	532	0.9	23.1
Sherbet mix	1,978	1,442	1,800	-9.0	24.8
Yogurt mix	2,717	2,310	2,430	-10.6	5.2

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
January 2017 and 2018**

Product	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,854	6,228	6,459	-27.0	3.7
Dry whey products					
Dry whey, human	79,907	81,896	87,148	9.1	6.4
Dry whey, animal	2,409	1,606	2,191	-9.0	36.4
Dry whey, total	82,316	83,502	89,339	8.5	7.0
Reduced lactose and minerals					
Human	3,680	1,629	1,895	-48.5	16.3
Animal	2,935	2,864	2,708	-7.7	-5.4
Whey protein concentrate					
Human ²	39,834	41,974	43,781	9.9	4.3
Animal ²	327	701	537	64.2	-23.4
Total ²	40,161	42,675	44,318	10.4	3.9
25.0-49.9 percent ³	14,995	15,345	16,680	11.2	8.7
50.0-89.9 percent ³	25,166	27,330	27,638	9.8	1.1
Whey protein isolates ⁴	10,019	9,631	9,561	-4.6	-0.7
Lactose, human and animal	92,658	96,863	94,085	1.5	-2.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	66,938	97,442	86,070	28.6	-11.7
Dry whey, animal	813	1,654	1,083	33.2	-34.5
Dry whey, total	67,751	99,096	87,153	28.6	-12.1
Reduced Lactose and minerals					
Human and animal ⁶	6,340	5,067	4,614	-27.2	-8.9
Whey protein concentrate					
Human ²	58,280	83,635	84,069	44.3	0.5
Animal ²	1,395	899	909	-34.8	1.1
Total ²	59,675	84,534	84,978	42.4	0.5
25.0-49.9 percent ³	21,756	24,830	25,136	15.5	1.2
50.0-89.9 percent ³	37,919	59,704	59,842	57.8	0.2
Whey protein isolates ⁴	23,809	27,562	27,197	14.2	-1.3
Lactose, human and animal	110,797	135,175	129,277	16.7	-4.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	10.1	15.7	16.3	6.2	0.6

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:
January 2017 and 2018**

Product	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	141,015	105,194	134,072	-4.9	27.5
Dry milk products					
Dry buttermilk, total	11,788	11,184	13,090	11.0	17.0
Dry skim milk, animal	743	904	816	9.8	-9.7
Dry whole milk	11,903	11,324	10,081	-15.3	-11.0
Milk protein concentrate, total ¹	17,299	15,431	18,117	4.7	17.4
Nonfat dry milk, human	153,374	163,672	161,706	5.4	-1.2
Skim milk powder, total ²	55,264	49,895	45,753	-17.2	-8.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	22,272	23,674	25,072	12.6	5.9
Dry skim milk, animal	1,864	1,743	2,406	29.1	38.0
Dry whole milk	18,034	31,007	34,137	89.3	10.1
Nonfat dry milk, human	226,786	320,091	340,196	50.0	6.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	146,788	129,654	131,652	-10.3	1.5

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: 2017 and 2018

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,044,983	1,080,886	3.4	1,044,983	1,080,886	3.4
February	942,361			1,987,344		
March	1,061,402			3,048,746		
April	1,042,783			4,091,529		
May	1,055,063			5,146,592		
June	1,029,638			6,176,230		
July	1,034,596			7,210,826		
August	1,028,400			8,239,226		
September	1,013,341			9,252,567		
October	1,076,849			10,329,416		
November	1,056,834			11,386,250		
December	1,091,674			12,477,924		
Total American cheese types ²						
January	417,584	428,880	2.7	417,584	428,880	2.7
February	373,688			791,272		
March	415,940			1,207,212		
April	423,774			1,630,986		
May	426,550			2,057,536		
June	403,258			2,460,794		
July	400,509			2,861,303		
August	398,766			3,260,069		
September	393,892			3,653,961		
October	418,155			4,072,116		
November	402,864			4,474,980		
December	433,111			4,908,091		
Cheddar cheese						
January	311,603	312,430	0.3	311,603	312,430	0.3
February	275,988			587,591		
March	309,569			897,160		
April	318,867			1,216,027		
May	311,990			1,528,017		
June	287,357			1,815,374		
July	285,133			2,100,507		
August	283,813			2,384,320		
September	282,002			2,666,322		
October	294,992			2,961,314		
November	286,466			3,247,780		
December	317,143			3,564,923		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	454,006	469,648	3.4	454,006	469,648	3.4
February	406,570			860,576		
March	469,197			1,329,773		
April	447,658			1,777,431		
May	452,567			2,229,998		
June	449,930			2,679,928		
July	451,732			3,131,660		
August	436,258			3,567,918		
September	433,570			4,001,488		
October	457,367			4,458,855		
November	455,794			4,914,649		
December	467,277			5,381,926		
Mozzarella						
January	352,375	363,132	3.1	352,375	363,132	3.1
February	314,758			667,133		
March	361,564			1,028,697		
April	347,614			1,376,311		
May	350,712			1,727,023		
June	349,793			2,076,816		
July	352,474			2,429,290		
August	335,818			2,765,108		
September	333,695			3,098,803		
October	349,517			3,448,320		
November	351,504			3,799,824		
December	363,476			4,163,300		
Other Italian cheese types						
January	6,337	5,467	-13.7	6,337	5,467	-13.7
February	6,293			12,630		
March	7,498			20,128		
April	6,544			26,672		
May	6,553			33,225		
June	6,953			40,178		
July	6,093			46,271		
August	5,719			51,990		
September	6,625			58,615		
October	6,176			64,791		
November	7,242			72,033		
December	5,996			78,029		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	177,818	185,460	4.3	177,818	185,460	4.3
February	161,052			338,870		
March	176,067			514,937		
April	162,519			677,456		
May	163,524			840,980		
June	140,157			981,137		
July	135,834			1,116,971		
August	131,188			1,248,159		
September	134,357			1,382,516		
October	143,382			1,525,898		
November	147,425			1,673,323		
December	170,188			1,843,511		
Nonfat dry milk, human						
January	153,374	161,706	5.4	153,374	161,706	5.4
February	141,402			294,776		
March	159,742			454,518		
April	171,889			626,407		
May	168,325			794,732		
June	163,344			958,076		
July	148,073			1,106,149		
August	135,479			1,241,628		
September	133,485			1,375,113		
October	144,659			1,519,772		
November	142,352			1,662,124		
December	163,672			1,825,796		
Skim milk powder, total ³						
January	55,264	45,753	-17.2	55,264	45,753	-17.2
February	40,031			95,295		
March	52,693			147,988		
April	50,206			198,194		
May	51,012			249,206		
June	39,997			289,203		
July	51,788			340,991		
August	45,793			386,784		
September	29,793			416,577		
October	25,612			442,189		
November	41,887			484,076		
December	49,895			533,971		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	82,316	89,339	8.5	82,316	89,339	8.5
February	77,997			160,313		
March	86,689			247,002		
April	84,615			331,617		
May	82,950			414,567		
June	88,064			502,631		
July	100,402			603,033		
August	94,277			697,310		
September	91,302			788,612		
October	80,728			869,340		
November	81,632			950,972		
December	83,502			1,034,474		
Lactose, human and animal						
January	92,658	94,085	1.5	92,658	94,085	1.5
February	84,794			177,452		
March	97,334			274,786		
April	95,901			370,687		
May	94,919			465,606		
June	97,069			562,675		
July	99,539			662,214		
August	97,226			759,440		
September	95,016			854,456		
October	93,260			947,716		
November	86,001			1,033,717		
December	96,863			1,130,580		
Whey protein concentrate, total						
January	40,161	44,318	10.4	40,161	44,318	10.4
February	36,064			76,225		
March	42,338			118,563		
April	42,890			161,453		
May	42,774			204,227		
June	40,751			244,978		
July	42,040			287,018		
August	38,106			325,124		
September	38,891			364,015		
October	41,059			405,074		
November	40,994			446,068		
December	42,675			488,743		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	23,743	25,356	6.8	23,743	25,356	6.8
February	26,208			49,951		
March	28,381			78,332		
April	25,568			103,900		
May	29,071			132,971		
June	27,754			160,725		
July	27,774			188,499		
August	30,295			218,794		
September	26,976			245,770		
October	28,867			274,637		
November	26,307			300,944		
December	26,038			326,982		
Cottage cheese, lowfat						
January	26,988	26,945	-0.2	26,988	26,945	-0.2
February	28,297			55,285		
March	30,809			86,094		
April	29,731			115,825		
May	31,324			147,149		
June	27,804			174,953		
July	28,068			203,021		
August	31,571			234,592		
September	27,553			262,145		
October	30,270			292,415		
November	26,391			318,806		
December	25,339			344,145		
Sour cream						
January	111,173	116,594	4.9	111,173	116,594	4.9
February	100,873			212,046		
March	115,459			327,505		
April	108,816			436,321		
May	118,460			554,781		
June	117,623			672,404		
July	107,802			780,206		
August	117,657			897,863		
September	108,089			1,005,952		
October	125,192			1,131,144		
November	128,704			1,259,848		
December	121,355			1,381,203		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	57,108	56,572	-0.9	57,108	56,572	-0.9
February	58,971			116,079		
March	75,411			191,490		
April	69,572			261,062		
May	72,703			333,765		
June	75,426			409,191		
July	70,705			479,896		
August	73,477			553,373		
September	60,924			614,297		
October	58,215			672,512		
November	50,343			722,855		
December	49,480			772,335		
Ice cream, lowfat total						
January	28,935	30,541	5.6	28,935	30,541	5.6
February	34,035			62,970		
March	41,263			104,233		
April	39,010			143,243		
May	43,609			186,852		
June	44,929			231,781		
July	42,299			274,080		
August	43,250			317,330		
September	32,551			349,881		
October	32,603			382,484		
November	26,486			408,970		
December	25,936			434,906		
Sherbet, hard						
January	3,024	2,928	-3.2	3,024	2,928	-3.2
February	2,710			5,734		
March	3,530			9,264		
April	3,463			12,727		
May	3,290			16,017		
June	3,582			19,599		
July	2,978			22,577		
August	3,483			26,060		
September	3,192			29,252		
October	2,675			31,927		
November	2,777			34,704		
December	2,210			36,914		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

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

Product and month	By month			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	374,817	368,653	-1.6	374,817	368,653	-1.6
February	363,051			737,868		
March	399,565			1,137,433		
April	368,594			1,506,027		
May	374,375			1,880,402		
June	369,950			2,250,352		
July	342,213			2,592,565		
August	388,659			2,981,224		
September	386,285			3,367,509		
October	359,744			3,727,253		
November	310,270			4,037,523		
December	355,854			4,393,377		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,817	4,758	-1.2	4,817	4,758	-1.2
February	5,124			9,941		
March	7,459			17,400		
April	6,820			24,220		
May	6,056			30,276		
June	6,057			36,333		
July	5,475			41,808		
August	5,503			47,311		
September	4,899			52,210		
October	4,559			56,769		
November	4,289			61,058		
December	4,235			65,293		

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States and United States:
January 2017 and 2018**

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	210,969	217,423	216,647	2.7	-0.4
Idaho	82,439	84,748	85,091	3.2	0.4
Illinois	5,307	7,272	5,533	4.3	-23.9
Iowa	23,688	21,179	22,597	-4.6	6.7
Minnesota	57,218	62,858	60,820	6.3	-3.2
New Jersey	4,082	5,363	4,936	20.9	-8.0
New Mexico	67,436	66,689	68,201	1.1	2.3
Ohio	17,788	20,109	21,063	18.4	4.7
Pennsylvania	35,803	34,993	36,974	3.3	5.7
South Dakota	20,925	25,666	25,658	22.6	-
Vermont	12,256	12,614	12,277	0.2	-2.7
Wisconsin	276,195	289,844	283,924	2.8	-2.0
Other States ¹	230,877	242,916	237,165	2.7	-2.4
United States	1,044,983	1,091,674	1,080,886	3.4	-1.0
Atlantic	133,557	139,047	137,292	2.8	-1.3
Central	469,990	497,864	489,542	4.2	-1.7
West	441,436	454,763	454,052	2.9	-0.2

- Represents zero.

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

American Cheese Production – States and United States: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,077	56,105	53,666	-0.8	-4.3
Idaho	51,365	53,175	55,350	7.8	4.1
Iowa	16,428	12,033	13,331	-18.9	10.8
Oregon	16,916	17,725	17,468	3.3	-1.4
Pennsylvania	54	165	62	14.8	-62.4
Wisconsin	83,522	89,186	86,000	3.0	-3.6
Other States ¹	195,222	204,722	203,003	4.0	-0.8
United States	417,584	433,111	428,880	2.7	-1.0
Atlantic	26,705	27,757	27,075	1.4	-2.5
Central	205,383	216,741	211,698	3.1	-2.3
West	185,496	188,613	190,107	2.5	0.8

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

Cheddar Cheese Production – States and United States: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	32,248	31,682	31,058	-3.7	-2.0
Idaho	41,319	43,517	43,896	6.2	0.9
Iowa	11,268	6,418	7,937	-29.6	23.7
Minnesota	44,886	50,100	50,060	11.5	-0.1
Vermont	8,473	8,960	8,754	3.3	-2.3
Wisconsin	59,499	62,884	60,100	1.0	-4.4
Other States ¹	113,910	113,582	110,625	-2.9	-2.6
United States	311,603	317,143	312,430	0.3	-1.5
Atlantic	25,635	26,748	26,124	1.9	-2.3
Central	148,015	155,637	151,946	2.7	-2.4
West	137,953	134,758	134,360	-2.6	-0.3

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: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	137,953	137,440	142,319	3.2	3.5
Idaho	24,772	25,914	23,336	-5.8	-9.9
Pennsylvania	22,388	21,058	22,577	0.8	7.2
Wisconsin	140,913	147,168	143,814	2.1	-2.3
Other States ¹	127,980	135,697	137,602	7.5	1.4
United States	454,006	467,277	469,648	3.4	0.5
Atlantic	57,852	60,302	60,020	3.7	-0.5
Central	181,199	189,849	189,391	4.5	-0.2
West	214,955	217,126	220,237	2.5	1.4

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

Mozzarella Cheese Production – States and United States: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	125,107	125,944	127,839	2.2	1.5
Idaho	23,260	24,218	22,452	-3.5	-7.3
Pennsylvania	19,592	18,143	19,603	0.1	8.0
Wisconsin	91,765	96,535	93,100	1.5	-3.6
Other States ¹	92,651	98,636	100,138	8.1	1.5
United States	352,375	363,476	363,132	3.1	-0.1
Atlantic	38,335	39,363	38,941	1.6	-1.1
Central	114,759	121,675	120,456	5.0	-1.0
West	199,281	202,438	203,735	2.2	0.6

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

Butter Production – States and United States: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,552	50,282	53,869	4.5	7.1
Pennsylvania	9,388	8,862	8,860	-5.6	-
Other States ¹	116,878	111,044	122,731	5.0	10.5
United States	177,818	170,188	185,460	4.3	9.0
Atlantic	22,049	18,290	22,960	4.1	25.5
Central	75,438	70,360	75,721	0.4	7.6
West	80,331	81,538	86,779	8.0	6.4

- 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: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,490	55,900	57,858	8.2	3.5
Pennsylvania	15,929	15,864	16,260	2.1	2.5
Other States ¹	83,955	91,908	87,588	4.3	-4.7
United States	153,374	163,672	161,706	5.4	-1.2
Atlantic	29,011	30,484	28,118	-3.1	-7.8
Central	28,241	31,288	31,198	10.5	-0.3
West	96,122	101,900	102,390	6.5	0.5

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: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin	27,703	28,188	29,519	6.6	4.7
Other States ¹	52,204	53,708	57,629	10.4	7.3
United States	79,907	81,896	87,148	9.1	6.4
Atlantic	22,312	20,652	20,521	-8.0	-0.6
Central	39,342	40,305	42,059	6.9	4.4
West	18,253	20,939	24,568	34.6	17.3

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: January 2017 and 2018

State	January 2017	December 2017	January 2018	Change from	
				January 2017	December 2017
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	9,478	5,131	5,901	-37.7	15.0
Connecticut	886	735	900	1.6	22.4
Missouri	2,119	1,394	4,315	103.6	209.5
Ohio	1,768	1,720	2,038	15.3	18.5
Oregon	838	957	894	6.7	-6.6
Pennsylvania	2,893	3,803	2,881	-0.4	-24.2
Wisconsin	1,355	761	898	-33.7	18.0
Other States ¹	37,771	34,979	38,745	2.6	10.8
United States	57,108	49,480	56,572	-0.9	14.3
Atlantic	13,219	11,873	12,395	-6.2	4.4
Central	29,548	28,312	32,935	11.5	16.3
West	14,341	9,295	11,242	-21.6	20.9

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

Dairy Products Regions



- West:** Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.
- Central:** Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin
- Atlantic:** Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

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.

Travis Averill, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
Donnie Fike – Dairy Products	(202) 690-3236
Heidi Gleich – 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
Vacant – Sheep and Goats	(202) 720-0585

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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 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.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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USDA NASS Data Users' Meeting
Tuesday, April 24, 2018

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, Illinois 60611
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2018 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php). Contact Tina Hall (NASS) at 202-720-3896 or tina.hall@nass.usda.gov or Patricia Snipe (NASS) at 202-720-2248 or patricia.snipe@nass.usda.gov for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 25, 2018. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>) or contact James Robb at 303-716-9933.