



# Dairy Products

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## March 2018 Highlights

**Total cheese** output (excluding cottage cheese) was 1.10 billion pounds, 2.7 percent above March 2017 and 11.6 percent above February 2018.

**Italian type cheese** production totaled 482 million pounds, 2.5 percent above March 2017 and 12.9 percent above February 2018.

**American type cheese** production totaled 437 million pounds, 1.7 percent above March 2017 and 10.0 percent above February 2018.

**Butter** production was 186 million pounds, 4.8 percent above March 2017 and 9.1 percent above February 2018.

### **Dry milk products** (comparisons in percentage with March 2017)

Nonfat dry milk, human - 180 million pounds, up 12.0 percent.

Skim milk powder - 41.0 million pounds, down 22.2 percent.

### **Whey products** (comparisons in percentage with March 2017)

Dry whey, total - 88.0 million pounds, up 1.5 percent.

Lactose, human and animal - 98.9 million pounds, up 3.7 percent.

Whey protein concentrate, total - 43.6 million pounds, up 2.9 percent.

### **Frozen products** (comparisons in percentage with March 2017)

Ice cream, regular (hard) - 65.4 million gallons, down 11.8 percent.

Ice cream, lowfat (total) - 40.6 million gallons, down 8.0 percent.

Sherbet (hard) - 3.42 million gallons, down 9.2 percent.

Frozen yogurt (total) - 6.70 million gallons, down 3.1 percent.

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

Product	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	177,021	170,116	185,580	4.8	9.1
<b>Cheese</b>					
American types <sup>1</sup> .....	429,558	397,364	437,017	1.7	10.0
Cheddar .....	323,442	293,255	314,805	-2.7	7.3
Other American types .....	106,116	104,109	122,212	15.2	17.4
Blue and Gorgonzola .....	7,181	7,023	8,330	16.0	18.6
Brick and Muenster .....	15,931	14,108	15,328	-3.8	8.6
Cream and Neufchatel .....	66,181	66,389	73,733	11.4	11.1
Feta .....	10,802	9,463	10,475	-3.0	10.7
Gouda .....	5,984	4,662	6,021	0.6	29.2
Hispanic .....	26,002	20,953	25,894	-0.4	23.6
Italian types .....	470,053	426,472	481,627	2.5	12.9
Mozzarella .....	361,368	327,413	371,544	2.8	13.5
Parmesan .....	39,191	38,608	41,250	5.3	6.8
Provolone .....	34,993	29,276	34,017	-2.8	16.2
Ricotta .....	22,618	20,791	23,208	2.6	11.6
Romano .....	4,269	4,704	5,360	25.6	13.9
Other Italian types .....	7,614	5,680	6,248	-17.9	10.0
Swiss .....	26,846	26,038	27,973	4.2	7.4
All other types .....	13,281	13,497	14,304	7.7	6.0
<b>Total cheese</b> <sup>2</sup> .....	<b>1,071,819</b>	<b>985,969</b>	<b>1,100,702</b>	<b>2.7</b>	<b>11.6</b>
Cottage cheese, curd <sup>3</sup> .....	34,803	28,064	35,320	1.5	25.9
Cottage cheese, cream <sup>4</sup> .....	29,010	26,932	32,816	13.1	21.8
Cottage cheese, lowfat <sup>5</sup> .....	30,711	27,567	31,255	1.8	13.4
Sour cream .....	115,648	98,994	116,615	0.8	17.8
Yogurt, plain and flavored .....	411,605	375,716	392,344	-4.7	4.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	74,168	55,411	65,419	-11.8	18.1
Ice cream, lowfat, hard .....	20,773	18,912	20,542	-1.1	8.6
Ice cream, lowfat, soft .....	23,416	14,937	20,097	-14.2	34.5
Ice cream, lowfat, total <sup>6</sup> .....	44,189	33,849	40,639	-8.0	20.1
Ice cream, nonfat, hard .....	695	727	829	19.3	14.0
Sherbet, hard .....	3,770	2,995	3,422	-9.2	14.3
Frozen yogurt, total .....	6,912	4,624	6,695	-3.1	44.8
Regular and lowfat, hard .....	2,541	1,187	2,088	-17.8	75.9
Nonfat, hard .....	830	537	794	-4.3	47.9
Other frozen dairy products .....	2,143	1,717	1,956	-8.7	13.9
Water and juice ices .....	6,878	5,218	6,659	-3.2	27.6
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	44,640	33,358	38,783	-13.1	16.3
Ice cream, lowfat, mix <sup>7</sup> .....	23,043	18,898	22,846	-0.9	20.9
Ice cream, nonfat, mix .....	726	594	856	17.9	44.1
Sherbet mix .....	2,581	2,030	2,247	-12.9	10.7
Yogurt mix .....	3,759	2,622	3,350	-10.9	27.8

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

<sup>2</sup> Excludes Cottage Cheese.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>4</sup> Fat content 4 percent or more.

<sup>5</sup> Fat content less than 4 percent.

<sup>6</sup> Includes freezer-made milkshake.

<sup>7</sup> Includes milkshake mix.

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

Product	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	9,718	6,691	7,164	-26.3	7.1
Dry whey products					
Dry whey, human .....	85,204	88,836	86,530	1.6	-2.6
Dry whey, animal .....	1,485	763	1,496	0.7	96.1
Dry whey, total .....	86,689	89,599	88,026	1.5	-1.8
Reduced lactose and minerals					
Human .....	2,551	1,413	2,401	-5.9	69.9
Animal .....	2,687	2,633	2,691	0.1	2.2
Whey protein concentrate					
Human <sup>2</sup> .....	41,960	39,054	43,248	3.1	10.7
Animal <sup>2</sup> .....	394	337	339	-14.0	0.6
Total <sup>2</sup> .....	42,354	39,391	43,587	2.9	10.7
25.0-49.9 percent <sup>3</sup> .....	15,967	13,530	14,330	-10.3	5.9
50.0-89.9 percent <sup>3</sup> .....	26,387	25,861	29,257	10.9	13.1
Whey protein isolates <sup>4</sup> .....	9,690	8,498	10,017	3.4	17.9
Lactose, human and animal .....	95,317	86,294	98,884	3.7	14.6
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	75,515	86,894	73,687	-2.4	-15.2
Dry whey, animal .....	1,896	1,443	1,025	-45.9	-29.0
Dry whey, total .....	77,411	88,337	74,712	-3.5	-15.4
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	5,573	4,402	4,321	-22.5	-1.8
Whey protein concentrate					
Human <sup>2</sup> .....	61,779	80,033	77,425	25.3	-3.3
Animal <sup>2</sup> .....	474	743	622	31.2	-16.3
Total <sup>2</sup> .....	62,253	80,776	78,047	25.4	-3.4
25.0-49.9 percent <sup>3</sup> .....	23,663	25,755	23,119	-2.3	-10.2
50.0-89.9 percent <sup>3</sup> .....	38,590	55,021	54,928	42.3	-0.2
Whey protein isolates <sup>4</sup> .....	24,363	27,894	26,713	9.6	-4.2
Lactose, human and animal .....	124,401	117,131	114,753	-7.8	-2.0
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	13.8	14.8	14.2	0.4	-0.6

<sup>1</sup> Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:  
March 2017 and 2018**

Product	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	139,489	113,576	134,838	-3.3	18.7
Dry milk products					
Dry buttermilk, total .....	9,849	11,511	12,347	25.4	7.3
Dry skim milk, animal .....	983	1,553	1,092	11.1	-29.7
Dry whole milk .....	11,207	19,441	21,582	92.6	11.0
Milk protein concentrate, total <sup>1</sup> .....	13,724	10,210	12,768	-7.0	25.1
Nonfat dry milk, human .....	160,916	157,833	180,255	12.0	14.2
Skim milk powder, total <sup>2</sup> .....	52,693	37,666	40,996	-22.2	8.8
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	27,291	25,453	25,934	-5.0	1.9
Dry skim milk, animal .....	2,385	2,949	3,412	43.1	15.7
Dry whole milk .....	22,284	37,328	46,050	106.7	23.4
Nonfat dry milk, human .....	246,484	298,413	297,987	20.9	-0.1
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	168,339	146,587	165,632	-1.6	13.0

<sup>1</sup> Dry milk protein concentrate, 40-89.9 percent.

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

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> For dry products, shipments of bulk goods.

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

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

Product and month	Monthly			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)
<b>Total cheese <sup>1</sup></b>						
January .....	1,064,232	1,096,520	3.0	1,064,232	1,096,520	3.0
February .....	957,650	985,969	3.0	2,021,882	2,082,489	3.0
March .....	1,071,819	1,100,702	2.7	3,093,701	3,183,191	2.9
April .....	1,057,848			4,151,549		
May .....	1,076,171			5,227,720		
June .....	1,045,875			6,273,595		
July .....	1,051,675			7,325,270		
August .....	1,046,041			8,371,311		
September .....	1,024,757			9,396,068		
October .....	1,086,865			10,482,933		
November .....	1,070,668			11,553,601		
December .....	1,105,490			12,659,091		
<b>Total American cheese types <sup>2</sup></b>						
January .....	434,627	433,670	-0.2	434,627	433,670	-0.2
February .....	390,314	397,364	1.8	824,941	831,034	0.7
March .....	429,558	437,017	1.7	1,254,499	1,268,051	1.1
April .....	434,657			1,689,156		
May .....	443,083			2,132,239		
June .....	419,260			2,551,499		
July .....	414,495			2,965,994		
August .....	414,280			3,380,274		
September .....	403,544			3,783,818		
October .....	430,485			4,214,303		
November .....	413,714			4,628,017		
December .....	443,974			5,071,991		
<b>Cheddar cheese</b>						
January .....	327,328	318,254	-2.8	327,328	318,254	-2.8
February .....	291,508	293,255	0.6	618,836	611,509	-1.2
March .....	323,442	314,805	-2.7	942,278	926,314	-1.7
April .....	329,671			1,271,949		
May .....	327,456			1,599,405		
June .....	302,090			1,901,495		
July .....	298,285			2,199,780		
August .....	298,306			2,498,086		
September .....	291,755			2,789,841		
October .....	307,833			3,097,674		
November .....	296,598			3,394,272		
December .....	327,062			3,721,334		

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	Monthly			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)
<b>Total Italian cheese types</b>						
January .....	454,575	474,348	4.3	454,575	474,348	4.3
February .....	406,179	426,472	5.0	860,754	900,820	4.7
March .....	470,053	481,627	2.5	1,330,807	1,382,447	3.9
April .....	447,937			1,778,744		
May .....	452,332			2,231,076		
June .....	450,027			2,681,103		
July .....	451,922			3,133,025		
August .....	437,003			3,570,028		
September .....	432,619			4,002,647		
October .....	454,641			4,457,288		
November .....	456,821			4,914,109		
December .....	469,755			5,383,864		
<b>Mozzarella</b>						
January .....	352,768	366,988	4.0	352,768	366,988	4.0
February .....	314,602	327,413	4.1	667,370	694,401	4.1
March .....	361,368	371,544	2.8	1,028,738	1,065,945	3.6
April .....	347,399			1,376,137		
May .....	350,530			1,726,667		
June .....	349,363			2,076,030		
July .....	352,014			2,428,044		
August .....	335,867			2,763,911		
September .....	332,180			3,096,091		
October .....	347,688			3,443,779		
November .....	351,511			3,795,290		
December .....	365,309			4,160,599		
<b>Other Italian cheese types</b>						
January .....	6,600	5,549	-15.9	6,600	5,549	-15.9
February .....	6,498	5,680	-12.6	13,098	11,229	-14.3
March .....	7,614	6,248	-17.9	20,712	17,477	-15.6
April .....	6,666			27,378		
May .....	6,556			33,934		
June .....	7,009			40,943		
July .....	6,055			46,998		
August .....	5,634			52,632		
September .....	6,747			59,379		
October .....	6,271			65,650		
November .....	7,247			72,897		
December .....	6,351			79,248		

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	Monthly			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)
<b>Butter</b>						
January .....	178,060	182,088	2.3	178,060	182,088	2.3
February .....	161,013	170,116	5.7	339,073	352,204	3.9
March .....	177,021	185,580	4.8	516,094	537,784	4.2
April .....	161,956			678,050		
May .....	163,397			841,447		
June .....	139,200			980,647		
July .....	135,625			1,116,272		
August .....	131,152			1,247,424		
September .....	134,552			1,381,976		
October .....	144,671			1,526,647		
November .....	149,721			1,676,368		
December .....	171,105			1,847,473		
<b>Nonfat dry milk, human</b>						
January .....	153,848	160,301	4.2	153,848	160,301	4.2
February .....	143,231	157,833	10.2	297,079	318,134	7.1
March .....	160,916	180,255	12.0	457,995	498,389	8.8
April .....	172,821			630,816		
May .....	167,910			798,726		
June .....	162,814			961,540		
July .....	151,825			1,113,365		
August .....	136,753			1,250,118		
September .....	134,572			1,384,690		
October .....	145,008			1,529,698		
November .....	141,440			1,671,138		
December .....	164,014			1,835,152		
<b>Skim milk powder, total <sup>3</sup></b>						
January .....	55,590	45,753	-17.7	55,590	45,753	-17.7
February .....	41,391	37,666	-9.0	96,981	83,419	-14.0
March .....	52,693	40,996	-22.2	149,674	124,415	-16.9
April .....	50,206			199,880		
May .....	51,012			250,892		
June .....	39,515			290,407		
July .....	47,842			338,249		
August .....	44,813			383,062		
September .....	29,102			412,164		
October .....	25,965			438,129		
November .....	41,609			479,738		
December .....	49,895			529,633		

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	Monthly			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)
<b>Dry whey, total <sup>4</sup></b>						
January .....	82,255	90,319	9.8	82,255	90,319	9.8
February .....	77,895	89,599	15.0	160,150	179,918	12.3
March .....	86,689	88,026	1.5	246,839	267,944	8.6
April .....	84,640			331,479		
May .....	82,950			414,429		
June .....	88,064			502,493		
July .....	100,402			602,895		
August .....	94,276			697,171		
September .....	91,302			788,473		
October .....	80,750			869,223		
November .....	81,657			950,880		
December .....	86,024			1,036,904		
<b>Lactose, human and animal</b>						
January .....	92,320	94,834	2.7	92,320	94,834	2.7
February .....	84,386	86,294	2.3	176,706	181,128	2.5
March .....	95,317	98,884	3.7	272,023	280,012	2.9
April .....	96,265			368,288		
May .....	93,634			461,922		
June .....	96,082			558,004		
July .....	98,117			656,121		
August .....	96,679			752,800		
September .....	94,903			847,703		
October .....	93,098			940,801		
November .....	86,105			1,026,906		
December .....	97,251			1,124,157		
<b>Whey protein concentrate, total</b>						
January .....	40,329	43,461	7.8	40,329	43,461	7.8
February .....	36,110	39,391	9.1	76,439	82,852	8.4
March .....	42,354	43,587	2.9	118,793	126,439	6.4
April .....	42,062			160,855		
May .....	41,612			202,467		
June .....	40,297			242,764		
July .....	41,192			283,956		
August .....	38,339			322,295		
September .....	38,720			361,015		
October .....	40,796			401,811		
November .....	40,551			442,362		
December .....	41,914			484,276		

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	Monthly			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)
<b>Cottage cheese, cream</b>						
January .....	26,122	25,546	-2.2	26,122	25,546	-2.2
February .....	25,698	26,932	4.8	51,820	52,478	1.3
March .....	29,010	32,816	13.1	80,830	85,294	5.5
April .....	25,942			106,772		
May .....	29,538			136,310		
June .....	27,626			163,936		
July .....	28,007			191,943		
August .....	30,434			222,377		
September .....	27,146			249,523		
October .....	28,829			278,352		
November .....	26,066			304,418		
December .....	26,066			330,484		
<b>Cottage cheese, lowfat</b>						
January .....	28,655	26,867	-6.2	28,655	26,867	-6.2
February .....	28,142	27,567	-2.0	56,797	54,434	-4.2
March .....	30,711	31,255	1.8	87,508	85,689	-2.1
April .....	29,610			117,118		
May .....	31,746			148,864		
June .....	27,924			176,788		
July .....	28,450			205,238		
August .....	31,370			236,608		
September .....	27,396			264,004		
October .....	29,205			293,209		
November .....	26,060			319,269		
December .....	25,152			344,421		
<b>Sour cream</b>						
January .....	113,967	118,603	4.1	113,967	118,603	4.1
February .....	99,700	98,994	-0.7	213,667	217,597	1.8
March .....	115,648	116,615	0.8	329,315	334,212	1.5
April .....	109,615			438,930		
May .....	118,884			557,814		
June .....	117,764			675,578		
July .....	107,401			782,979		
August .....	118,709			901,688		
September .....	108,314			1,010,002		
October .....	126,023			1,136,025		
November .....	129,312			1,265,337		
December .....	121,812			1,387,149		

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	Monthly			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)
<b>Ice cream, regular hard</b>						
January .....	56,500	54,718	-3.2	56,500	54,718	-3.2
February .....	58,988	55,411	-6.1	115,488	110,129	-4.6
March .....	74,168	65,419	-11.8	189,656	175,548	-7.4
April .....	69,711			259,367		
May .....	72,167			331,534		
June .....	74,788			406,322		
July .....	69,394			475,716		
August .....	73,596			549,312		
September .....	60,596			609,908		
October .....	56,616			666,524		
November .....	49,618			716,142		
December .....	46,520			762,662		
<b>Ice cream, lowfat total</b>						
January .....	31,934	31,241	-2.2	31,934	31,241	-2.2
February .....	38,363	33,849	-11.8	70,297	65,090	-7.4
March .....	44,189	40,639	-8.0	114,486	105,729	-7.6
April .....	41,293			155,779		
May .....	45,772			201,551		
June .....	45,860			247,411		
July .....	42,769			290,180		
August .....	43,344			333,524		
September .....	35,226			368,750		
October .....	34,566			403,316		
November .....	27,946			431,262		
December .....	28,552			459,814		
<b>Sherbet, hard</b>						
January .....	3,295	2,975	-9.7	3,295	2,975	-9.7
February .....	3,005	2,995	-0.3	6,300	5,970	-5.2
March .....	3,770	3,422	-9.2	10,070	9,392	-6.7
April .....	3,788			13,858		
May .....	3,582			17,440		
June .....	3,819			21,259		
July .....	3,319			24,578		
August .....	3,697			28,275		
September .....	3,282			31,557		
October .....	2,542			34,099		
November .....	2,352			36,451		
December .....	2,181			38,632		

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	Monthly			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 .....	381,750	365,342	-4.3	381,750	365,342	-4.3
February .....	369,841	375,716	1.6	751,591	741,058	-1.4
March .....	411,605	392,344	-4.7	1,163,196	1,133,402	-2.6
April .....	375,287			1,538,483		
May .....	385,257			1,923,740		
June .....	376,335			2,300,075		
July .....	349,529			2,649,604		
August .....	396,182			3,045,786		
September .....	393,654			3,439,440		
October .....	368,558			3,807,998		
November .....	317,564			4,125,562		
December .....	352,746			4,478,308		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January .....	5,299	4,617	-12.9	5,299	4,617	-12.9
February .....	5,424	4,624	-14.7	10,723	9,241	-13.8
March .....	6,912	6,695	-3.1	17,635	15,936	-9.6
April .....	6,391			24,026		
May .....	5,771			29,797		
June .....	5,609			35,406		
July .....	5,192			40,598		
August .....	5,653			46,251		
September .....	4,557			50,808		
October .....	4,152			54,960		
November .....	4,070			59,030		
December .....	3,514			62,544		

<sup>1</sup> Excludes Cottage Cheese.

<sup>2</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>3</sup> Includes protein standardized and blends.

<sup>4</sup> Excludes all modified dry whey products.

## Total Cheese Production Excluding Cottage Cheese – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	216,541	198,744	215,738	-0.4	8.6
Idaho .....	83,127	72,350	86,103	3.6	19.0
Illinois .....	6,876	5,538	7,349	6.9	32.7
Iowa .....	20,001	21,235	22,814	14.1	7.4
Minnesota .....	61,760	57,565	63,894	3.5	11.0
New Jersey .....	5,414	4,078	5,604	3.5	37.4
New Mexico .....	66,700	64,770	76,063	14.0	17.4
Ohio .....	19,790	18,749	20,122	1.7	7.3
Oregon .....	17,344	15,952	17,167	-1.0	7.6
Pennsylvania .....	34,158	30,918	37,253	9.1	20.5
South Dakota .....	24,700	23,000	25,406	2.9	10.5
Vermont .....	12,169	11,434	12,020	-1.2	5.1
Wisconsin .....	285,564	262,986	290,203	1.6	10.3
Other States <sup>1</sup> .....	217,675	198,650	220,966	1.5	11.2
United States .....	1,071,819	985,969	1,100,702	2.7	11.6
Atlantic .....	129,728	122,510	139,722	7.7	14.0
Central .....	496,211	452,101	498,429	0.4	10.2
West .....	445,880	411,358	462,551	3.7	12.4

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

### American Cheese Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	53,124	48,681	54,775	3.1	12.5
Idaho .....	49,845	48,804	52,553	5.4	7.7
Iowa .....	13,370	11,740	12,784	-4.4	8.9
Oregon .....	17,270	15,899	17,094	-1.0	7.5
Wisconsin .....	89,213	81,531	88,600	-0.7	8.7
Other States <sup>1</sup> .....	206,736	190,709	211,211	2.2	10.8
United States .....	429,558	397,364	437,017	1.7	10.0
Atlantic .....	28,112	25,929	28,753	2.3	10.9
Central .....	222,293	197,092	213,422	-4.0	8.3
West .....	179,153	174,343	194,842	8.8	11.8

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

### Cheddar Cheese Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	29,416	27,633	26,787	-8.9	-3.1
Idaho .....	41,659	39,024	42,243	1.4	8.2
Iowa .....	9,711	7,084	8,306	-14.5	17.3
Minnesota .....	49,495	46,213	49,335	-0.3	6.8
Oregon .....	14,756	13,727	13,454	-8.8	-2.0
Vermont .....	8,709	8,072	8,754	0.5	8.4
Wisconsin .....	62,297	59,105	63,700	2.3	7.8
Other States <sup>1</sup> .....	107,399	92,397	102,226	-4.8	10.6
United States .....	323,442	293,255	314,805	-2.7	7.3
Atlantic .....	27,129	24,740	27,541	1.5	11.3
Central .....	167,252	143,487	154,628	-7.5	7.8
West .....	129,061	125,028	132,636	2.8	6.1

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

### Total Italian Cheese Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	141,332	129,480	138,294	-2.1	6.8
Idaho .....	27,705	18,164	28,091	1.4	54.7
Pennsylvania .....	21,301	19,983	22,883	7.4	14.5
Wisconsin .....	147,059	133,307	150,176	2.1	12.7
Other States <sup>1</sup> .....	132,656	125,538	142,183	7.2	13.3
United States .....	470,053	426,472	481,627	2.5	12.9
Atlantic .....	57,829	54,430	61,769	6.8	13.5
Central .....	190,395	175,853	198,380	4.2	12.8
West .....	221,829	196,189	221,478	-0.2	12.9

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

### Mozzarella Cheese Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	128,713	115,973	126,392	-1.8	9.0
Idaho .....	26,570	17,656	27,198	2.4	54.0
Pennsylvania .....	18,225	16,524	19,591	7.5	18.6
Wisconsin .....	94,223	87,511	98,400	4.4	12.4
Other States <sup>1</sup> .....	93,637	89,749	99,963	6.8	11.4
United States .....	361,368	327,413	371,544	2.8	13.5
Atlantic .....	36,797	34,710	39,411	7.1	13.5
Central .....	118,744	111,558	125,406	5.6	12.4
West .....	205,827	181,145	206,727	0.4	14.1

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

### Butter Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	50,686	51,769	59,004	16.4	14.0
Pennsylvania .....	8,722	8,506	8,055	-7.6	-5.3
Other States <sup>1</sup> .....	117,613	109,841	118,521	0.8	7.9
United States .....	177,021	170,116	185,580	4.8	9.1
Atlantic .....	21,295	18,513	19,392	-8.9	4.7
Central .....	78,359	73,362	75,052	-4.2	2.3
West .....	77,367	78,241	91,136	17.8	16.5

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

### Nonfat Dry Milk (Human) Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	49,040	54,644	70,725	44.2	29.4
Pennsylvania .....	16,944	14,551	18,041	6.5	24.0
Other States <sup>1</sup> .....	94,932	88,638	91,489	-3.6	3.2
United States .....	160,916	157,833	180,255	12.0	14.2
Atlantic .....	34,148	26,949	36,128	5.8	34.1
Central .....	32,969	29,547	27,071	-17.9	-8.4
West .....	93,799	101,337	117,056	24.8	15.5

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

## Dry Whey (Human) Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin .....	26,381	28,782	30,316	14.9	5.3
Other States <sup>1</sup> .....	58,823	60,054	56,214	-4.4	-6.4
United States .....	85,204	88,836	86,530	1.6	-2.6
Atlantic .....	22,178	19,310	21,922	-1.2	13.5
Central .....	39,274	39,990	43,141	9.8	7.9
West .....	23,752	29,536	21,467	-9.6	-27.3

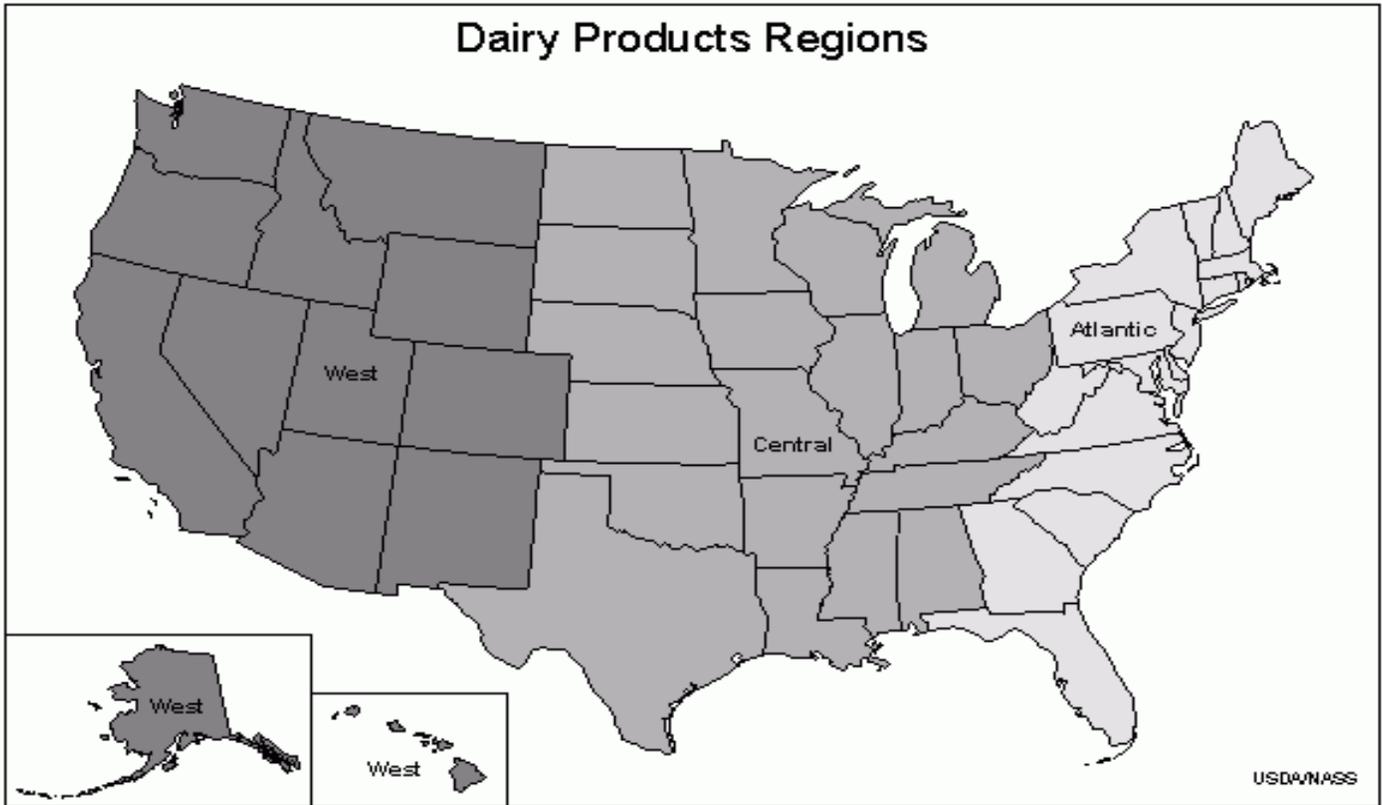
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

## Ice Cream, Regular (Hard) Production – States and United States: March 2017 and 2018

State	March 2017	February 2018	March 2018	Change from	
				March 2017	February 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	10,762	4,762	6,479	-39.8	36.1
Connecticut .....	1,232	997	1,258	2.1	26.2
Missouri .....	2,808	3,443	3,906	39.1	13.4
Ohio .....	2,619	2,039	2,232	-14.8	9.5
Oregon .....	1,273	944	1,192	-6.4	26.3
Pennsylvania .....	3,372	2,032	3,223	-4.4	58.6
Tennessee .....	2,318	1,757	2,200	-5.1	25.2
Utah .....	3,126	2,390	2,721	-13.0	13.8
Other States <sup>1</sup> .....	46,658	37,047	42,208	-9.5	13.9
United States .....	74,168	55,411	65,419	-11.8	18.1
Atlantic .....	14,255	12,315	15,129	6.1	22.9
Central .....	42,243	33,140	37,861	-10.4	14.2
West .....	17,670	9,956	12,429	-29.7	24.8

<sup>1</sup> 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 2017, there were 1,306 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

**Modes of data collection:** Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

**Terms and definitions:** Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

**Reliability:** Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

**Estimating Procedures:** In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

**Revision Policy:** Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

## Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Seth Riggins – Hogs and Pigs .....	(202) 720-3106

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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](mailto:nass@nass.usda.gov).

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