



# Dairy Products

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## March 2016 Highlights

**Total cheese** output (excluding cottage cheese) was 1.03 billion pounds, 1.8 percent above March 2015 and 7.8 percent above February 2016.

**Italian type cheese** production totaled 459 million pounds, 4.3 percent above March 2015 and 8.3 percent above February 2016.

**American type cheese** production totaled 399 million pounds, 0.9 percent above March 2015 and 8.9 percent above February 2016.

**Butter** production was 182 million pounds, 8.6 percent above March 2015 and 4.4 percent above February 2016.

### **Dry milk powders** (comparisons with March 2015)

Nonfat dry milk, human - 172 million pounds, down 5.1 percent.

Skim milk powders - 40.6 million pounds, up 2.8 percent.

### **Whey products** (comparisons with March 2015)

Dry whey, total - 83.0 million pounds, down 4.5 percent.

Lactose, human and animal - 95.6 million pounds, up 2.9 percent.

Whey protein concentrate, total - 38.3 million pounds, down 9.1 percent.

### **Frozen products** (comparisons with March 2015)

Ice cream, regular (hard) - 70.5 million gallons, down 1.8 percent.

Ice cream, lowfat (total) - 41.0 million gallons, up 7.5 percent.

Sherbet (hard) - 3.76 million gallons, down 5.8 percent.

Frozen yogurt (total) - 6.05 million gallons, down 3.6 percent.

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## Dairy Products Production by Product – United States: March 2015 and 2016

Product	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	167,503	174,353	181,992	8.6	4.4
<b>Cheese</b>					
American types <sup>1</sup> .....	395,913	366,870	399,380	0.9	8.9
Cheddar .....	287,127	257,550	284,469	-0.9	10.5
Other American types .....	108,786	109,320	114,911	5.6	5.1
Blue and Gorgonzola .....	8,197	7,206	8,205	0.1	13.9
Brick and Muenster .....	14,749	14,155	14,179	-3.9	0.2
Cream and Neufchatel .....	71,231	70,793	69,545	-2.4	-1.8
Feta .....	9,885	9,203	11,153	12.8	21.2
Gouda .....	6,469	4,639	5,410	-16.4	16.6
Hispanic .....	23,134	20,588	22,662	-2.0	10.1
Italian types .....	440,148	423,918	459,050	4.3	8.3
Mozzarella .....	342,753	332,553	359,295	4.8	8.0
Parmesan .....	30,741	31,521	31,751	3.3	0.7
Provolone .....	31,522	29,147	33,464	6.2	14.8
Ricotta .....	23,689	20,621	24,296	2.6	17.8
Romano .....	3,937	4,299	4,055	3.0	-5.7
Other Italian types .....	7,506	5,777	6,189	-17.5	7.1
Swiss .....	26,662	24,459	26,119	-2.0	6.8
All other types .....	15,013	13,220	13,703	-8.7	3.7
<b>Total cheese</b> .....	<b>1,011,401</b>	<b>955,051</b>	<b>1,029,406</b>	<b>1.8</b>	<b>7.8</b>
Cottage cheese, curd <sup>2</sup> .....	34,171	31,728	36,926	8.1	16.4
Cottage cheese, cream <sup>3</sup> .....	26,991	25,233	28,659	6.2	13.6
Cottage cheese, lowfat <sup>4</sup> .....	32,157	28,708	34,309	6.7	19.5
Sour cream .....	110,976	103,420	114,923	3.6	11.1
Yogurt, plain and flavored .....	436,581	396,799	413,328	-5.3	4.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	71,808	60,423	70,524	-1.8	16.7
Ice cream, lowfat, hard .....	19,594	14,439	18,211	-7.1	26.1
Ice cream, lowfat, soft .....	18,492	16,698	22,746	23.0	36.2
Ice cream, lowfat, total .....	38,086	31,137	40,957	7.5	31.5
Ice cream, nonfat, hard .....	848	450	513	-39.5	14.0
Sherbet, hard .....	3,989	3,200	3,757	-5.8	17.4
Frozen yogurt, total .....	6,283	5,377	6,054	-3.6	12.6
Regular and lowfat, hard .....	2,095	2,042	2,113	0.9	3.5
Nonfat, hard .....	761	547	694	-8.8	26.9
Other frozen dairy products .....	1,160	1,028	1,719	48.2	67.2
Water and juice ices .....	7,122	5,166	5,920	-16.9	14.6
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	42,224	33,784	39,171	-7.2	15.9
Ice cream, lowfat, mix .....	22,694	17,598	23,205	2.3	31.9
Ice cream, nonfat, mix .....	923	487	656	-28.9	34.7
Sherbet mix .....	2,633	2,115	2,538	-3.6	20.0
Yogurt mix .....	3,270	2,989	3,771	15.3	26.2

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

<sup>2</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>3</sup> Fat content 4 percent or more.

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

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:  
March 2015 and 2016**

Product	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,244	11,837	15,052	46.9	27.2
Dry whey products					
Dry whey, human .....	85,460	73,742	81,388	-4.8	10.4
Dry whey, animal .....	1,468	1,717	1,588	8.2	-7.5
Dry whey, total .....	86,928	75,459	82,976	-4.5	10.0
Reduced lactose and minerals					
Human .....	3,315	2,621	2,653	-20.0	1.2
Animal .....	2,467	2,360	2,623	6.3	11.1
Whey protein concentrate					
Human <sup>2</sup> .....	41,659	36,575	38,050	-8.7	4.0
Animal <sup>2</sup> .....	472	200	238	-49.6	19.0
Total <sup>2</sup> .....	42,131	36,775	38,288	-9.1	4.1
25.0-49.9 percent <sup>3</sup> .....	18,877	15,479	15,818	-16.2	2.2
50.0-89.9 percent <sup>3</sup> .....	23,254	21,296	22,470	-3.4	5.5
Whey protein isolates <sup>4</sup> .....	8,916	7,903	8,621	-3.3	9.1
Lactose, human and animal .....	92,896	83,897	95,618	2.9	14.0
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	71,695	75,888	75,904	5.9	0.0
Dry whey, animal .....	661	1,616	1,396	111.2	-13.6
Dry whey, total .....	72,356	77,504	77,300	6.8	-0.3
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	9,656	7,576	7,875	-18.4	3.9
Whey protein concentrate					
Human <sup>2</sup> .....	69,672	95,058	107,109	53.7	12.7
Animal <sup>2</sup> .....	1,119	616	690	-38.3	12.0
Total <sup>2</sup> .....	70,791	95,674	107,799	52.3	12.7
25.0-49.9 percent <sup>3</sup> .....	32,440	44,952	55,349	70.6	23.1
50.0-89.9 percent <sup>3</sup> .....	38,351	50,722	52,450	36.8	3.4
Whey protein isolates <sup>4</sup> .....	12,853	15,714	17,194	33.8	9.4
Lactose, human and animal .....	135,143	125,165	187,392	38.7	49.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	48.3	13.8	14.8	-33.5	1.0

<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 2015 and 2016**

Product	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	129,501	135,091	147,870	14.2	9.5
Dry milk products					
Dry buttermilk, total .....	8,773	10,817	9,618	9.6	-11.1
Dry skim milk, animal .....	918	669	1,068	16.3	59.6
Dry whole milk .....	13,617	8,647	9,968	-26.8	15.3
Milk protein concentrate, total <sup>1</sup> .....	12,146	16,597	14,979	23.3	-9.7
Nonfat dry milk, human .....	180,815	140,225	171,616	-5.1	22.4
Skim milk powder, total <sup>2</sup> .....	39,442	40,201	40,564	2.8	0.9
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	20,633	25,679	25,423	23.2	-1.0
Dry skim milk, animal .....	1,772	1,514	2,066	16.6	36.5
Dry whole milk .....	17,651	11,484	13,044	-26.1	13.6
Nonfat dry milk, human .....	250,569	216,568	231,852	-7.5	7.1
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	160,253	145,232	154,711	-3.5	6.5

<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: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total cheese</b>						
January .....	994,542	1,003,278	0.9	994,542	1,003,278	0.9
February .....	896,222	955,051	6.6	1,890,764	1,958,329	3.6
March .....	1,011,401	1,029,406	1.8	2,902,165	2,987,735	2.9
April .....	977,734			3,879,899		
May .....	986,103			4,866,002		
June .....	976,802			5,842,804		
July .....	1,003,072			6,845,876		
August .....	978,177			7,824,053		
September .....	966,057			8,790,110		
October .....	1,027,279			9,817,389		
November .....	984,720			10,802,109		
December .....	1,036,316			11,838,425		
<b>Total American cheese types <sup>1</sup></b>						
January .....	402,235	400,989	-0.3	402,235	400,989	-0.3
February .....	357,392	366,870	2.7	759,627	767,859	1.1
March .....	395,913	399,380	0.9	1,155,540	1,167,239	1.0
April .....	396,707			1,552,247		
May .....	407,684			1,959,931		
June .....	390,457			2,350,388		
July .....	397,252			2,747,640		
August .....	394,944			3,142,584		
September .....	379,532			3,522,116		
October .....	392,516			3,914,632		
November .....	380,090			4,294,722		
December .....	400,164			4,694,886		
<b>Cheddar cheese</b>						
January .....	296,775	296,492	-0.1	296,775	296,492	-0.1
February .....	262,614	257,550	-1.9	559,389	554,042	-1.0
March .....	287,127	284,469	-0.9	846,516	838,511	-0.9
April .....	287,362			1,133,878		
May .....	296,459			1,430,337		
June .....	287,963			1,718,300		
July .....	286,447			2,004,747		
August .....	279,375			2,284,122		
September .....	271,528			2,555,650		
October .....	278,831			2,834,481		
November .....	266,026			3,100,507		
December .....	292,957			3,393,464		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	433,575	435,176	0.4	433,575	435,176	0.4
February .....	389,448	423,918	8.9	823,023	859,094	4.4
March .....	440,148	459,050	4.3	1,263,171	1,318,144	4.4
April .....	421,271			1,684,442		
May .....	417,329			2,101,771		
June .....	422,827			2,524,598		
July .....	430,439			2,955,037		
August .....	402,279			3,357,316		
September .....	403,028			3,760,344		
October .....	437,762			4,198,106		
November .....	425,075			4,623,181		
December .....	465,574			5,088,755		
<b>Mozzarella</b>						
January .....	341,435	336,865	-1.3	341,435	336,865	-1.3
February .....	304,907	332,553	9.1	646,342	669,418	3.6
March .....	342,753	359,295	4.8	989,095	1,028,713	4.0
April .....	331,378			1,320,473		
May .....	331,276			1,651,749		
June .....	331,891			1,983,640		
July .....	339,588			2,323,228		
August .....	315,163			2,638,391		
September .....	317,118			2,955,509		
October .....	342,127			3,297,636		
November .....	333,437			3,631,073		
December .....	364,737			3,995,810		
<b>Other Italian cheese types</b>						
January .....	6,087	6,117	0.5	6,087	6,117	0.5
February .....	6,153	5,777	-6.1	12,240	11,894	-2.8
March .....	7,506	6,189	-17.5	19,746	18,083	-8.4
April .....	6,916			26,662		
May .....	6,481			33,143		
June .....	6,297			39,440		
July .....	5,692			45,132		
August .....	6,130			51,262		
September .....	5,560			56,822		
October .....	6,746			63,568		
November .....	6,312			69,880		
December .....	6,435			76,315		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	173,637	175,654	1.2	173,637	175,654	1.2
February .....	155,979	174,353	11.8	329,616	350,007	6.2
March .....	167,503	181,992	8.6	497,119	531,999	7.0
April .....	165,472			662,591		
May .....	169,429			832,020		
June .....	143,714			975,734		
July .....	144,205			1,119,939		
August .....	128,091			1,248,030		
September .....	133,659			1,381,689		
October .....	148,424			1,530,113		
November .....	152,329			1,682,442		
December .....	175,556			1,857,998		
<b>Nonfat dry milk, human</b>						
January .....	167,699	137,046	-18.3	167,699	137,046	-18.3
February .....	150,953	140,225	-7.1	318,652	277,271	-13.0
March .....	180,815	171,616	-5.1	499,467	448,887	-10.1
April .....	180,768			680,235		
May .....	180,001			860,236		
June .....	165,441			1,025,677		
July .....	155,245			1,180,922		
August .....	123,885			1,304,807		
September .....	119,947			1,424,754		
October .....	118,358			1,543,112		
November .....	127,928			1,671,040		
December .....	151,143			1,822,183		
<b>Skim milk powders <sup>2</sup></b>						
January .....	41,107	51,243	24.7	41,107	51,243	24.7
February .....	33,320	40,201	20.7	74,427	91,444	22.9
March .....	39,442	40,564	2.8	113,869	132,008	15.9
April .....	33,099			146,968		
May .....	35,538			182,506		
June .....	34,676			217,182		
July .....	34,882			252,064		
August .....	39,288			291,352		
September .....	26,837			318,189		
October .....	39,723			357,912		
November .....	44,940			402,852		
December .....	43,472			446,324		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>3</sup></b>						
January .....	76,418	83,281	9.0	76,418	83,281	9.0
February .....	76,735	75,459	-1.7	153,153	158,740	3.6
March .....	86,928	82,976	-4.5	240,081	241,716	0.7
April .....	78,079			318,160		
May .....	79,396			397,556		
June .....	85,761			483,317		
July .....	81,691			565,008		
August .....	82,744			647,752		
September .....	79,247			726,999		
October .....	77,108			804,107		
November .....	79,012			883,119		
December .....	91,786			974,905		
<b>Lactose, human and animal</b>						
January .....	90,148	84,602	-6.2	90,148	84,602	-6.2
February .....	80,505	83,897	4.2	170,653	168,499	-1.3
March .....	92,896	95,618	2.9	263,549	264,117	0.2
April .....	88,352			351,901		
May .....	88,285			440,186		
June .....	89,945			530,131		
July .....	90,326			620,457		
August .....	86,557			707,014		
September .....	85,084			792,098		
October .....	83,126			875,224		
November .....	82,460			957,684		
December .....	91,094			1,048,778		
<b>Whey protein concentrate, total</b>						
January .....	43,826	39,051	-10.9	43,826	39,051	-10.9
February .....	38,516	36,775	-4.5	82,342	75,826	-7.9
March .....	42,131	38,288	-9.1	124,473	114,114	-8.3
April .....	42,622			167,095		
May .....	43,898			210,993		
June .....	39,008			250,001		
July .....	41,723			291,724		
August .....	39,564			331,288		
September .....	37,440			368,728		
October .....	42,076			410,804		
November .....	41,302			452,106		
December .....	42,299			494,405		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	24,103	23,777	-1.4	24,103	23,777	-1.4
February .....	25,188	25,233	0.2	49,291	49,010	-0.6
March .....	26,991	28,659	6.2	76,282	77,669	1.8
April .....	25,811			102,093		
May .....	26,281			128,374		
June .....	27,179			155,553		
July .....	28,791			184,344		
August .....	27,810			212,154		
September .....	27,369			239,523		
October .....	27,130			266,653		
November .....	24,212			290,865		
December .....	26,663			317,528		
<b>Cottage cheese, lowfat</b>						
January .....	28,993	28,610	-1.3	28,993	28,610	-1.3
February .....	28,913	28,708	-0.7	57,906	57,318	-1.0
March .....	32,157	34,309	6.7	90,063	91,627	1.7
April .....	29,848			119,911		
May .....	29,920			149,831		
June .....	32,113			181,944		
July .....	31,483			213,427		
August .....	31,377			244,804		
September .....	31,918			276,722		
October .....	29,543			306,265		
November .....	26,652			332,917		
December .....	30,088			363,005		
<b>Sour cream</b>						
January .....	109,699	102,931	-6.2	109,699	102,931	-6.2
February .....	96,386	103,420	7.3	206,085	206,351	0.1
March .....	110,976	114,923	3.6	317,061	321,274	1.3
April .....	103,658			420,719		
May .....	104,420			525,139		
June .....	110,834			635,973		
July .....	105,243			741,216		
August .....	107,410			848,626		
September .....	106,825			955,451		
October .....	119,063			1,074,514		
November .....	123,532			1,198,046		
December .....	118,408			1,316,454		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	57,106	57,066	-0.1	57,106	57,066	-0.1
February .....	59,797	60,423	1.0	116,903	117,489	0.5
March .....	71,808	70,524	-1.8	188,711	188,013	-0.4
April .....	68,771			257,482		
May .....	65,517			322,999		
June .....	72,534			395,533		
July .....	72,356			467,889		
August .....	69,503			537,392		
September .....	65,391			602,783		
October .....	63,356			666,139		
November .....	54,953			721,092		
December .....	56,472			777,564		
<b>Ice cream, lowfat total</b>						
January .....	29,598	25,723	-13.1	29,598	25,723	-13.1
February .....	31,465	31,137	-1.0	61,063	56,860	-6.9
March .....	38,086	40,957	7.5	99,149	97,817	-1.3
April .....	39,693			138,842		
May .....	41,140			179,982		
June .....	46,491			226,473		
July .....	43,126			269,599		
August .....	42,556			312,155		
September .....	35,441			347,596		
October .....	31,918			379,514		
November .....	26,788			406,302		
December .....	25,399			431,701		
<b>Sherbet, hard</b>						
January .....	2,982	2,461	-17.5	2,982	2,461	-17.5
February .....	3,225	3,200	-0.8	6,207	5,661	-8.8
March .....	3,989	3,757	-5.8	10,196	9,418	-7.6
April .....	3,527			13,723		
May .....	3,739			17,462		
June .....	3,875			21,337		
July .....	3,766			25,103		
August .....	3,553			28,656		
September .....	3,407			32,063		
October .....	2,927			34,990		
November .....	2,531			37,521		
December .....	2,178			39,699		

See footnote(s) at end of table.

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## Dairy Products Production by Product and Month – United States: 2015 and 2016

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

Product and month	By month			Cumulative		
	2015	2016	Change from 2015	2015	2016	Change from 2015
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Yogurt, plain and flavored</b>						
January .....	370,650	394,767	6.5	370,650	394,767	6.5
February .....	419,288	396,799	-5.4	789,938	791,566	0.2
March .....	436,581	413,328	-5.3	1,226,519	1,204,894	-1.8
April .....	384,158			1,610,677		
May .....	396,737			2,007,414		
June .....	395,772			2,403,186		
July .....	388,817			2,792,003		
August .....	401,818			3,193,821		
September .....	445,270			3,639,091		
October .....	387,836			4,026,927		
November .....	347,738			4,374,665		
December .....	367,422			4,742,087		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Frozen yogurt, total</b>						
January .....	4,699	4,125	-12.2	4,699	4,125	-12.2
February .....	5,614	5,377	-4.2	10,313	9,502	-7.9
March .....	6,283	6,054	-3.6	16,596	15,556	-6.3
April .....	7,000			23,596		
May .....	5,827			29,423		
June .....	7,069			36,492		
July .....	6,616			43,108		
August .....	5,891			48,999		
September .....	5,673			54,672		
October .....	5,543			60,215		
November .....	4,496			64,711		
December .....	4,004			68,715		

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

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

<sup>3</sup> Excludes all modified dry whey products.

## Total Cheese Production Excluding Cottage Cheese – States and United States: March 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	211,938	208,363	214,404	1.2	2.9
Idaho .....	82,211	70,681	82,975	0.9	17.4
Illinois .....	6,699	5,820	6,956	3.8	19.5
Iowa .....	18,700	19,587	19,897	6.4	1.6
Minnesota .....	58,193	51,719	55,855	-4.0	8.0
New Jersey .....	5,306	4,466	5,151	-2.9	15.3
New Mexico .....	67,760	60,535	69,326	2.3	14.5
New York .....	72,821	66,568	69,764	-4.2	4.8
Ohio .....	17,724	17,094	18,191	2.6	6.4
Pennsylvania .....	34,111	31,206	33,226	-2.6	6.5
South Dakota .....	24,120	21,314	22,278	-7.6	4.5
Vermont .....	10,635	10,318	10,324	-2.9	0.1
Wisconsin .....	259,777	247,550	271,905	4.7	9.8
Other States <sup>1</sup> .....	141,406	139,830	149,154	5.5	6.7
United States .....	1,011,401	955,051	1,029,406	1.8	7.8
Atlantic .....	129,887	118,958	125,395	-3.5	5.4
Central .....	443,506	424,500	459,117	3.5	8.2
West .....	438,008	411,593	444,894	1.6	8.1

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	56,162	52,011	56,530	0.7	8.7
Idaho .....	51,629	45,639	50,123	-2.9	9.8
Iowa .....	11,189	12,129	11,882	6.2	-2.0
New York .....	11,600	10,431	11,039	-4.8	5.8
Oregon .....	16,942	16,418	17,139	1.2	4.4
Pennsylvania .....	49	48	49	-	2.1
Wisconsin .....	76,806	74,623	80,000	4.2	7.2
Other States <sup>1</sup> .....	171,536	155,571	172,618	0.6	11.0
United States .....	395,913	366,870	399,380	0.9	8.9
Atlantic .....	25,510	23,401	24,582	-3.6	5.0
Central .....	189,023	176,739	191,001	1.0	8.1
West .....	181,380	166,730	183,797	1.3	10.2

- Represents zero.

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	29,778	22,119	28,591	-4.0	29.3
Idaho .....	39,725	35,535	38,694	-2.6	8.9
Iowa .....	7,170	7,115	7,577	5.7	6.5
Minnesota .....	44,897	37,518	42,337	-5.7	12.8
Vermont .....	7,901	7,150	7,672	-2.9	7.3
Wisconsin .....	53,330	51,130	52,900	-0.8	3.5
Other States <sup>1</sup> .....	104,326	96,983	106,698	2.3	10.0
United States .....	287,127	257,550	284,469	-0.9	10.5
Atlantic .....	24,630	22,410	23,872	-3.1	6.5
Central .....	135,551	124,368	132,809	-2.0	6.8
West .....	126,946	110,772	127,788	0.7	15.4

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	134,257	138,503	140,378	4.6	1.4
Idaho .....	24,781	18,966	26,896	8.5	41.8
New York .....	32,569	28,742	32,585	-	13.4
Pennsylvania .....	21,032	18,279	20,280	-3.6	10.9
Wisconsin .....	130,020	124,965	137,570	5.8	10.1
Other States <sup>1</sup> .....	97,489	94,463	101,341	4.0	7.3
United States .....	440,148	423,918	459,050	4.3	8.3
Atlantic .....	58,830	51,065	57,911	-1.6	13.4
Central .....	170,670	168,353	181,325	6.2	7.7
West .....	210,648	204,500	219,814	4.4	7.5

- Represents zero.

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	122,372	127,871	128,613	5.1	0.6
Idaho .....	22,863	17,512	25,821	12.9	47.4
New York .....	17,346	15,280	17,224	-0.7	12.7
Pennsylvania .....	17,940	15,472	17,001	-5.2	9.9
Wisconsin .....	88,454	84,510	93,800	6.0	11.0
Other States <sup>1</sup> .....	73,778	71,908	76,836	4.1	6.9
United States .....	342,753	332,553	359,295	4.8	8.0
Atlantic .....	37,156	32,654	36,188	-2.6	10.8
Central .....	110,728	108,583	118,107	6.7	8.8
West .....	194,869	191,316	205,000	5.2	7.2

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	57,003	50,993	55,449	-2.7	8.7
New York .....	2,511	2,566	2,556	1.8	-0.4
Pennsylvania .....	8,773	7,999	9,012	2.7	12.7
Other States <sup>1</sup> .....	99,216	112,795	114,975	15.9	1.9
United States .....	167,503	174,353	181,992	8.6	4.4
Atlantic .....	18,082	18,690	18,869	4.4	1.0
Central .....	66,941	72,992	73,347	9.6	0.5
West .....	82,480	82,671	89,776	8.8	8.6

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	76,297	52,556	65,948	-13.6	25.5
Pennsylvania .....	16,445	13,164	16,209	-1.4	23.1
Other States <sup>1</sup> .....	88,073	74,505	89,459	1.6	20.1
United States .....	180,815	140,225	171,616	-5.1	22.4
Atlantic .....	29,637	27,419	32,824	10.8	19.7
Central .....	27,781	23,838	30,539	9.9	28.1
West .....	123,397	88,968	108,253	-12.3	21.7

<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 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,369	11,894	13,459	8.8	13.2
Wisconsin .....	26,476	24,050	27,585	4.2	14.7
Other States <sup>1</sup> .....	46,615	37,798	40,344	-13.5	6.7
United States .....	85,460	73,742	81,388	-4.8	10.4
Atlantic .....	21,904	20,112	21,784	-0.5	8.3
Central .....	37,900	35,473	39,175	3.4	10.4
West .....	25,656	18,157	20,429	-20.4	12.5

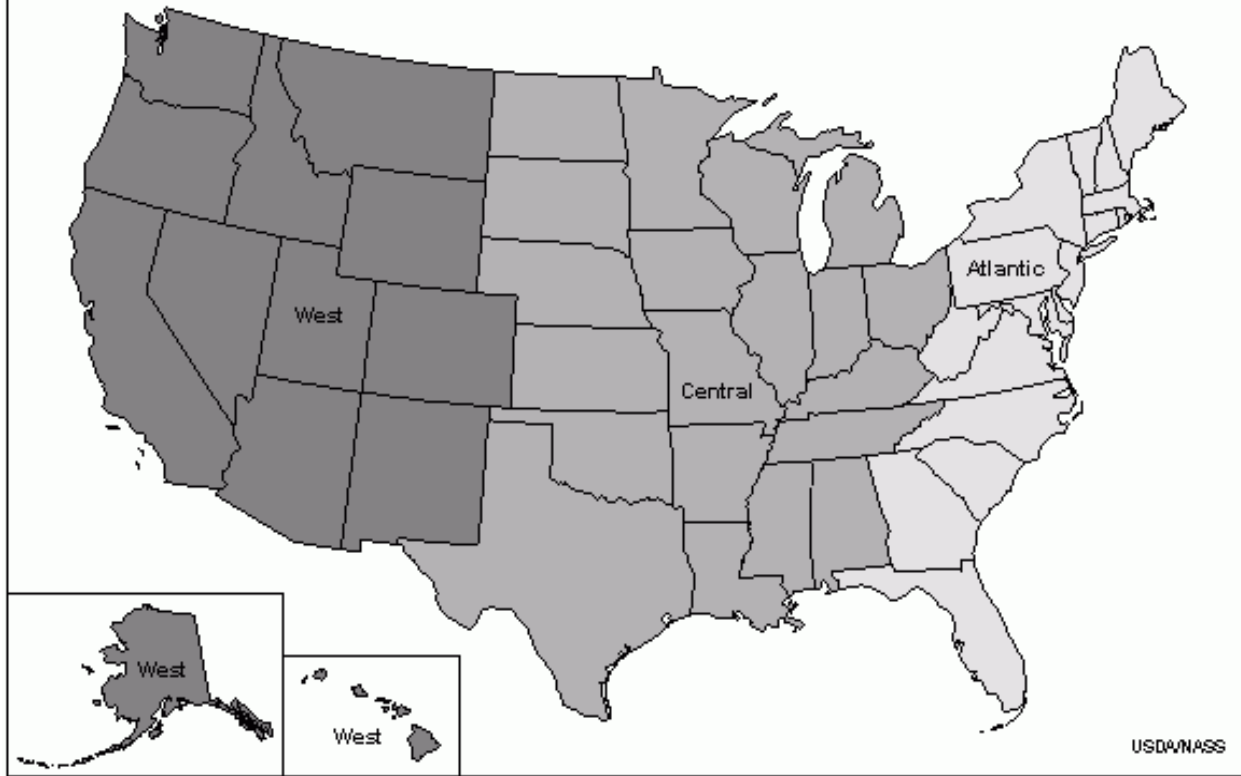
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

## Ice Cream, Regular (Hard) Production – States and United States: March 2015 and 2016

State	March 2015	February 2016	March 2016	Change from	
				March 2015	February 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	11,413	8,963	12,430	8.9	38.7
Connecticut .....	1,251	1,064	1,223	-2.2	14.9
Missouri .....	2,226	2,058	2,867	28.8	39.3
Ohio .....	1,898	1,730	2,073	9.2	19.8
Oregon .....	1,306	862	1,252	-4.1	45.2
Pennsylvania .....	2,986	2,341	2,660	-10.9	13.6
Wisconsin .....	1,674	1,320	1,374	-17.9	4.1
Other States <sup>1</sup> .....	49,054	42,085	46,645	-4.9	10.8
United States .....	71,808	60,423	70,524	-1.8	16.7
Atlantic .....	14,466	13,402	14,659	1.3	9.4
Central .....	40,552	32,322	37,300	-8.0	15.4
West .....	16,790	14,699	18,565	10.6	26.3

<sup>1</sup> 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](mailto:nass@nass.usda.gov).

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278

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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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