



Dairy Products

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April 2016 Highlights

Total cheese output (excluding cottage cheese) was 992 million pounds, 1.4 percent above April 2015 but 3.3 percent below March 2016.

Italian type cheese production totaled 437 million pounds, 3.7 percent above April 2015 but 4.8 percent below March 2016.

American type cheese production totaled 395 million pounds, 0.3 percent below April 2015 and 0.9 percent below March 2016.

Butter production was 176 million pounds, 6.4 percent above April 2015 but 3.3 percent below March 2016.

Dry milk powders (comparisons with April 2015)

Nonfat dry milk, human - 170 million pounds, down 6.0 percent.

Skim milk powders - 43.3 million pounds, up 30.7 percent.

Whey products (comparisons with April 2015)

Dry whey, total - 82.3 million pounds, up 5.3 percent.

Lactose, human and animal - 87.6 million pounds, down 0.9 percent.

Whey protein concentrate, total - 39.6 million pounds, down 7.1 percent.

Frozen products (comparisons with April 2015)

Ice cream, regular (hard) - 71.2 million gallons, up 3.5 percent.

Ice cream, lowfat (total) - 39.3 million gallons, down 1.1 percent.

Sherbet (hard) - 3.59 million gallons, up 1.8 percent.

Frozen yogurt (total) - 6.33 million gallons, down 9.6 percent.

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

Product	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	165,472	182,126	176,038	6.4	-3.3
Cheese					
American types ¹	396,707	399,063	395,354	-0.3	-0.9
Cheddar	287,362	283,957	296,972	3.3	4.6
Other American types	109,345	115,106	98,382	-10.0	-14.5
Blue and Gorgonzola	7,776	8,056	7,051	-9.3	-12.5
Brick and Muenster	14,919	14,179	15,999	7.2	12.8
Cream and Neufchatel	61,357	66,717	64,071	4.4	-4.0
Feta	11,272	11,185	11,616	3.1	3.9
Gouda	4,966	5,509	3,546	-28.6	-35.6
Hispanic	20,887	22,340	20,856	-0.1	-6.6
Italian types	421,271	458,783	436,855	3.7	-4.8
Mozzarella	331,378	359,034	340,504	2.8	-5.2
Parmesan	28,761	32,203	34,308	19.3	6.5
Provolone	31,975	33,164	33,813	5.7	2.0
Ricotta	17,440	24,228	18,457	5.8	-23.8
Romano	4,801	4,160	4,535	-5.5	9.0
Other Italian types	6,916	5,994	5,238	-24.3	-12.6
Swiss	26,616	26,121	24,188	-9.1	-7.4
All other types	11,963	13,676	12,157	1.6	-11.1
Total cheese	977,734	1,025,629	991,693	1.4	-3.3
Cottage cheese, curd ²	33,099	36,926	34,333	3.7	-7.0
Cottage cheese, cream ³	25,811	28,607	26,393	2.3	-7.7
Cottage cheese, lowfat ⁴	29,848	34,290	31,610	5.9	-7.8
Sour cream	103,658	116,668	102,867	-0.8	-11.8
Yogurt, plain and flavored	384,158	421,450	389,594	1.4	-7.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	68,771	71,024	71,182	3.5	0.2
Ice cream, lowfat, hard	20,520	18,190	18,455	-10.1	1.5
Ice cream, lowfat, soft	19,173	22,736	20,795	8.5	-8.5
Ice cream, lowfat, total	39,693	40,926	39,250	-1.1	-4.1
Ice cream, nonfat, hard	794	441	620	-21.9	40.6
Sherbet, hard	3,527	3,726	3,592	1.8	-3.6
Frozen yogurt, total	7,000	6,079	6,330	-9.6	4.1
Regular and lowfat, hard	2,458	2,135	1,778	-27.7	-16.7
Nonfat, hard	749	697	759	1.3	8.9
Other frozen dairy products	1,323	1,195	1,271	-3.9	6.4
Water and juice ices	7,021	5,907	6,629	-5.6	12.2
Mix for frozen products					
Ice cream, regular, mix	42,296	39,772	40,951	-3.2	3.0
Ice cream, lowfat, mix	23,097	23,188	22,165	-4.0	-4.4
Ice cream, nonfat, mix	664	613	586	-11.7	-4.4
Sherbet mix	2,331	2,510	2,420	3.8	-3.6
Yogurt mix	4,017	3,781	3,604	-10.3	-4.7

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Mostly used for processing into cream or lowfat cottage cheese.

³ Fat content 4 percent or more.

⁴ Fat content less than 4 percent.

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

Product	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,366	15,250	11,414	10.1	-25.2
Dry whey products					
Dry whey, human	76,506	81,350	80,249	4.9	-1.4
Dry whey, animal	1,573	1,591	2,004	27.4	26.0
Dry whey, total	78,079	82,941	82,253	5.3	-0.8
Reduced lactose and minerals					
Human	2,489	2,653	2,827	13.6	6.6
Animal	2,958	2,623	2,975	0.6	13.4
Whey protein concentrate					
Human ²	42,219	38,988	39,216	-7.1	0.6
Animal ²	403	244	362	-10.2	48.4
Total ²	42,622	39,232	39,578	-7.1	0.9
25.0-49.9 percent ³	19,871	15,989	14,433	-27.4	-9.7
50.0-89.9 percent ³	22,751	23,243	25,145	10.5	8.2
Whey protein isolates ⁴	7,872	8,571	8,577	9.0	0.1
Lactose, human and animal	88,352	92,710	87,588	-0.9	-5.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	73,621	73,535	76,136	3.4	3.5
Dry whey, animal	702	1,438	1,574	124.2	9.5
Dry whey, total	74,323	74,973	77,710	4.6	3.7
Reduced Lactose and minerals					
Human and animal ⁶	9,462	7,875	7,439	-21.4	-5.5
Whey protein concentrate					
Human ²	70,672	58,316	59,070	-16.4	1.3
Animal ²	974	690	613	-37.1	-11.2
Total ²	71,646	59,006	59,683	-16.7	1.1
25.0-49.9 percent ³	32,014	23,532	25,609	-20.0	8.8
50.0-89.9 percent ³	39,632	35,474	34,074	-14.0	-3.9
Whey protein isolates ⁴	11,291	18,194	17,896	58.5	-1.6
Lactose, human and animal	133,073	116,441	116,519	-12.4	0.1
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	48.0	9.1	8.4	-39.6	-0.7

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:
April 2015 and 2016**

Product	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	139,081	147,665	144,097	3.6	-2.4
Dry milk products					
Dry buttermilk, total	8,412	9,618	9,732	15.7	1.2
Dry skim milk, animal	966	1,069	854	-11.6	-20.1
Dry whole milk	15,829	9,968	7,845	-50.4	-21.3
Milk protein concentrate, total ¹	19,144	14,979	17,021	-11.1	13.6
Nonfat dry milk, human	180,768	172,009	169,855	-6.0	-1.3
Skim milk powder, total ²	33,099	40,564	43,272	30.7	6.7
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	24,009	25,441	26,379	9.9	3.7
Dry skim milk, animal	1,939	2,066	2,218	14.4	7.4
Dry whole milk	25,258	13,044	13,532	-46.4	3.7
Nonfat dry milk, human	248,076	232,101	250,454	1.0	7.9
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	172,922	155,142	153,495	-11.2	-1.1

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: 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)
Total cheese						
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	1,025,629	1.4	2,902,165	2,983,958	2.8
April	977,734	991,693	1.4	3,879,899	3,975,651	2.5
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		
Total American cheese types ¹						
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	399,063	0.8	1,155,540	1,166,922	1.0
April	396,707	395,354	-0.3	1,552,247	1,562,276	0.6
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		
Cheddar cheese						
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	283,957	-1.1	846,516	837,999	-1.0
April	287,362	296,972	3.3	1,133,878	1,134,971	0.1
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)
Total Italian cheese types						
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	458,783	4.2	1,263,171	1,317,877	4.3
April	421,271	436,855	3.7	1,684,442	1,754,732	4.2
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		
Mozzarella						
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	359,034	4.8	989,095	1,028,452	4.0
April	331,378	340,504	2.8	1,320,473	1,368,956	3.7
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		
Other Italian cheese types						
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	5,994	-20.1	19,746	17,888	-9.4
April	6,916	5,238	-24.3	26,662	23,126	-13.3
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)
Butter						
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	182,126	8.7	497,119	532,133	7.0
April	165,472	176,038	6.4	662,591	708,171	6.9
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		
Nonfat dry milk, human						
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	172,009	-4.9	499,467	449,280	-10.0
April	180,768	169,855	-6.0	680,235	619,135	-9.0
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		
Skim milk powders ²						
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	43,272	30.7	146,968	175,280	19.3
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)
Dry whey, total ³						
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	82,941	-4.6	240,081	241,681	0.7
April	78,079	82,253	5.3	318,160	323,934	1.8
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		
Lactose, human and animal						
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	92,710	-0.2	263,549	261,209	-0.9
April	88,352	87,588	-0.9	351,901	348,797	-0.9
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		
Whey protein concentrate, total						
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	39,232	-6.9	124,473	115,058	-7.6
April	42,622	39,578	-7.1	167,095	154,636	-7.5
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)
Cottage cheese, cream						
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	28,607	6.0	76,282	77,617	1.8
April	25,811	26,393	2.3	102,093	104,010	1.9
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		
Cottage cheese, lowfat						
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	34,290	6.6	90,063	91,608	1.7
April	29,848	31,610	5.9	119,911	123,218	2.8
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		
Sour cream						
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	116,668	5.1	317,061	323,019	1.9
April	103,658	102,867	-0.8	420,719	425,886	1.2
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)
Ice cream, regular hard						
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	71,024	-1.1	188,711	188,513	-0.1
April	68,771	71,182	3.5	257,482	259,695	0.9
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		
Ice cream, lowfat total						
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	40,926	7.5	99,149	97,786	-1.4
April	39,693	39,250	-1.1	138,842	137,036	-1.3
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		
Sherbet, hard						
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	3,726	-6.6	10,196	9,387	-7.9
April	3,527	3,592	1.8	13,723	12,979	-5.4
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)
Yogurt, plain and flavored						
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	421,450	-3.5	1,226,519	1,213,016	-1.1
April	384,158	389,594	1.4	1,610,677	1,602,610	-0.5
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)
Frozen yogurt, total						
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	6,079	-3.2	16,596	15,581	-6.1
April	7,000	6,330	-9.6	23,596	21,911	-7.1
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		

¹ Includes Cheddar, Colby, Monterey, and Jack.

² Includes protein standardized and blends.

³ Excludes all modified dry whey products.

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

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	204,541	214,525	201,135	-1.7	-6.2
Idaho	78,414	82,975	81,186	3.5	-2.2
Illinois	6,596	6,954	6,425	-2.6	-7.6
Iowa	22,042	19,781	23,054	4.6	16.5
Minnesota	57,645	55,757	55,403	-3.9	-0.6
New Jersey	4,265	5,082	4,921	15.4	-3.2
New Mexico	65,310	69,333	65,928	0.9	-4.9
New York	60,077	69,766	61,192	1.9	-12.3
Ohio	17,486	18,191	17,381	-0.6	-4.5
Pennsylvania	33,805	32,914	35,618	5.4	8.2
South Dakota	23,331	22,494	21,358	-8.5	-5.1
Vermont	10,716	10,411	10,770	0.5	3.4
Wisconsin	253,375	268,323	261,412	3.2	-2.6
Other States ¹	140,131	149,123	145,910	4.1	-2.2
United States	977,734	1,025,629	991,693	1.4	-3.3
Atlantic	115,350	125,072	118,951	3.1	-4.9
Central	438,681	455,535	446,169	1.7	-2.1
West	423,703	445,022	426,573	0.7	-4.1

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

American Cheese Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	56,285	56,530	51,181	-9.1	-9.5
Idaho	50,061	50,123	50,909	1.7	1.6
Iowa	11,465	11,875	13,834	20.7	16.5
New York	10,783	11,039	10,568	-2.0	-4.3
Oregon	16,450	17,139	16,548	0.6	-3.4
Pennsylvania	151	49	147	-2.6	200.0
Wisconsin	76,853	79,887	81,100	5.5	1.5
Other States ¹	174,659	172,421	171,067	-2.1	-0.8
United States	396,707	399,063	395,354	-0.3	-0.9
Atlantic	23,975	24,630	23,841	-0.6	-3.2
Central	191,429	190,636	191,030	-0.2	0.2
West	181,303	183,797	180,483	-0.5	-1.8

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

Cheddar Cheese Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	30,984	28,591	30,152	-2.7	5.5
Idaho	38,991	38,694	41,979	7.7	8.5
Iowa	7,719	7,570	8,435	9.3	11.4
Minnesota	45,123	42,094	41,166	-8.8	-2.2
Vermont	7,325	7,469	7,352	0.4	-1.6
Wisconsin	52,925	52,879	55,600	5.1	5.1
Other States ¹	104,295	106,660	112,288	7.7	5.3
United States	287,362	283,957	296,972	3.3	4.6
Atlantic	22,934	23,633	22,869	-0.3	-3.2
Central	136,672	132,536	136,478	-0.1	3.0
West	127,756	127,788	137,625	7.7	7.7

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

Total Italian Cheese Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	131,531	140,378	131,873	0.3	-6.1
Idaho	21,831	26,896	23,642	8.3	-12.1
New York	26,445	32,586	27,684	4.7	-15.0
Pennsylvania	21,422	20,013	21,891	2.2	9.4
Wisconsin	127,454	137,276	132,445	3.9	-3.5
Other States ¹	92,588	101,634	99,320	7.3	-2.3
United States	421,271	458,783	436,855	3.7	-4.8
Atlantic	52,078	57,577	53,898	3.5	-6.4
Central	168,367	181,392	177,072	5.2	-2.4
West	200,826	219,814	205,885	2.5	-6.3

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

Mozzarella Cheese Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	119,870	128,613	119,369	-0.4	-7.2
Idaho	20,706	25,821	22,314	7.8	-13.6
New York	14,523	17,224	15,080	3.8	-12.4
Pennsylvania	18,253	16,734	18,954	3.8	13.3
Wisconsin	87,959	93,806	90,300	2.7	-3.7
Other States ¹	70,067	76,836	74,487	6.3	-3.1
United States	331,378	359,034	340,504	2.8	-5.2
Atlantic	34,692	35,921	36,136	4.2	0.6
Central	110,135	118,113	113,718	3.3	-3.7
West	186,551	205,000	190,650	2.2	-7.0

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

Butter Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	56,965	55,449	51,571	-9.5	-7.0
New York	2,388	2,556	2,411	1.0	-5.7
Pennsylvania	8,071	9,012	8,749	8.4	-2.9
Other States ¹	98,048	115,109	113,307	15.6	-1.6
United States	165,472	182,126	176,038	6.4	-3.3
Atlantic	16,623	18,869	18,659	12.2	-1.1
Central	66,497	73,481	71,671	7.8	-2.5
West	82,352	89,776	85,708	4.1	-4.5

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

Nonfat Dry Milk (Human) Production – States and United States: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	76,689	65,948	60,262	-21.4	-8.6
Pennsylvania	17,297	16,209	19,003	9.9	17.2
Other States ¹	86,782	89,852	90,590	4.4	0.8
United States	180,768	172,009	169,855	-6.0	-1.3
Atlantic	30,870	32,824	33,436	8.3	1.9
Central	28,619	30,941	30,128	5.3	-2.6
West	121,279	108,244	106,291	-12.4	-1.8

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: April 2015 and 2016

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,138	13,459	11,783	-2.9	-12.5
Wisconsin	25,369	27,547	26,876	5.9	-2.4
Other States ¹	38,999	40,344	41,590	6.6	3.1
United States	76,506	81,350	80,249	4.9	-1.4
Atlantic	23,064	21,788	21,189	-8.1	-2.7
Central	37,425	39,133	38,230	2.2	-2.3
West	16,017	20,429	20,830	30.0	2.0

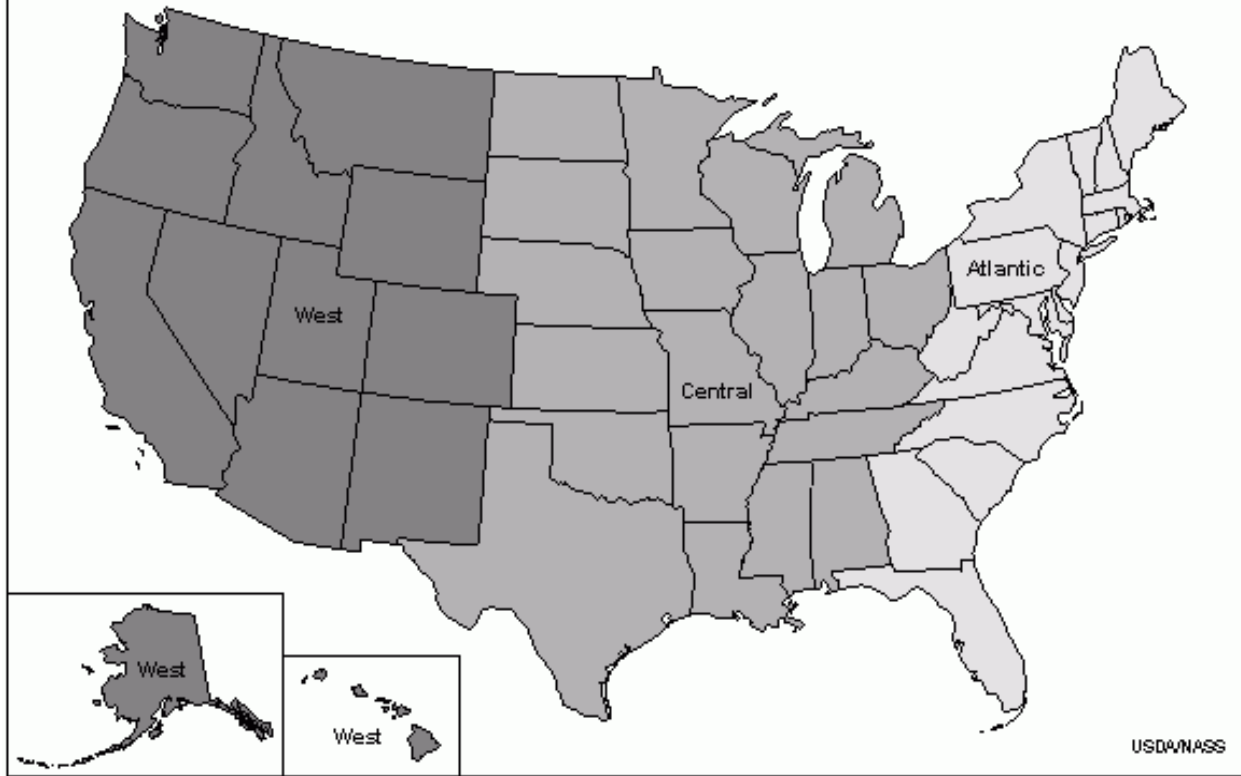
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	April 2015	March 2016	April 2016	Change from	
				April 2015	March 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	11,718	12,430	12,743	8.7	2.5
Connecticut	1,263	1,223	1,219	-3.5	-0.3
Missouri	2,267	2,867	2,230	-1.6	-22.2
Ohio	2,179	2,073	2,095	-3.9	1.1
Oregon	1,304	1,247	1,297	-0.5	4.0
Pennsylvania	2,846	2,660	3,178	11.7	19.5
Wisconsin	1,390	1,565	1,463	5.3	-6.5
Other States ¹	45,804	46,959	46,957	2.5	0.0
United States	68,771	71,024	71,182	3.5	0.2
Atlantic	14,130	14,658	14,692	4.0	0.2
Central	37,051	37,549	37,073	0.1	-1.3
West	17,590	18,817	19,417	10.4	3.2

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

Dairy Products Regions



Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2015, there were 1,267 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

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

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

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

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

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

Information Contacts

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

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