



Dairy Products

ISSN: 1949-0399

Released July 6, 2016, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

May 2016 Highlights

Total cheese output (excluding cottage cheese) was 998 million pounds, 1.2 percent above May 2015 and 0.7 percent above April 2016.

Italian type cheese production totaled 439 million pounds, 5.2 percent above May 2015 and 0.6 percent above April 2016.

American type cheese production totaled 400 million pounds, 1.9 percent below May 2015 but 1.1 percent above April 2016.

Butter production was 170 million pounds, 0.3 percent above May 2015 but 3.7 percent below April 2016.

Dry milk powders (comparisons with May 2015)

Nonfat dry milk, human - 165 million pounds, down 8.3 percent.

Skim milk powders - 50.3 million pounds, up 41.4 percent.

Whey products (comparisons with May 2015)

Dry whey, total - 81.8 million pounds, up 3.1 percent.

Lactose, human and animal - 89.9 million pounds, up 1.9 percent.

Whey protein concentrate, total - 38.4 million pounds, down 12.6 percent.

Frozen products (comparisons with May 2015)

Ice cream, regular (hard) - 71.9 million gallons, up 9.8 percent.

Ice cream, lowfat (total) - 40.3 million gallons, down 2.1 percent.

Sherbet (hard) - 3.49 million gallons, down 6.6 percent.

Frozen yogurt (total) - 5.75 million gallons, down 1.4 percent.

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

Product	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	169,429	176,453	169,939	0.3	-3.7
Cheese					
American types ¹	407,684	395,527	399,914	-1.9	1.1
Cheddar	296,459	297,403	290,490	-2.0	-2.3
Other American types	111,225	98,124	109,424	-1.6	11.5
Blue and Gorgonzola	7,928	7,053	7,492	-5.5	6.2
Brick and Muenster	16,324	15,908	16,057	-1.6	0.9
Cream and Neufchatel	61,071	64,122	59,083	-3.3	-7.9
Feta	10,236	11,115	10,631	3.9	-4.4
Gouda	4,388	3,569	6,308	43.8	76.7
Hispanic	21,025	20,950	20,437	-2.8	-2.4
Italian types	417,329	436,543	438,998	5.2	0.6
Mozzarella	331,276	340,847	345,955	4.4	1.5
Parmesan	28,369	34,418	32,471	14.5	-5.7
Provolone	31,620	33,554	33,746	6.7	0.6
Ricotta	15,215	17,861	16,689	9.7	-6.6
Romano	4,368	4,487	3,987	-8.7	-11.1
Other Italian types	6,481	5,376	6,150	-5.1	14.4
Swiss	27,386	24,351	26,085	-4.8	7.1
All other types	12,732	12,043	13,110	3.0	8.9
Total cheese	986,103	991,181	998,115	1.2	0.7
Cottage cheese, curd ²	33,497	33,792	35,514	6.0	5.1
Cottage cheese, cream ³	26,281	26,717	28,549	8.6	6.9
Cottage cheese, lowfat ⁴	29,920	30,499	31,874	6.5	4.5
Sour cream	104,420	102,123	112,330	7.6	10.0
Yogurt, plain and flavored	396,737	392,006	380,225	-4.2	-3.0
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	65,517	71,328	71,915	9.8	0.8
Ice cream, lowfat, hard	19,945	18,444	18,249	-8.5	-1.1
Ice cream, lowfat, soft	21,195	21,345	22,043	4.0	3.3
Ice cream, lowfat, total	41,140	39,789	40,292	-2.1	1.3
Ice cream, nonfat, hard	725	620	637	-12.1	2.7
Sherbet, hard	3,739	3,567	3,494	-6.6	-2.0
Frozen yogurt, total	5,827	6,281	5,745	-1.4	-8.5
Regular and lowfat, hard	2,040	1,729	2,020	-1.0	16.8
Nonfat, hard	598	759	536	-10.4	-29.4
Other frozen dairy products	1,568	1,271	1,359	-13.3	6.9
Water and juice ices	7,207	6,622	6,212	-13.8	-6.2
Mix for frozen products					
Ice cream, regular, mix	40,083	41,262	42,650	6.4	3.4
Ice cream, lowfat, mix	23,709	22,489	22,804	-3.8	1.4
Ice cream, nonfat, mix	630	586	553	-12.2	-5.6
Sherbet mix	2,495	2,404	2,239	-10.3	-6.9
Yogurt mix	3,241	3,626	3,509	8.3	-3.2

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:
May 2015 and 2016**

Product	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	11,915	11,414	11,816	-0.8	3.5
Dry whey products					
Dry whey, human	77,988	80,858	80,387	3.1	-0.6
Dry whey, animal	1,408	1,490	1,439	2.2	-3.4
Dry whey, total	79,396	82,348	81,826	3.1	-0.6
Reduced lactose and minerals					
Human	3,586	2,827	2,848	-20.6	0.7
Animal	2,474	2,975	2,485	0.4	-16.5
Whey protein concentrate					
Human ²	43,487	36,379	38,046	-12.5	4.6
Animal ²	411	429	339	-17.5	-21.0
Total ²	43,898	36,808	38,385	-12.6	4.3
25.0-49.9 percent ³	20,218	14,431	15,268	-24.5	5.8
50.0-89.9 percent ³	23,680	22,377	23,117	-2.4	3.3
Whey protein isolates ⁴	8,593	8,577	8,797	2.4	2.6
Lactose, human and animal	88,285	87,962	89,933	1.9	2.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	73,391	82,616	85,694	16.8	3.7
Dry whey, animal	2,124	1,574	1,442	-32.1	-8.4
Dry whey, total	75,515	84,190	87,136	15.4	3.5
Reduced Lactose and minerals					
Human and animal ⁶	10,310	7,439	8,008	-22.3	7.6
Whey protein concentrate					
Human ²	73,082	62,937	59,404	-18.7	-5.6
Animal ²	1,600	613	555	-65.3	-9.5
Total ²	74,682	63,550	59,959	-19.7	-5.7
25.0-49.9 percent ³	32,758	28,076	26,027	-20.5	-7.3
50.0-89.9 percent ³	41,924	35,474	33,932	-19.1	-4.3
Whey protein isolates ⁴	13,036	17,899	18,060	38.5	0.9
Lactose, human and animal	126,351	124,255	125,761	-0.5	1.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	30.3	11.6	12.3	-18.1	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:
May 2015 and 2016**

Product	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	147,698	147,651	153,464	3.9	3.9
Dry milk products					
Dry buttermilk, total	8,735	9,604	8,775	0.5	-8.6
Dry skim milk, animal	919	869	869	-5.4	-
Dry whole milk	12,762	9,069	8,646	-32.3	-4.7
Milk protein concentrate, total ¹	20,903	16,179	18,140	-13.2	12.1
Nonfat dry milk, human	180,001	169,349	165,057	-8.3	-2.5
Skim milk powder, total ²	35,538	43,189	50,265	41.4	16.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	23,695	24,685	24,106	1.7	-2.3
Dry skim milk, animal	2,028	2,127	2,449	20.8	15.1
Dry whole milk	27,788	14,471	15,428	-44.5	6.6
Nonfat dry milk, human	261,416	252,188	235,429	-9.9	-6.6
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	159,119	150,325	178,541	12.2	18.8

- Represents zero.

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	991,181	1.4	3,879,899	3,975,139	2.5
May	986,103	998,115	1.2	4,866,002	4,973,254	2.2
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	395,527	-0.3	1,552,247	1,562,449	0.7
May	407,684	399,914	-1.9	1,959,931	1,962,363	0.1
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	297,403	3.5	1,133,878	1,135,402	0.1
May	296,459	290,490	-2.0	1,430,337	1,425,892	-0.3
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	436,543	3.6	1,684,442	1,754,420	4.2
May	417,329	438,998	5.2	2,101,771	2,193,418	4.4
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	340,847	2.9	1,320,473	1,369,299	3.7
May	331,276	345,955	4.4	1,651,749	1,715,254	3.8
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	5,376	-22.3	26,662	23,264	-12.7
May	6,481	6,150	-5.1	33,143	29,414	-11.3
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	176,453	6.6	662,591	708,586	6.9
May	169,429	169,939	0.3	832,020	878,525	5.6
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	169,349	-6.3	680,235	618,629	-9.1
May	180,001	165,057	-8.3	860,236	783,686	-8.9
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	43,189	30.5	146,968	175,197	19.2
May	35,538	50,265	41.4	182,506	225,462	23.5
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	82,348	5.5	318,160	324,029	1.8
May	79,396	81,826	3.1	397,556	405,855	2.1
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	87,962	-0.4	351,901	349,171	-0.8
May	88,285	89,933	1.9	440,186	439,104	-0.2
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	36,808	-13.6	167,095	151,866	-9.1
May	43,898	38,385	-12.6	210,993	190,251	-9.8
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	26,717	3.5	102,093	104,334	2.2
May	26,281	28,549	8.6	128,374	132,883	3.5
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	30,499	2.2	119,911	122,107	1.8
May	29,920	31,874	6.5	149,831	153,981	2.8
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	102,123	-1.5	420,719	425,142	1.1
May	104,420	112,330	7.6	525,139	537,472	2.3
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	71,328	3.7	257,482	259,841	0.9
May	65,517	71,915	9.8	322,999	331,756	2.7
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	39,789	0.2	138,842	137,575	-0.9
May	41,140	40,292	-2.1	179,982	177,867	-1.2
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	3,567	1.1	13,723	12,954	-5.6
May	3,739	3,494	-6.6	17,462	16,448	-5.8
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	392,006	2.0	1,610,677	1,605,022	-0.4
May	396,737	380,225	-4.2	2,007,414	1,985,247	-1.1
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	6,281	-10.3	23,596	21,862	-7.3
May	5,827	5,745	-1.4	29,423	27,607	-6.2
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: May 2015 and 2016

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	212,372	201,137	212,683	0.1	5.7
Idaho	76,582	81,203	76,008	-0.7	-6.4
Illinois	6,343	6,425	6,948	9.5	8.1
Iowa	21,084	23,054	21,635	2.6	-6.2
Minnesota	59,157	55,403	56,908	-3.8	2.7
New Jersey	4,436	4,780	4,457	0.5	-6.8
New Mexico	65,316	65,928	67,891	3.9	3.0
New York	58,153	60,303	59,127	1.7	-2.0
Ohio	17,394	17,381	17,822	2.5	2.5
Pennsylvania	33,008	35,618	33,768	2.3	-5.2
South Dakota	24,044	21,358	22,623	-5.9	5.9
Vermont	11,067	10,762	11,083	0.1	3.0
Wisconsin	251,680	261,853	260,325	3.4	-0.6
Other States ¹	145,467	145,976	146,837	0.9	0.6
United States	986,103	991,181	998,115	1.2	0.7
Atlantic	113,382	117,979	115,390	1.8	-2.2
Central	441,561	446,610	449,732	1.9	0.7
West	431,160	426,592	432,993	0.4	1.5

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

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

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	56,759	51,182	53,286	-6.1	4.1
Idaho	51,695	50,778	50,312	-2.7	-0.9
Iowa	11,583	13,834	13,889	19.9	0.4
New York	11,416	10,973	11,426	0.1	4.1
Oregon	16,561	16,548	17,781	7.4	7.5
Pennsylvania	137	147	134	-2.2	-8.8
Wisconsin	77,965	81,011	79,800	2.4	-1.5
Other States ¹	181,568	171,054	173,286	-4.6	1.3
United States	407,684	395,527	399,914	-1.9	1.1
Atlantic	25,091	24,233	25,203	0.4	4.0
Central	197,772	190,941	194,246	-1.8	1.7
West	184,821	180,353	180,465	-2.4	0.1

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

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

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	30,375	30,153	28,349	-6.7	-6.0
Idaho	40,296	41,979	41,382	2.7	-1.4
Iowa	7,230	8,435	7,611	5.3	-9.8
Minnesota	47,371	41,166	41,902	-11.5	1.8
Vermont	7,480	7,339	7,913	5.8	7.8
Wisconsin	52,852	55,604	53,400	1.0	-4.0
Other States ¹	110,855	112,727	109,933	-0.8	-2.5
United States	296,459	297,403	290,490	-2.0	-2.3
Atlantic	23,808	23,295	24,308	2.1	4.3
Central	142,183	136,482	135,287	-4.9	-0.9
West	130,468	137,626	130,895	0.3	-4.9

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: May 2015 and 2016

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	136,109	131,873	140,505	3.2	6.5
Idaho	18,501	23,642	19,858	7.3	-16.0
New York	26,394	26,984	27,198	3.0	0.8
Pennsylvania	20,776	21,891	21,946	5.6	0.3
Wisconsin	124,857	132,923	132,032	5.7	-0.7
Other States ¹	90,692	99,230	97,459	7.5	-1.8
United States	417,329	436,543	438,998	5.2	0.6
Atlantic	51,175	53,108	53,665	4.9	1.0
Central	163,366	177,550	174,520	6.8	-1.7
West	202,788	205,885	210,813	4.0	2.4

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

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

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	124,956	119,369	129,099	3.3	8.2
Idaho	17,291	22,314	18,224	5.4	-18.3
New York	15,182	15,258	15,701	3.4	2.9
Pennsylvania	17,780	18,954	18,750	5.5	-1.1
Wisconsin	85,300	90,388	90,300	5.9	-0.1
Other States ¹	70,767	74,564	73,881	4.4	-0.9
United States	331,276	340,847	345,955	4.4	1.5
Atlantic	34,908	36,391	36,729	5.2	0.9
Central	107,560	113,806	113,245	5.3	-0.5
West	188,808	190,650	195,981	3.8	2.8

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

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

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,589	51,574	49,508	-9.3	-4.0
New York	2,341	2,937	2,817	20.3	-4.1
Pennsylvania	8,084	8,635	7,966	-1.5	-7.7
Other States ¹	104,415	113,307	109,648	5.0	-3.2
United States	169,429	176,453	169,939	0.3	-3.7
Atlantic	16,256	19,071	17,338	6.7	-9.1
Central	64,403	71,671	71,234	10.6	-0.6
West	88,770	85,711	81,367	-8.3	-5.1

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: May 2015 and 2016

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	69,965	60,262	50,376	-28.0	-16.4
Pennsylvania	18,914	16,314	17,558	-7.2	7.6
Other States ¹	91,122	92,773	97,123	6.6	4.7
United States	180,001	169,349	165,057	-8.3	-2.5
Atlantic	35,873	32,965	36,077	0.6	9.4
Central	28,319	30,099	36,400	28.5	20.9
West	115,809	106,285	92,580	-20.1	-12.9

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: May 2015 and 2016

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	13,260	12,394	11,901	-10.2	-4.0
Wisconsin	26,980	26,876	27,391	1.5	1.9
Other States ¹	37,748	41,588	41,095	8.9	-1.2
United States	77,988	80,858	80,387	3.1	-0.6
Atlantic	22,308	21,800	21,760	-2.5	-0.2
Central	39,385	38,228	39,839	1.2	4.2
West	16,295	20,830	18,788	15.3	-9.8

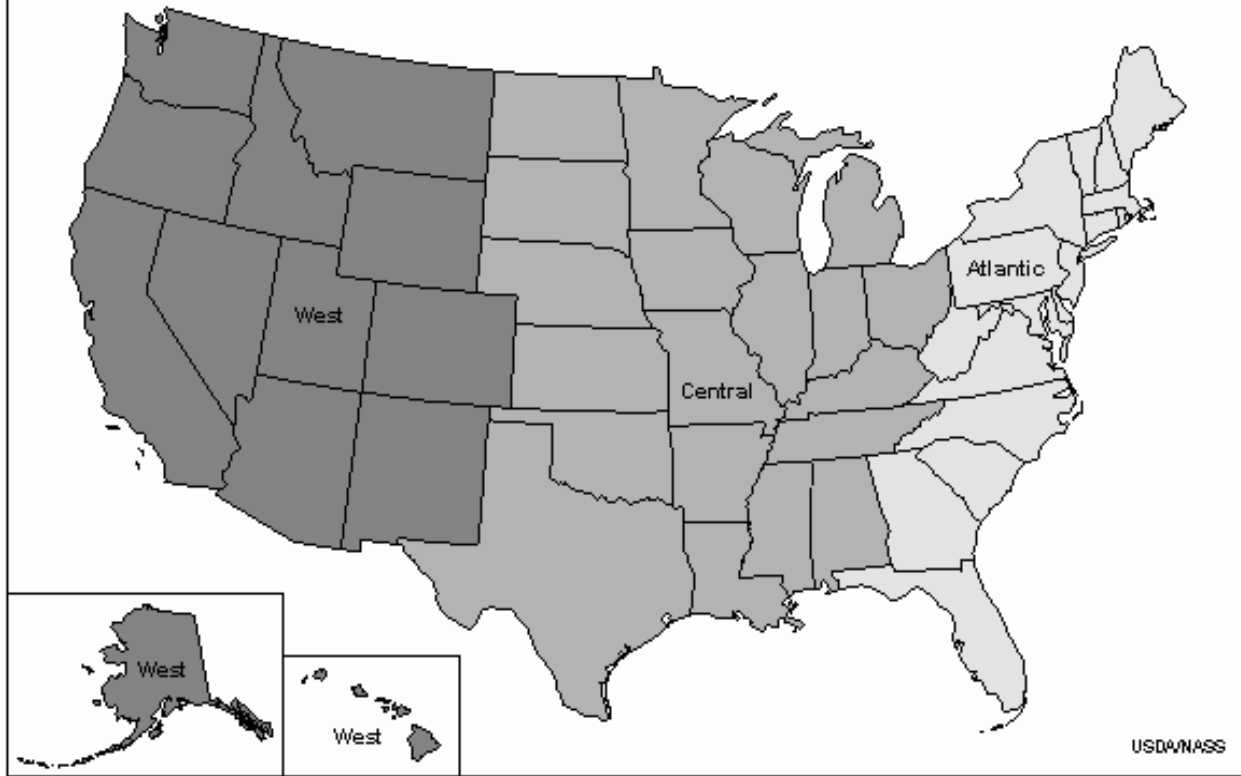
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	May 2015	April 2016	May 2016	Change from	
				May 2015	April 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	12,630	12,743	12,246	-3.0	-3.9
Connecticut	1,334	1,219	1,139	-14.6	-6.6
Missouri	2,421	2,230	2,793	15.4	25.2
Ohio	2,069	2,095	2,173	5.0	3.7
Oregon	1,195	1,297	1,347	12.7	3.9
Pennsylvania	3,361	3,178	3,568	6.2	12.3
Wisconsin	1,766	1,463	1,617	-8.4	10.5
Other States ¹	40,741	47,103	47,032	15.4	-0.2
United States	65,517	71,328	71,915	9.8	0.8
Atlantic	14,935	15,086	15,478	3.6	2.6
Central	32,453	37,073	37,339	15.1	0.7
West	18,129	19,169	19,098	5.3	-0.4

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

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