



Dairy Products

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July 2016 Highlights

Total cheese output (excluding cottage cheese) was 1.02 billion pounds, 1.4 percent above July 2015 and 2.6 percent above June 2016.

Italian type cheese production totaled 444 million pounds, 3.2 percent above July 2015 and 2.3 percent above June 2016.

American type cheese production totaled 398 million pounds, 0.2 percent above July 2015 and 2.2 percent above June 2016.

Butter production was 144 million pounds, 6.0 percent above July 2015 but 5.1 percent below June 2016.

Dry milk powders (comparisons with July 2015)

Nonfat dry milk, human - 153 million pounds, down 1.5 percent.

Skim milk powders - 46.3 million pounds, up 32.9 percent.

Whey products (comparisons with July 2015)

Dry whey, total - 83.9 million pounds, up 2.7 percent.

Lactose, human and animal - 97.7 million pounds, up 8.2 percent.

Whey protein concentrate, total - 37.8 million pounds, down 9.4 percent.

Frozen products (comparisons with July 2015)

Ice cream, regular (hard) - 69.7 million gallons, down 3.7 percent.

Ice cream, lowfat (total) - 41.7 million gallons, down 3.2 percent.

Sherbet (hard) - 3.28 million gallons, down 12.9 percent.

Frozen yogurt (total) - 5.93 million gallons, down 10.4 percent.

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

Product	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	135,525	151,244	143,595	6.0	-5.1
Cheese					
American types ¹	397,252	389,382	398,043	0.2	2.2
Cheddar	286,447	277,668	281,542	-1.7	1.4
Other American types	110,805	111,714	116,501	5.1	4.3
Blue and Gorgonzola	7,929	8,085	8,206	3.5	1.5
Brick and Muenster	17,246	15,004	16,732	-3.0	11.5
Cream and Neufchatel	74,875	68,201	73,486	-1.9	7.7
Feta	10,527	10,256	10,618	0.9	3.5
Gouda	3,686	2,033	3,593	-2.5	76.7
Hispanic	20,594	22,565	21,576	4.8	-4.4
Italian types	430,439	434,410	444,245	3.2	2.3
Mozzarella	339,588	339,659	348,135	2.5	2.5
Parmesan	29,656	33,301	35,028	18.1	5.2
Provolone	32,427	34,211	34,093	5.1	-0.3
Ricotta	17,789	17,526	17,500	-1.6	-0.1
Romano	5,287	3,935	4,030	-23.8	2.4
Other Italian types	5,692	5,778	5,459	-4.1	-5.5
Swiss	26,812	27,134	26,905	0.3	-0.8
All other types	13,712	13,683	13,307	-3.0	-2.7
Total cheese	1,003,072	990,753	1,016,711	1.4	2.6
Cottage cheese, curd ²	35,767	34,339	34,076	-4.7	-0.8
Cottage cheese, cream ³	28,791	27,852	27,699	-3.8	-0.5
Cottage cheese, lowfat ⁴	31,483	30,459	30,411	-3.4	-0.2
Sour cream	105,243	119,715	105,678	0.4	-11.7
Yogurt, plain and flavored	388,817	397,126	361,822	-6.9	-8.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	72,356	76,135	69,713	-3.7	-8.4
Ice cream, lowfat, hard	21,408	18,015	17,518	-18.2	-2.8
Ice cream, lowfat, soft	21,718	24,244	24,230	11.6	-0.1
Ice cream, lowfat, total	43,126	42,259	41,748	-3.2	-1.2
Ice cream, nonfat, hard	766	647	527	-31.2	-18.5
Sherbet, hard	3,766	3,597	3,282	-12.9	-8.8
Frozen yogurt, total	6,616	6,320	5,925	-10.4	-6.3
Regular and lowfat, hard	2,487	2,074	1,871	-24.8	-9.8
Nonfat, hard	575	586	500	-13.0	-14.7
Other frozen dairy products	1,168	1,317	983	-15.8	-25.4
Water and juice ices	7,366	7,500	7,170	-2.7	-4.4
Mix for frozen products					
Ice cream, regular, mix	44,589	45,246	42,457	-4.8	-6.2
Ice cream, lowfat, mix	25,639	23,999	23,729	-7.4	-1.1
Ice cream, nonfat, mix	723	607	553	-23.5	-8.9
Sherbet mix	2,530	2,405	2,205	-12.8	-8.3
Yogurt mix	3,760	3,754	3,496	-7.0	-6.9

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:
July 2015 and 2016**

Product	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,119	10,777	11,192	10.6	3.9
Dry whey products					
Dry whey, human	80,725	78,515	81,729	1.2	4.1
Dry whey, animal	966	1,619	2,196	127.3	35.6
Dry whey, total	81,691	80,134	83,925	2.7	4.7
Reduced lactose and minerals					
Human	2,885	2,465	2,318	-19.7	-6.0
Animal	3,099	2,384	2,698	-12.9	13.2
Whey protein concentrate					
Human ²	41,371	36,729	37,537	-9.3	2.2
Animal ²	352	254	284	-19.3	11.8
Total ²	41,723	36,983	37,821	-9.4	2.3
25.0-49.9 percent ³	18,870	15,172	14,999	-20.5	-1.1
50.0-89.9 percent ³	22,853	21,811	22,822	-0.1	4.6
Whey protein isolates ⁴	7,880	8,486	8,686	10.2	2.4
Lactose, human and animal	90,326	93,756	97,720	8.2	4.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	76,445	72,815	68,720	-10.1	-5.6
Dry whey, animal	2,468	1,454	1,599	-35.2	10.0
Dry whey, total	78,913	74,269	70,319	-10.9	-5.3
Reduced Lactose and minerals					
Human and animal ⁶	9,669	7,673	7,379	-23.7	-3.8
Whey protein concentrate					
Human ²	78,155	56,759	54,146	-30.7	-4.6
Animal ²	1,071	447	545	-49.1	21.9
Total ²	79,226	57,206	54,691	-31.0	-4.4
25.0-49.9 percent ³	36,484	20,917	20,455	-43.9	-2.2
50.0-89.9 percent ³	42,742	36,289	34,236	-19.9	-5.7
Whey protein isolates ⁴	12,399	17,852	18,279	47.4	2.4
Lactose, human and animal	127,592	120,660	115,136	-9.8	-4.6
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	34.9	22.2	17.2	-17.7	-5.1

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:
July 2015 and 2016**

Product	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	159,774	150,705	154,630	-3.2	2.6
Dry milk products					
Dry buttermilk, total	5,988	8,110	7,285	21.7	-10.2
Dry skim milk, animal	974	885	711	-27.0	-19.7
Dry whole milk	9,923	6,203	8,797	-11.3	41.8
Milk protein concentrate, total ¹	9,257	18,141	11,939	29.0	-34.2
Nonfat dry milk, human	155,245	146,017	152,948	-1.5	4.7
Skim milk powder, total ²	34,882	55,312	46,343	32.9	-16.2
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	14,390	21,400	18,568	29.0	-13.2
Dry skim milk, animal	2,319	2,483	2,363	1.9	-4.8
Dry whole milk	23,211	15,573	13,907	-40.1	-10.7
Nonfat dry milk, human	269,897	230,863	250,570	-7.2	8.5
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	137,850	139,392	123,530	-10.4	-11.4

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	1,002,024	1.6	4,866,002	4,977,163	2.3
June	976,802	990,753	1.4	5,842,804	5,967,916	2.1
July	1,003,072	1,016,711	1.4	6,845,876	6,984,627	2.0
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	400,350	-1.8	1,959,931	1,962,799	0.1
June	390,457	389,382	-0.3	2,350,388	2,352,181	0.1
July	397,252	398,043	0.2	2,747,640	2,750,224	0.1
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	290,549	-2.0	1,430,337	1,425,951	-0.3
June	287,963	277,668	-3.6	1,718,300	1,703,619	-0.9
July	286,447	281,542	-1.7	2,004,747	1,985,161	-1.0
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	440,810	5.6	2,101,771	2,195,230	4.4
June	422,827	434,410	2.7	2,524,598	2,629,640	4.2
July	430,439	444,245	3.2	2,955,037	3,073,885	4.0
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	345,427	4.3	1,651,749	1,714,726	3.8
June	331,891	339,659	2.3	1,983,640	2,054,385	3.6
July	339,588	348,135	2.5	2,323,228	2,402,520	3.4
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	6,250	-3.6	33,143	29,514	-10.9
June	6,297	5,778	-8.2	39,440	35,292	-10.5
July	5,692	5,459	-4.1	45,132	40,751	-9.7
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	170,015	0.3	832,020	878,601	5.6
June	143,714	151,244	5.2	975,734	1,029,845	5.5
July	135,525	143,595	6.0	1,111,259	1,173,440	5.6
August	128,091			1,239,350		
September	133,659			1,373,009		
October	148,424			1,521,433		
November	152,329			1,673,762		
December	175,556			1,849,318		
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	166,026	-7.8	860,236	784,655	-8.8
June	165,441	146,017	-11.7	1,025,677	930,672	-9.3
July	155,245	152,948	-1.5	1,180,922	1,083,620	-8.2
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	50,865	43.1	182,506	226,062	23.9
June	34,676	55,312	59.5	217,182	281,374	29.6
July	34,882	46,343	32.9	252,064	327,717	30.0
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	82,046	3.3	397,556	406,075	2.1
June	85,761	80,134	-6.6	483,317	486,209	0.6
July	81,691	83,925	2.7	565,008	570,134	0.9
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	91,631	3.8	440,186	440,802	0.1
June	89,945	93,756	4.2	530,131	534,558	0.8
July	90,326	97,720	8.2	620,457	632,278	1.9
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	37,992	-13.5	210,993	189,858	-10.0
June	39,008	36,983	-5.2	250,001	226,841	-9.3
July	41,723	37,821	-9.4	291,724	264,662	-9.3
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	27,985	6.5	128,374	132,319	3.1
June	27,179	27,852	2.5	155,553	160,171	3.0
July	28,791	27,699	-3.8	184,344	187,870	1.9
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	31,902	6.6	149,831	154,009	2.8
June	32,113	30,459	-5.2	181,944	184,468	1.4
July	31,483	30,411	-3.4	213,427	214,879	0.7
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	113,759	8.9	525,139	538,901	2.6
June	110,834	119,715	8.0	635,973	658,616	3.6
July	105,243	105,678	0.4	741,216	764,294	3.1
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	71,903	9.7	322,999	331,744	2.7
June	72,534	76,135	5.0	395,533	407,879	3.1
July	72,356	69,713	-3.7	467,889	477,592	2.1
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	40,290	-2.1	179,982	177,865	-1.2
June	46,491	42,259	-9.1	226,473	220,124	-2.8
July	43,126	41,748	-3.2	269,599	261,872	-2.9
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	3,484	-6.8	17,462	16,438	-5.9
June	3,875	3,597	-7.2	21,337	20,035	-6.1
July	3,766	3,282	-12.9	25,103	23,317	-7.1
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	380,186	-4.2	2,007,414	1,985,208	-1.1
June	395,772	397,126	0.3	2,403,186	2,382,334	-0.9
July	388,817	361,822	-6.9	2,792,003	2,744,156	-1.7
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	5,755	-1.2	29,423	27,617	-6.1
June	7,069	6,320	-10.6	36,492	33,937	-7.0
July	6,616	5,925	-10.4	43,108	39,862	-7.5
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: July 2015 and 2016

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	205,007	207,548	213,200	4.0	2.7
Idaho	79,831	81,239	82,921	3.9	2.1
Illinois	7,110	6,595	6,470	-9.0	-1.9
Iowa	22,619	19,233	22,181	-1.9	15.3
Minnesota	57,339	54,335	54,753	-4.5	0.8
New Jersey	4,505	5,135	5,042	11.9	-1.8
New Mexico	64,852	59,654	65,758	1.4	10.2
New York	67,779	64,375	69,016	1.8	7.2
Ohio	17,370	17,912	16,854	-3.0	-5.9
Pennsylvania	34,566	33,878	33,710	-2.5	-0.5
South Dakota	22,012	23,601	23,646	7.4	0.2
Vermont	10,557	10,306	10,629	0.7	3.1
Wisconsin	263,158	262,180	266,147	1.1	1.5
Other States ¹	146,367	144,762	146,384	-	1.1
United States	1,003,072	990,753	1,016,711	1.4	2.6
Atlantic	124,164	120,504	125,210	0.8	3.9
Central	456,273	447,319	452,998	-0.7	1.3
West	422,635	422,930	438,503	3.8	3.7

- Represents zero.

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

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,864	53,298	53,520	-2.4	0.4
Idaho	52,768	49,220	53,213	0.8	8.1
Iowa	11,753	12,448	13,792	17.3	10.8
New York	11,296	11,000	11,302	0.1	2.7
Oregon	15,393	15,850	16,241	5.5	2.5
Pennsylvania	76	69	75	-1.3	8.7
Wisconsin	78,351	76,800	76,900	-1.9	0.1
Other States ¹	172,751	170,697	173,000	0.1	1.3
United States	397,252	389,382	398,043	0.2	2.2
Atlantic	24,375	24,083	24,576	0.8	2.0
Central	190,950	184,816	187,395	-1.9	1.4
West	181,927	180,483	186,072	2.3	3.1

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

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	31,281	27,553	27,235	-12.9	-1.2
Idaho	41,528	39,408	43,062	3.7	9.3
Iowa	6,834	7,126	8,143	19.2	14.3
Minnesota	44,150	39,149	39,218	-11.2	0.2
Vermont	7,132	7,410	7,456	4.5	0.6
Wisconsin	51,796	51,333	51,600	-0.4	0.5
Other States ¹	103,726	105,689	104,828	1.1	-0.8
United States	286,447	277,668	281,542	-1.7	1.4
Atlantic	23,177	23,262	23,579	1.7	1.4
Central	132,309	125,005	126,868	-4.1	1.5
West	130,961	129,401	131,095	0.1	1.3

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

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	133,129	134,331	140,033	5.2	4.2
Idaho	21,184	25,579	22,289	5.2	-12.9
New York	28,259	28,956	30,154	6.7	4.1
Pennsylvania	21,501	21,297	21,884	1.8	2.8
Wisconsin	131,177	135,978	136,207	3.8	0.2
Other States ¹	95,189	88,269	93,678	-1.6	6.1
United States	430,439	434,410	444,245	3.2	2.3
Atlantic	54,484	55,148	56,926	4.5	3.2
Central	174,077	176,885	177,638	2.0	0.4
West	201,878	202,377	209,681	3.9	3.6

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

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	121,995	122,209	126,736	3.9	3.7
Idaho	19,788	23,542	20,931	5.8	-11.1
New York	15,680	16,000	16,474	5.1	3.0
Pennsylvania	18,513	18,375	19,171	3.6	4.3
Wisconsin	90,885	92,692	94,400	3.9	1.8
Other States ¹	72,727	66,841	70,423	-3.2	5.4
United States	339,588	339,659	348,135	2.5	2.5
Atlantic	36,730	36,880	38,433	4.6	4.2
Central	115,003	115,950	116,327	1.2	0.3
West	187,855	186,829	193,375	2.9	3.5

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

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	40,719	46,035	43,446	6.7	-5.6
New York	1,004	2,146	1,080	7.6	-49.7
Pennsylvania	6,752	8,000	7,898	17.0	-1.3
Other States ¹	87,050	95,063	91,171	4.7	-4.1
United States	135,525	151,244	143,595	6.0	-5.1
Atlantic	11,520	13,734	10,889	-5.5	-20.7
Central	54,917	58,258	53,919	-1.8	-7.4
West	69,088	79,252	78,787	14.0	-0.6

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: July 2015 and 2016

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	57,046	38,004	44,664	-21.7	17.5
Pennsylvania	15,477	18,075	15,306	-1.1	-15.3
Other States ¹	82,722	89,938	92,978	12.4	3.4
United States	155,245	146,017	152,948	-1.5	4.7
Atlantic	30,692	36,117	32,040	4.4	-11.3
Central	23,267	29,756	26,850	15.4	-9.8
West	101,286	80,144	94,058	-7.1	17.4

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: July 2015 and 2016

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,188	13,265	12,975	6.5	-2.2
Wisconsin	27,710	25,266	26,526	-4.3	5.0
Other States ¹	40,827	39,984	42,228	3.4	5.6
United States	80,725	78,515	81,729	1.2	4.1
Atlantic	22,115	22,532	21,720	-1.8	-3.6
Central	40,201	37,550	38,898	-3.2	3.6
West	18,409	18,433	21,111	14.7	14.5

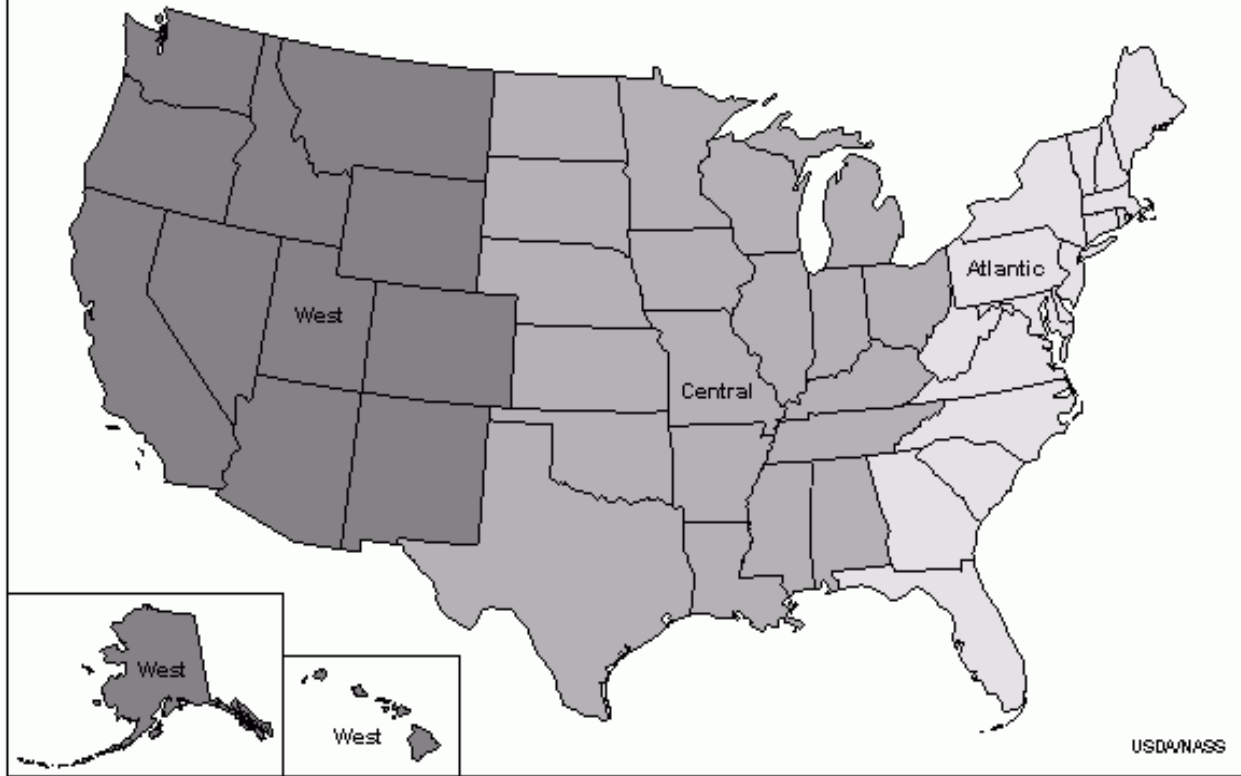
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	July 2015	June 2016	July 2016	Change from	
				July 2015	June 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	13,711	12,511	10,247	-25.3	-18.1
Connecticut	1,378	1,329	1,271	-7.8	-4.4
Missouri	2,690	2,772	2,614	-2.8	-5.7
Ohio	2,460	2,461	2,610	6.1	6.1
Oregon	1,362	1,299	1,367	0.4	5.2
Pennsylvania	3,676	3,922	3,776	2.7	-3.7
Wisconsin	1,886	2,058	1,885	-0.1	-8.4
Other States ¹	45,193	49,783	45,943	1.7	-7.7
United States	72,356	76,135	69,713	-3.7	-8.4
Atlantic	15,702	16,737	15,583	-0.8	-6.9
Central	36,467	40,378	37,856	3.8	-6.2
West	20,187	19,020	16,274	-19.4	-14.4

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

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