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September 2016 Highlights

Total cheese output (excluding cottage cheese) was 981 million pounds, 1.6 percent above September 2015 but 1.8 percent below August 2016.

Italian type cheese production totaled 421 million pounds, 4.4 percent above September 2015 but 0.9 percent below August 2016.

American type cheese production totaled 378 million pounds, 0.3 percent below September 2015 and 2.9 percent below August 2016.

Butter production was 133 million pounds, 0.4 percent below September 2015 but 2.3 percent above August 2016.

Dry milk powders (comparisons with September 2015)

Nonfat dry milk, human - 126 million pounds, up 4.7 percent.

Skim milk powders - 38.4 million pounds, up 43.3 percent.

Whey products (comparisons with September 2015)

Dry whey, total - 74.5 million pounds, down 6.0 percent.

Lactose, human and animal - 91.5 million pounds, up 7.5 percent.

Whey protein concentrate, total - 34.2 million pounds, down 8.7 percent.

Frozen products (comparisons with September 2015)

Ice cream, regular (hard) - 62.2 million gallons, down 4.9 percent.

Ice cream, lowfat (total) - 34.1 million gallons, down 3.8 percent.

Sherbet (hard) - 3.23 million gallons, down 5.2 percent.

Frozen yogurt (total) - 5.12 million gallons, down 9.7 percent.

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

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	133,659	130,057	133,099	-0.4	2.3
Cheese					
American types ¹	379,532	389,387	378,284	-0.3	-2.9
Cheddar	271,528	279,186	270,225	-0.5	-3.2
Other American types	108,004	110,201	108,059	0.1	-1.9
Blue and Gorgonzola	8,207	7,538	7,799	-5.0	3.5
Brick and Muenster	13,301	15,138	14,969	12.5	-1.1
Cream and Neufchatel	83,438	84,361	80,112	-4.0	-5.0
Feta	9,251	11,100	10,497	13.5	-5.4
Gouda	5,216	5,637	5,914	13.4	4.9
Hispanic	22,092	21,949	22,598	2.3	3.0
Italian types	403,028	424,496	420,725	4.4	-0.9
Mozzarella	317,118	328,638	329,108	3.8	0.1
Parmesan	23,606	31,513	27,506	16.5	-12.7
Provolone	32,591	34,203	33,352	2.3	-2.5
Ricotta	20,575	21,276	21,340	3.7	0.3
Romano	3,578	3,908	4,053	13.3	3.7
Other Italian types	5,560	4,958	5,366	-3.5	8.2
Swiss	25,278	25,438	24,810	-1.9	-2.5
All other types	16,714	14,539	15,470	-7.4	6.4
Total cheese	966,057	999,583	981,178	1.6	-1.8
Cottage cheese, curd ²	34,670	35,875	34,562	-0.3	-3.7
Cottage cheese, cream ³	27,369	28,855	27,433	0.2	-4.9
Cottage cheese, lowfat ⁴	31,918	31,646	30,236	-5.3	-4.5
Sour cream	106,825	116,521	109,711	2.7	-5.8
Yogurt, plain and flavored	445,270	419,109	436,085	-2.1	4.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	65,391	70,965	62,209	-4.9	-12.3
Ice cream, lowfat, hard	17,447	19,218	16,710	-4.2	-13.1
Ice cream, lowfat, soft	17,994	25,214	17,380	-3.4	-31.1
Ice cream, lowfat, total	35,441	44,432	34,090	-3.8	-23.3
Ice cream, nonfat, hard	586	596	502	-14.3	-15.8
Sherbet, hard	3,407	3,120	3,230	-5.2	3.5
Frozen yogurt, total	5,673	5,926	5,124	-9.7	-13.5
Regular and lowfat, hard	1,904	2,113	1,492	-21.6	-29.4
Nonfat, hard	686	502	549	-20.0	9.4
Other frozen dairy products	1,212	1,115	1,229	1.4	10.2
Water and juice ices	5,880	6,547	6,016	2.3	-8.1
Mix for frozen products					
Ice cream, regular, mix	38,646	42,751	36,188	-6.4	-15.4
Ice cream, lowfat, mix	20,018	25,213	19,202	-4.1	-23.8
Ice cream, nonfat, mix	601	603	580	-3.5	-3.8
Sherbet mix	2,118	2,114	2,142	1.1	1.3
Yogurt mix	3,068	3,688	2,976	-3.0	-19.3

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:
September 2015 and 2016**

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,228	11,451	10,849	6.1	-5.3
Dry whey products					
Dry whey, human	77,751	73,908	73,466	-5.5	-0.6
Dry whey, animal	1,496	2,488	1,054	-29.5	-57.6
Dry whey, total	79,247	76,396	74,520	-6.0	-2.5
Reduced lactose and minerals					
Human	2,938	2,705	2,671	-9.1	-1.3
Animal	2,565	2,324	2,634	2.7	13.3
Whey protein concentrate					
Human ²	37,148	34,140	33,908	-8.7	-0.7
Animal ²	292	197	262	-10.3	33.0
Total ²	37,440	34,337	34,170	-8.7	-0.5
25.0-49.9 percent ³	16,432	13,631	13,306	-19.0	-2.4
50.0-89.9 percent ³	21,008	20,706	20,864	-0.7	0.8
Whey protein isolates ⁴	8,399	8,396	10,084	20.1	20.1
Lactose, human and animal	85,084	92,209	91,472	7.5	-0.8
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	70,296	60,492	51,718	-26.4	-14.5
Dry whey, animal	3,132	1,172	1,149	-63.3	-2.0
Dry whey, total	73,428	61,664	52,867	-28.0	-14.3
Reduced Lactose and minerals					
Human and animal ⁶	9,773	7,615	7,801	-20.2	2.4
Whey protein concentrate					
Human ²	76,391	57,521	51,625	-32.4	-10.3
Animal ²	804	455	497	-38.2	9.2
Total ²	77,195	57,976	52,122	-32.5	-10.1
25.0-49.9 percent ³	34,443	20,749	17,294	-49.8	-16.7
50.0-89.9 percent ³	42,752	37,227	34,828	-18.5	-6.4
Whey protein isolates ⁴	13,956	16,816	20,027	43.5	19.1
Lactose, human and animal	115,183	118,949	115,099	-0.1	-3.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.9	11.6	14.6	-0.3	3.0

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:
September 2015 and 2016**

Product	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	134,764	140,081	124,565	-7.6	-11.1
Dry milk products					
Dry buttermilk, total	6,885	6,774	7,153	3.9	5.6
Dry skim milk, animal	702	972	635	-9.5	-34.7
Dry whole milk	4,194	6,716	6,879	64.0	2.4
Milk protein concentrate, total ¹	11,684	9,865	10,855	-7.1	10.0
Nonfat dry milk, human	119,947	117,657	125,643	4.7	6.8
Skim milk powder, total ²	26,837	46,426	38,447	43.3	-17.2
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	9,864	16,164	17,024	72.6	5.3
Dry skim milk, animal	1,900	2,152	1,640	-13.7	-23.8
Dry whole milk	9,383	12,898	13,493	43.8	4.6
Nonfat dry milk, human	211,576	234,834	216,086	2.1	-8.0
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	132,528	133,120	134,096	1.2	0.7

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	1,012,526	0.9	6,845,876	6,980,442	2.0
August	978,177	999,583	2.2	7,824,053	7,980,025	2.0
September	966,057	981,178	1.6	8,790,110	8,961,203	1.9
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	398,996	0.4	2,747,640	2,751,177	0.1
August	394,944	389,387	-1.4	3,142,584	3,140,564	-0.1
September	379,532	378,284	-0.3	3,522,116	3,518,848	-0.1
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	281,801	-1.6	2,004,747	1,985,420	-1.0
August	279,375	279,186	-0.1	2,284,122	2,264,606	-0.9
September	271,528	270,225	-0.5	2,555,650	2,534,831	-0.8
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	443,092	2.9	2,955,037	3,072,732	4.0
August	402,279	424,496	5.5	3,357,316	3,497,228	4.2
September	403,028	420,725	4.4	3,760,344	3,917,953	4.2
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	348,503	2.6	2,323,228	2,402,888	3.4
August	315,163	328,638	4.3	2,638,391	2,731,526	3.5
September	317,118	329,108	3.8	2,955,509	3,060,634	3.6
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	5,296	-7.0	45,132	40,588	-10.1
August	6,130	4,958	-19.1	51,262	45,546	-11.2
September	5,560	5,366	-3.5	56,822	50,912	-10.4
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	144,019	6.3	1,111,259	1,173,864	5.6
August	128,091	130,057	1.5	1,239,350	1,303,921	5.2
September	133,659	133,099	-0.4	1,373,009	1,437,020	4.7
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	150,889	-2.8	1,180,922	1,081,561	-8.4
August	123,885	117,657	-5.0	1,304,807	1,199,218	-8.1
September	119,947	125,643	4.7	1,424,754	1,324,861	-7.0
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	48,814	39.9	252,064	330,188	31.0
August	39,288	46,426	18.2	291,352	376,614	29.3
September	26,837	38,447	43.3	318,189	415,061	30.4
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	82,354	0.8	565,008	568,563	0.6
August	82,744	76,396	-7.7	647,752	644,959	-0.4
September	79,247	74,520	-6.0	726,999	719,479	-1.0
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	97,715	8.2	620,457	632,273	1.9
August	86,557	92,209	6.5	707,014	724,482	2.5
September	85,084	91,472	7.5	792,098	815,954	3.0
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	36,664	-12.1	291,724	263,505	-9.7
August	39,564	34,337	-13.2	331,288	297,842	-10.1
September	37,440	34,170	-8.7	368,728	332,012	-10.0
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	26,482	-8.0	184,344	186,653	1.3
August	27,810	28,855	3.8	212,154	215,508	1.6
September	27,369	27,433	0.2	239,523	242,941	1.4
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	29,912	-5.0	213,427	214,380	0.4
August	31,377	31,646	0.9	244,804	246,026	0.5
September	31,918	30,236	-5.3	276,722	276,262	-0.2
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	104,836	-0.4	741,216	763,452	3.0
August	107,410	116,521	8.5	848,626	879,973	3.7
September	106,825	109,711	2.7	955,451	989,684	3.6
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	69,600	-3.8	467,889	477,479	2.0
August	69,503	70,965	2.1	537,392	548,444	2.1
September	65,391	62,209	-4.9	602,783	610,653	1.3
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	41,608	-3.5	269,599	261,732	-2.9
August	42,556	44,432	4.4	312,155	306,164	-1.9
September	35,441	34,090	-3.8	347,596	340,254	-2.1
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	3,229	-14.3	25,103	23,264	-7.3
August	3,553	3,120	-12.2	28,656	26,384	-7.9
September	3,407	3,230	-5.2	32,063	29,614	-7.6
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	361,949	-6.9	2,792,003	2,744,283	-1.7
August	401,818	419,109	4.3	3,193,821	3,163,392	-1.0
September	445,270	436,085	-2.1	3,639,091	3,599,477	-1.1
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	6,004	-9.3	43,108	39,941	-7.3
August	5,891	5,926	0.6	48,999	45,867	-6.4
September	5,673	5,124	-9.7	54,672	50,991	-6.7
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:
September 2015 and 2016**

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	193,048	205,574	202,451	4.9	-1.5
Idaho	81,813	78,162	81,738	-0.1	4.6
Illinois	6,322	6,775	6,703	6.0	-1.1
Iowa	17,000	20,680	18,172	6.9	-12.1
Minnesota	53,675	52,710	52,899	-1.4	0.4
New Jersey	5,043	5,158	5,582	10.7	8.2
New Mexico	59,776	61,712	59,875	0.2	-3.0
New York	70,190	72,696	71,049	1.2	-2.3
Ohio	18,044	18,700	17,145	-5.0	-8.3
Pennsylvania	33,429	33,739	32,184	-3.7	-4.6
South Dakota	22,636	21,829	21,337	-5.7	-2.3
Vermont	10,384	11,407	10,424	0.4	-8.6
Wisconsin	250,496	261,277	258,850	3.3	-0.9
Other States ¹	144,201	149,164	142,769	-1.0	-4.3
United States	966,057	999,583	981,178	1.6	-1.8
Atlantic	125,224	129,755	125,514	0.2	-3.3
Central	429,165	447,779	436,104	1.6	-2.6
West	411,668	422,049	419,560	1.9	-0.6

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

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	52,615	55,630	53,186	1.1	-4.4
Idaho	51,067	52,756	49,185	-3.7	-6.8
Iowa	11,314	13,758	13,257	17.2	-3.6
New York	10,953	10,739	10,511	-4.0	-2.1
Oregon	15,876	16,327	16,397	3.3	0.4
Pennsylvania	79	79	78	-1.3	-1.3
Wisconsin	71,788	71,549	72,800	1.4	1.7
Other States ¹	165,840	168,549	162,870	-1.8	-3.4
United States	379,532	389,387	378,284	-0.3	-2.9
Atlantic	23,479	24,041	23,042	-1.9	-4.2
Central	180,250	180,286	179,620	-0.3	-0.4
West	175,803	185,060	175,622	-0.1	-5.1

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

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	28,039	30,291	27,933	-0.4	-7.8
Idaho	41,305	41,646	36,559	-11.5	-12.2
Iowa	7,843	8,536	8,323	6.1	-2.5
Minnesota	43,561	40,244	41,173	-5.5	2.3
Vermont	6,808	7,508	7,456	9.5	-0.7
Wisconsin	46,113	47,895	49,100	6.5	2.5
Other States ¹	97,859	103,066	99,681	1.9	-3.3
United States	271,528	279,186	270,225	-0.5	-3.2
Atlantic	22,364	22,954	22,065	-1.3	-3.9
Central	123,286	124,075	124,327	0.8	0.2
West	125,878	132,157	123,833	-1.6	-6.3

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: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	120,753	130,907	127,674	5.7	-2.5
Idaho	25,226	19,394	26,134	3.6	34.8
New York	28,428	30,039	31,003	9.1	3.2
Pennsylvania	19,476	19,529	19,628	0.8	0.5
Wisconsin	123,382	135,341	131,227	6.4	-3.0
Other States ¹	85,763	89,286	85,059	-0.8	-4.7
United States	403,028	424,496	420,725	4.4	-0.9
Atlantic	52,827	54,731	55,720	5.5	1.8
Central	159,713	175,685	166,725	4.4	-5.1
West	190,488	194,080	198,280	4.1	2.2

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

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	110,258	119,182	118,325	7.3	-0.7
Idaho	23,872	18,209	24,722	3.6	35.8
New York	14,696	15,053	15,712	6.9	4.4
Pennsylvania	16,580	16,357	16,902	1.9	3.3
Wisconsin	83,213	91,923	87,000	4.6	-5.4
Other States ¹	68,499	67,914	66,447	-3.0	-2.2
United States	317,118	328,638	329,108	3.8	0.1
Atlantic	33,591	34,245	35,251	4.9	2.9
Central	106,380	114,919	108,324	1.8	-5.7
West	177,147	179,474	185,533	4.7	3.4

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

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	38,520	38,223	39,972	3.8	4.6
New York	1,880	1,730	2,385	26.9	37.9
Pennsylvania	6,398	4,256	7,010	9.6	64.7
Other States ¹	86,861	85,848	83,732	-3.6	-2.5
United States	133,659	130,057	133,099	-0.4	2.3
Atlantic	12,397	9,076	14,116	13.9	55.5
Central	52,068	50,627	53,502	2.8	5.7
West	69,194	70,354	65,481	-5.4	-6.9

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: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	48,691	30,552	41,801	-14.2	36.8
Pennsylvania	11,597	13,164	11,504	-0.8	-12.6
Other States ¹	59,659	73,941	72,338	21.3	-2.2
United States	119,947	117,657	125,643	4.7	6.8
Atlantic	19,241	25,390	19,096	-0.8	-24.8
Central	19,150	21,402	24,814	29.6	15.9
West	81,556	70,865	81,733	0.2	15.3

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: September 2015 and 2016

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,710	12,307	13,151	3.5	6.9
Wisconsin	24,687	24,865	23,381	-5.3	-6.0
Other States ¹	40,354	36,736	36,934	-8.5	0.5
United States	77,751	73,908	73,466	-5.5	-0.6
Atlantic	21,468	19,618	20,870	-2.8	6.4
Central	35,414	36,241	34,131	-3.6	-5.8
West	20,869	18,049	18,465	-11.5	2.3

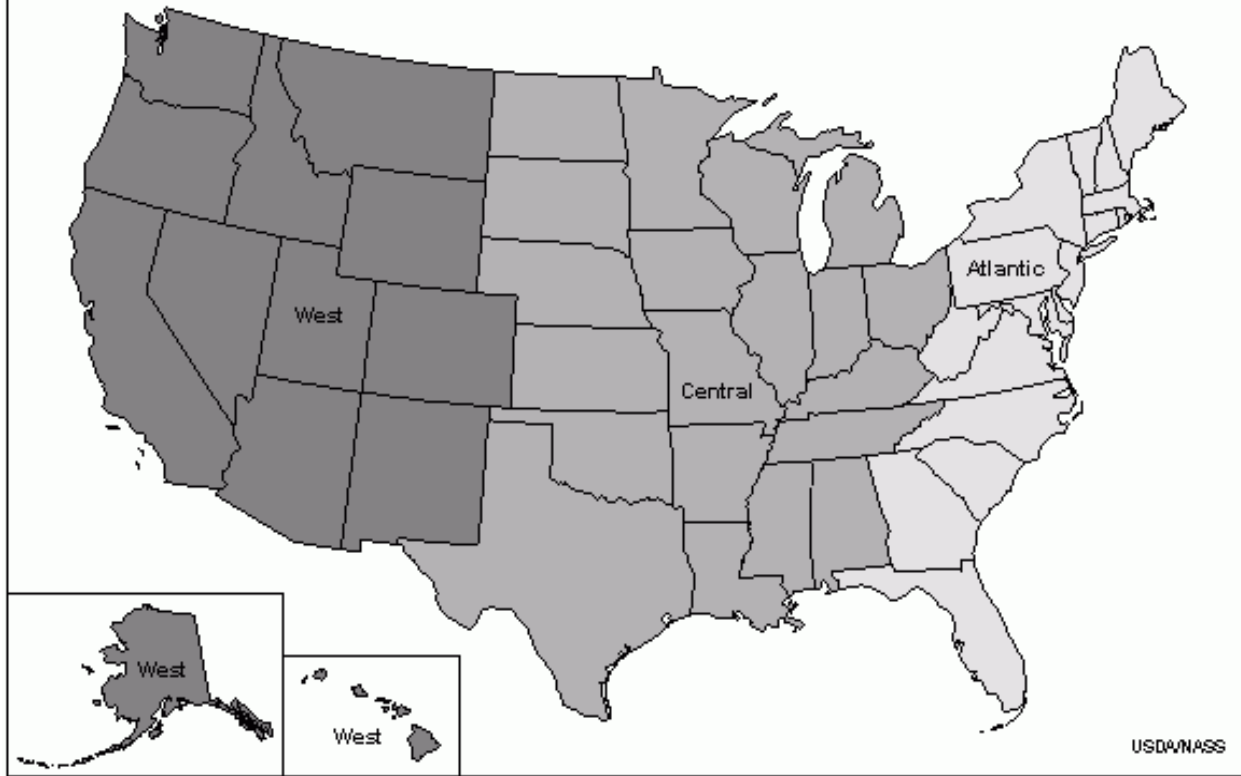
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	September 2015	August 2016	September 2016	Change from	
				September 2015	August 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	11,800	10,427	9,120	-22.7	-12.5
Connecticut	1,230	1,203	1,086	-11.7	-9.7
Missouri	1,918	2,149	1,915	-0.2	-10.9
Ohio	2,206	2,376	1,997	-9.5	-16.0
Oregon	920	1,313	1,106	20.2	-15.8
Pennsylvania	3,197	4,008	2,872	-10.2	-28.3
Wisconsin	1,605	1,999	1,768	10.2	-11.6
Other States ¹	42,515	47,490	42,345	-0.4	-10.8
United States	65,391	70,965	62,209	-4.9	-12.3
Atlantic	14,057	16,472	13,047	-7.2	-20.8
Central	33,485	37,548	34,316	2.5	-8.6
West	17,849	16,945	14,846	-16.8	-12.4

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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- 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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