



Dairy Products

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October 2016 Highlights

Total cheese output (excluding cottage cheese) was 1.03 billion pounds, 0.5 percent above October 2015 and 4.8 percent above September 2016.

Italian type cheese production totaled 442 million pounds, 1.0 percent above October 2015 and 3.3 percent above September 2016.

American type cheese production totaled 398 million pounds, 1.4 percent above October 2015 and 5.7 percent above September 2016.

Butter production was 143 million pounds, 3.6 percent below October 2015 but 5.7 percent above September 2016.

Dry milk powders (comparisons with October 2015)

Nonfat dry milk, human - 140 million pounds, up 18.0 percent.

Skim milk powders - 42.9 million pounds, up 8.1 percent.

Whey products (comparisons with October 2015)

Dry whey, total - 84.1 million pounds, up 9.0 percent.

Lactose, human and animal - 89.3 million pounds, up 7.5 percent.

Whey protein concentrate, total - 36.3 million pounds, down 13.8 percent.

Frozen products (comparisons with October 2015)

Ice cream, regular (hard) - 60.1 million gallons, down 5.1 percent.

Ice cream, lowfat (total) - 31.4 million gallons, down 1.7 percent.

Sherbet (hard) - 2.56 million gallons, down 12.5 percent.

Frozen yogurt (total) - 5.06 million gallons, down 8.8 percent.

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

Product	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	148,424	135,346	143,028	-3.6	5.7
Cheese					
American types ¹	392,516	376,427	397,969	1.4	5.7
Cheddar	278,831	268,541	279,514	0.2	4.1
Other American types	113,685	107,886	118,455	4.2	9.8
Blue and Gorgonzola	7,750	7,087	7,522	-2.9	6.1
Brick and Muenster	16,667	15,078	17,065	2.4	13.2
Cream and Neufchatel	96,108	78,573	88,593	-7.8	12.8
Feta	9,109	10,539	9,490	4.2	-10.0
Gouda	4,524	5,823	6,730	48.8	15.6
Hispanic	21,602	22,907	22,361	3.5	-2.4
Italian types	437,762	428,277	442,333	1.0	3.3
Mozzarella	342,127	334,566	340,755	-0.4	1.8
Parmesan	27,643	27,405	32,320	16.9	17.9
Provolone	32,875	33,954	34,914	6.2	2.8
Ricotta	24,234	22,211	23,118	-4.6	4.1
Romano	4,137	4,109	4,953	19.7	20.5
Other Italian types	6,746	6,032	6,273	-7.0	4.0
Swiss	26,532	25,164	25,901	-2.4	2.9
All other types	14,709	15,437	14,593	-0.8	-5.5
Total cheese	1,027,279	985,312	1,032,557	0.5	4.8
Cottage cheese, curd ²	33,065	34,567	33,245	0.5	-3.8
Cottage cheese, cream ³	27,130	27,410	26,650	-1.8	-2.8
Cottage cheese, lowfat ⁴	29,543	30,221	30,316	2.6	0.3
Sour cream	119,063	109,965	125,553	5.5	14.2
Yogurt, plain and flavored	387,836	436,390	380,952	-1.8	-12.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	63,356	62,326	60,099	-5.1	-3.6
Ice cream, lowfat, hard	15,563	17,212	14,864	-4.5	-13.6
Ice cream, lowfat, soft	16,355	17,433	16,496	0.9	-5.4
Ice cream, lowfat, total	31,918	34,645	31,360	-1.7	-9.5
Ice cream, nonfat, hard	608	502	593	-2.5	18.1
Sherbet, hard	2,927	3,229	2,560	-12.5	-20.7
Frozen yogurt, total	5,543	5,213	5,055	-8.8	-3.0
Regular and lowfat, hard	1,913	1,556	1,501	-21.5	-3.5
Nonfat, hard	562	574	486	-13.5	-15.3
Other frozen dairy products	1,235	1,229	1,132	-8.3	-7.9
Water and juice ices	5,422	6,014	5,530	2.0	-8.0
Mix for frozen products					
Ice cream, regular, mix	36,621	36,433	35,109	-4.1	-3.6
Ice cream, lowfat, mix	16,694	19,498	17,701	6.0	-9.2
Ice cream, nonfat, mix	583	580	591	1.4	1.9
Sherbet mix	2,008	2,147	1,714	-14.6	-20.2
Yogurt mix	3,259	3,023	3,143	-3.6	4.0

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:
October 2015 and 2016**

Product	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,179	10,422	10,453	2.7	0.3
Dry whey products					
Dry whey, human	75,439	74,808	81,874	8.5	9.4
Dry whey, animal	1,669	1,056	2,211	32.5	109.4
Dry whey, total	77,108	75,864	84,085	9.0	10.8
Reduced lactose and minerals					
Human	2,814	2,671	2,839	0.9	6.3
Animal	3,125	2,634	3,000	-4.0	13.9
Whey protein concentrate					
Human ²	41,807	34,596	36,026	-13.8	4.1
Animal ²	269	747	243	-9.7	-67.5
Total ²	42,076	35,343	36,269	-13.8	2.6
25.0-49.9 percent ³	16,879	13,685	14,184	-16.0	3.6
50.0-89.9 percent ³	25,197	21,658	22,085	-12.4	2.0
Whey protein isolates ⁴	8,239	10,709	10,280	24.8	-4.0
Lactose, human and animal	83,126	94,699	89,342	7.5	-5.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	54,821	50,476	59,652	8.8	18.2
Dry whey, animal	2,345	1,065	1,269	-45.9	19.2
Dry whey, total	57,166	51,541	60,921	6.6	18.2
Reduced Lactose and minerals					
Human and animal ⁶	9,589	7,801	7,494	-21.8	-3.9
Whey protein concentrate					
Human ²	67,544	51,832	55,875	-17.3	7.8
Animal ²	1,192	762	668	-44.0	-12.3
Total ²	68,736	52,594	56,543	-17.7	7.5
25.0-49.9 percent ³	26,731	17,604	17,997	-32.7	2.2
50.0-89.9 percent ³	42,005	34,990	38,546	-8.2	10.2
Whey protein isolates ⁴	15,205	19,519	21,618	42.2	10.8
Lactose, human and animal	105,109	115,059	107,229	2.0	-6.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.1	14.1	13.4	-0.7	-0.8

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:
October 2015 and 2016**

Product	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	136,363	123,290	121,290	-11.1	-1.6
Dry milk products					
Dry buttermilk, total	7,445	8,021	8,405	12.9	4.8
Dry skim milk, animal	689	613	865	25.5	41.1
Dry whole milk	5,221	6,921	6,887	31.9	-0.5
Milk protein concentrate, total ¹	12,042	10,503	10,894	-9.5	3.7
Nonfat dry milk, human	118,358	125,797	139,621	18.0	11.0
Skim milk powder, total ²	39,723	38,447	42,941	8.1	11.7
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	11,099	17,602	17,711	59.6	0.6
Dry skim milk, animal	2,119	1,636	2,039	-3.8	24.6
Dry whole milk	6,039	13,698	14,087	133.3	2.8
Nonfat dry milk, human	180,038	216,327	225,420	25.2	4.2
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	143,720	132,878	122,962	-14.4	-7.5

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	985,312	2.0	8,790,110	8,965,337	2.0
October	1,027,279	1,032,557	0.5	9,817,389	9,997,894	1.8
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	376,427	-0.8	3,522,116	3,516,991	-0.1
October	392,516	397,969	1.4	3,914,632	3,914,960	
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	268,541	-1.1	2,555,650	2,533,147	-0.9
October	278,831	279,514	0.2	2,834,481	2,812,661	-0.8
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	428,277	6.3	3,760,344	3,925,505	4.4
October	437,762	442,333	1.0	4,198,106	4,367,838	4.0
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	334,566	5.5	2,955,509	3,066,092	3.7
October	342,127	340,755	-0.4	3,297,636	3,406,847	3.3
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	6,032	8.5	56,822	51,578	-9.2
October	6,746	6,273	-7.0	63,568	57,851	-9.0
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	135,346	1.3	1,373,009	1,439,267	4.8
October	148,424	143,028	-3.6	1,521,433	1,582,295	4.0
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	125,797	4.9	1,424,754	1,325,015	-7.0
October	118,358	139,621	18.0	1,543,112	1,464,636	-5.1
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	42,941	8.1	357,912	458,002	28.0
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	75,864	-4.3	726,999	720,823	-0.8
October	77,108	84,085	9.0	804,107	804,908	0.1
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	94,699	11.3	792,098	819,181	3.4
October	83,126	89,342	7.5	875,224	908,523	3.8
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	35,343	-5.6	368,728	333,185	-9.6
October	42,076	36,269	-13.8	410,804	369,454	-10.1
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	27,410	0.1	239,523	242,918	1.4
October	27,130	26,650	-1.8	266,653	269,568	1.1
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	30,221	-5.3	276,722	276,247	-0.2
October	29,543	30,316	2.6	306,265	306,563	0.1
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	109,965	2.9	955,451	989,938	3.6
October	119,063	125,553	5.5	1,074,514	1,115,491	3.8
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	62,326	-4.7	602,783	610,770	1.3
October	63,356	60,099	-5.1	666,139	670,869	0.7
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	34,645	-2.2	347,596	340,809	-2.0
October	31,918	31,360	-1.7	379,514	372,169	-1.9
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	3,229	-5.2	32,063	29,613	-7.6
October	2,927	2,560	-12.5	34,990	32,173	-8.1
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	436,390	-2.0	3,639,091	3,599,782	-1.1
October	387,836	380,952	-1.8	4,026,927	3,980,734	-1.1
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	5,213	-8.1	54,672	51,080	-6.6
October	5,543	5,055	-8.8	60,215	56,135	-6.8
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:
October 2015 and 2016**

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	198,373	203,198	211,462	6.6	4.1
Idaho	80,119	81,737	81,874	2.2	0.2
Illinois	6,475	6,703	6,664	2.9	-0.6
Iowa	22,572	19,053	23,940	6.1	25.6
Minnesota	55,301	52,898	53,476	-3.3	1.1
New Jersey	5,654	5,498	5,465	-3.3	-0.6
New Mexico	63,453	59,907	62,991	-0.7	5.1
New York	73,960	71,001	73,948	-	4.2
Ohio	18,795	17,145	18,004	-4.2	5.0
Pennsylvania	42,250	31,896	35,232	-16.6	10.5
South Dakota	24,663	21,337	25,896	5.0	21.4
Vermont	11,527	10,434	11,709	1.6	12.2
Wisconsin	267,153	261,855	269,564	0.9	2.9
Other States ¹	156,984	142,650	152,332	-3.0	6.8
United States	1,027,279	985,312	1,032,557	0.5	4.8
Atlantic	140,393	125,103	133,394	-5.0	6.6
Central	456,465	439,871	463,668	1.6	5.4
West	430,421	420,338	435,495	1.2	3.6

- 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: October 2015 and 2016

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,380	53,190	53,792	0.8	1.1
Idaho	52,433	49,184	50,405	-3.9	2.5
Iowa	14,570	13,257	15,665	7.5	18.2
New York	10,830	10,512	10,373	-4.2	-1.3
Oregon	16,885	16,397	16,746	-0.8	2.1
Pennsylvania	87	78	85	-2.3	9.0
Wisconsin	77,284	70,953	76,400	-1.1	7.7
Other States ¹	167,047	162,856	174,503	4.5	7.2
United States	392,516	376,427	397,969	1.4	5.7
Atlantic	24,578	23,030	24,086	-2.0	4.6
Central	188,235	177,772	193,128	2.6	8.6
West	179,703	175,625	180,755	0.6	2.9

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

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

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	27,013	27,937	27,848	3.1	-0.3
Idaho	40,904	36,558	39,836	-2.6	9.0
Iowa	9,383	8,323	8,301	-11.5	-0.3
Minnesota	42,088	41,173	40,189	-4.5	-2.4
Vermont	7,525	7,443	8,072	7.3	8.5
Wisconsin	50,059	47,426	51,200	2.3	8.0
Other States ¹	101,859	99,681	104,068	2.2	4.4
United States	278,831	268,541	279,514	0.2	4.1
Atlantic	23,551	22,053	23,291	-1.1	5.6
Central	129,619	122,652	128,353	-1.0	4.6
West	125,661	123,836	127,870	1.8	3.3

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: October 2015 and 2016

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	127,078	127,674	137,409	8.1	7.6
Idaho	20,858	26,134	24,320	16.6	-6.9
New York	31,612	31,003	31,829	0.7	2.7
Pennsylvania	19,894	19,628	19,838	-0.3	1.1
Wisconsin	132,564	138,841	136,601	3.0	-1.6
Other States ¹	105,756	84,997	92,336	-12.7	8.6
United States	437,762	428,277	442,333	1.0	3.3
Atlantic	56,767	55,658	56,908	0.2	2.2
Central	174,273	174,339	178,048	2.2	2.1
West	206,722	198,280	207,377	0.3	4.6

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

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

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	115,675	118,325	125,087	8.1	5.7
Idaho	19,642	24,722	22,700	15.6	-8.2
New York	16,496	15,712	16,057	-2.7	2.2
Pennsylvania	16,535	16,902	16,806	1.6	-0.6
Wisconsin	90,355	92,458	89,100	-1.4	-3.6
Other States ¹	83,424	66,447	71,005	-14.9	6.9
United States	342,127	334,566	340,755	-0.4	1.8
Atlantic	35,153	35,251	35,185	0.1	-0.2
Central	114,882	113,782	113,893	-0.9	0.1
West	192,092	185,533	191,677	-0.2	3.3

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

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

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	41,750	39,971	42,246	1.2	5.7
New York	3,295	2,385	2,831	-14.1	18.7
Pennsylvania	7,746	7,010	7,539	-2.7	7.5
Other States ¹	95,633	85,980	90,412	-5.5	5.2
United States	148,424	135,346	143,028	-3.6	5.7
Atlantic	15,699	14,116	14,260	-9.2	1.0
Central	60,160	55,750	58,958	-2.0	5.8
West	72,565	65,480	69,810	-3.8	6.6

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: October 2015 and 2016

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	45,530	41,801	43,891	-3.6	5.0
Pennsylvania	13,494	11,658	16,572	22.8	42.2
Other States ¹	59,334	72,338	79,158	33.4	9.4
United States	118,358	125,797	139,621	18.0	11.0
Atlantic	21,796	19,250	26,672	22.4	38.6
Central	23,993	24,814	29,938	24.8	20.6
West	72,569	81,733	83,011	14.4	1.6

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: October 2015 and 2016

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,294	13,151	12,863	13.9	-2.2
Wisconsin	24,876	24,504	25,925	4.2	5.8
Other States ¹	39,269	37,153	43,086	9.7	16.0
United States	75,439	74,808	81,874	8.5	9.4
Atlantic	21,383	20,870	21,041	-1.6	0.8
Central	36,593	35,473	36,570	-0.1	3.1
West	17,463	18,465	24,263	38.9	31.4

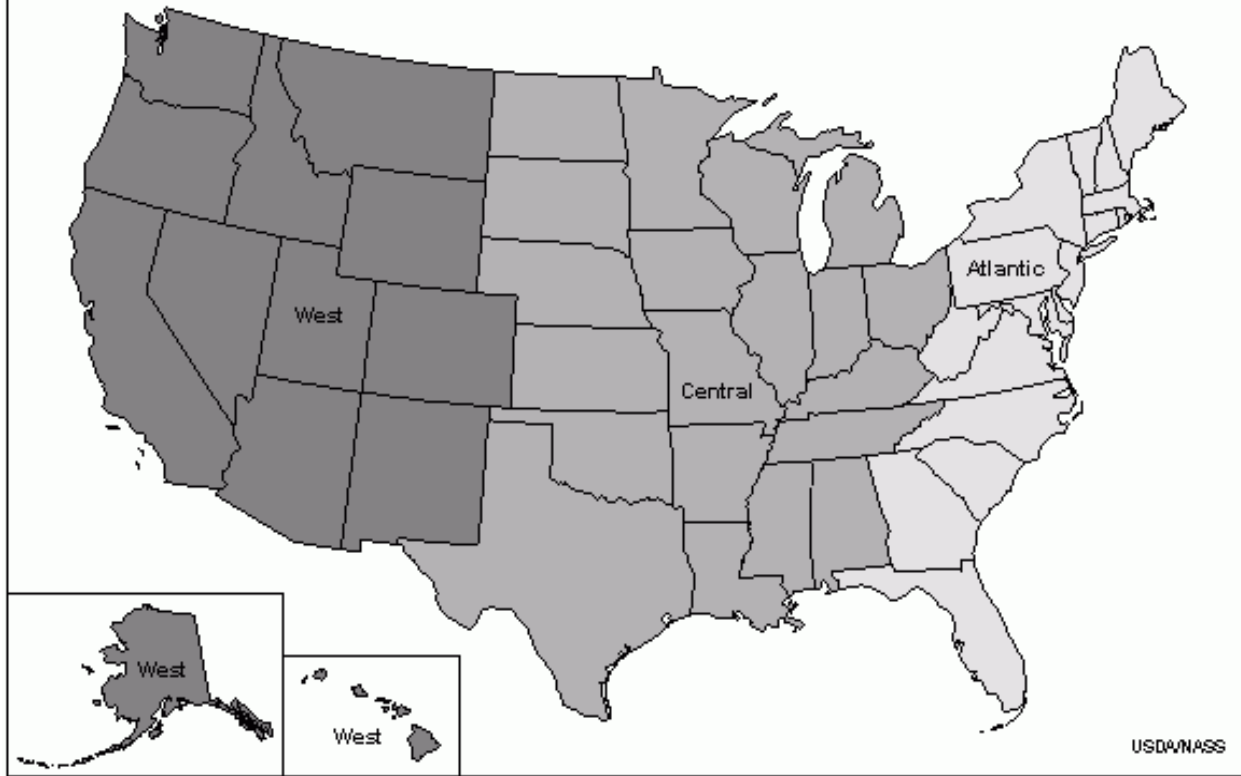
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	October 2015	September 2016	October 2016	Change from	
				October 2015	September 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	11,200	9,124	8,037	-28.2	-11.9
Connecticut	1,261	1,086	960	-23.9	-11.6
Missouri	2,277	1,915	2,110	-7.3	10.2
Ohio	1,899	1,997	2,258	18.9	13.1
Oregon	1,011	1,106	1,245	23.1	12.6
Pennsylvania	3,274	2,872	3,649	11.5	27.1
Wisconsin	1,236	1,768	1,141	-7.7	-35.5
Other States ¹	41,198	42,458	40,699	-1.2	-4.1
United States	63,356	62,326	60,099	-5.1	-3.6
Atlantic	14,952	13,043	14,356	-4.0	10.1
Central	31,731	34,444	32,873	3.6	-4.6
West	16,673	14,839	12,870	-22.8	-13.3

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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David Colwell – Sheep and Goats	(202) 720-8784
Donnie Fike – Dairy Products	(202) 690-3236
Michael Klamm – Cattle, Cattle on Feed	(202) 720-3040
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Seth Riggins – Hogs and Pigs	(202) 720-3106

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