



Dairy Products

ISSN: 1949-0399

Released January 5, 2017, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

November 2016 Highlights

Total cheese output (excluding cottage cheese) was 1.01 billion pounds, 2.7 percent above November 2015 but 2.6 percent below October 2016.

Italian type cheese production totaled 436 million pounds, 2.6 percent above November 2015 but 2.3 percent below October 2016.

American type cheese production totaled 395 million pounds, 3.9 percent above November 2015 but 1.0 percent below October 2016.

Butter production was 144 million pounds, 5.7 percent below November 2015 but 1.5 percent above October 2016.

Dry milk powders (comparisons with November 2015)

Nonfat dry milk, human - 127 million pounds, down 0.9 percent.

Skim milk powders - 48.1 million pounds, up 7.0 percent.

Whey products (comparisons with November 2015)

Dry whey, total - 73.5 million pounds, down 6.9 percent.

Lactose, human and animal - 87.2 million pounds, up 5.7 percent.

Whey protein concentrate, total - 37.6 million pounds, down 8.9 percent.

Frozen products (comparisons with November 2015)

Ice cream, regular (hard) - 52.0 million gallons, down 5.3 percent.

Ice cream, lowfat (total) - 27.8 million gallons, up 3.6 percent.

Sherbet (hard) - 1.97 million gallons, down 22.1 percent.

Frozen yogurt (total) - 4.56 million gallons, up 1.5 percent.

Contents

Dairy Products Production by Product – United States: November 2015 and 2016.....	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: November 2015 and 2016.....	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: November 2015 and 2016	5
Dairy Products Production by Product and Month – United States: 2015 and 2016	6
Total Cheese Production Excluding Cottage Cheese – States and United States: November 2015 and 2016.....	13
American Cheese Production – States and United States: November 2015 and 2016.....	14
Cheddar Cheese Production – States and United States: November 2015 and 2016.....	14
Total Italian Cheese Production – States and United States: November 2015 and 2016.....	15
Mozzarella Cheese Production – States and United States: November 2015 and 2016.....	15
Butter Production – States and United States: November 2015 and 2016.....	16
Nonfat Dry Milk (Human) Production – States and United States: November 2015 and 2016.....	16
Dry Whey (Human) Production – States and United States: November 2015 and 2016.....	17
Ice Cream, Regular (Hard) Production – States and United States: November 2015 and 2016	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

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

Product	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	152,329	141,606	143,683	-5.7	1.5
Cheese					
American types ¹	380,090	398,746	394,843	3.9	-1.0
Cheddar	266,026	280,176	281,648	5.9	0.5
Other American types	114,064	118,570	113,195	-0.8	-4.5
Blue and Gorgonzola	7,842	7,538	7,573	-3.4	0.5
Brick and Muenster	16,051	16,411	15,186	-5.4	-7.5
Cream and Neufchatel	81,217	88,352	81,845	0.8	-7.4
Feta	7,572	11,572	7,951	5.0	-31.3
Gouda	5,739	6,636	5,308	-7.5	-20.0
Hispanic	21,142	22,361	21,832	3.3	-2.4
Italian types	425,075	445,974	435,925	2.6	-2.3
Mozzarella	333,437	344,404	338,808	1.6	-1.6
Parmesan	25,499	31,563	28,841	13.1	-8.6
Provolone	31,175	35,228	33,356	7.0	-5.3
Ricotta	24,101	23,340	23,503	-2.5	0.7
Romano	4,551	4,881	4,713	3.6	-3.4
Other Italian types	6,312	6,558	6,704	6.2	2.2
Swiss	25,153	26,005	25,958	3.2	-0.2
All other types	14,839	14,480	14,543	-2.0	0.4
Total cheese	984,720	1,038,075	1,010,964	2.7	-2.6
Cottage cheese, curd ²	30,026	32,875	31,012	3.3	-5.7
Cottage cheese, cream ³	24,212	26,651	25,605	5.8	-3.9
Cottage cheese, lowfat ⁴	26,652	29,870	27,951	4.9	-6.4
Sour cream	123,532	125,142	132,381	7.2	5.8
Yogurt, plain and flavored	347,738	381,021	326,436	-6.1	-14.3
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	54,953	59,783	52,022	-5.3	-13.0
Ice cream, lowfat, hard	12,281	14,882	12,303	0.2	-17.3
Ice cream, lowfat, soft	14,507	16,540	15,450	6.5	-6.6
Ice cream, lowfat, total	26,788	31,422	27,753	3.6	-11.7
Ice cream, nonfat, hard	390	593	517	32.6	-12.8
Sherbet, hard	2,531	2,517	1,971	-22.1	-21.7
Frozen yogurt, total	4,496	5,167	4,562	1.5	-11.7
Regular and lowfat, hard	1,560	1,613	1,578	1.2	-2.2
Nonfat, hard	406	486	454	11.8	-6.6
Other frozen dairy products	1,016	1,118	855	-15.8	-23.5
Water and juice ices	3,915	5,311	4,742	21.1	-10.7
Mix for frozen products					
Ice cream, regular, mix	31,502	35,045	31,107	-1.3	-11.2
Ice cream, lowfat, mix	13,946	17,737	15,727	12.8	-11.3
Ice cream, nonfat, mix	482	594	519	7.7	-12.6
Sherbet mix	1,591	1,673	1,330	-16.4	-20.5
Yogurt mix	2,431	3,190	2,754	13.3	-13.7

¹ Includes Cheddar, Colby, Monterey, and Jack.

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

³ Fat content 4 percent or more.

⁴ Fat content less than 4 percent.

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

Product	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,076	10,446	10,644	17.3	1.9
Dry whey products					
Dry whey, human	77,265	81,756	71,438	-7.5	-12.6
Dry whey, animal	1,747	2,211	2,100	20.2	-5.0
Dry whey, total	79,012	83,967	73,538	-6.9	-12.4
Reduced lactose and minerals					
Human	2,778	2,839	2,118	-23.8	-25.4
Animal	2,550	3,053	2,720	6.7	-10.9
Whey protein concentrate					
Human ²	41,062	35,951	37,365	-9.0	3.9
Animal ²	240	243	257	7.1	5.8
Total ²	41,302	36,194	37,622	-8.9	3.9
25.0-49.9 percent ³	16,110	14,183	16,076	-0.2	13.3
50.0-89.9 percent ³	25,192	22,011	21,546	-14.5	-2.1
Whey protein isolates ⁴	8,465	10,210	10,257	21.2	0.5
Lactose, human and animal	82,460	89,280	87,153	5.7	-2.4
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	56,011	59,654	60,602	8.2	1.6
Dry whey, animal	2,260	1,269	1,159	-48.7	-8.7
Dry whey, total	58,271	60,923	61,761	6.0	1.4
Reduced Lactose and minerals					
Human and animal ⁶	8,174	7,261	6,290	-23.0	-13.4
Whey protein concentrate					
Human ²	66,088	55,606	59,110	-10.6	6.3
Animal ²	978	668	478	-51.1	-28.4
Total ²	67,066	56,274	59,588	-11.2	5.9
25.0-49.9 percent ³	24,534	18,050	19,311	-21.3	7.0
50.0-89.9 percent ³	42,532	38,224	40,277	-5.3	5.4
Whey protein isolates ⁴	15,355	21,721	21,668	41.1	-0.2
Lactose, human and animal	101,863	104,225	101,216	-0.6	-2.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	14.5	13.4	13.2	-1.3	-0.2

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:
November 2015 and 2016**

Product	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	129,439	120,719	114,357	-11.7	-5.3
Dry milk products					
Dry buttermilk, total	7,941	8,405	9,760	22.9	16.1
Dry skim milk, animal	556	787	584	5.0	-25.8
Dry whole milk	6,016	6,887	6,736	12.0	-2.2
Milk protein concentrate, total ¹	8,875	11,250	12,645	42.5	12.4
Nonfat dry milk, human	127,928	140,792	126,769	-0.9	-10.0
Skim milk powder, total ²	44,940	41,475	48,101	7.0	16.0
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	11,371	17,711	20,079	76.6	13.4
Dry skim milk, animal	1,992	1,927	1,443	-27.6	-25.1
Dry whole milk	7,404	14,087	12,060	62.9	-14.4
Nonfat dry milk, human	198,812	224,577	215,767	8.5	-3.9
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	104,778	121,614	129,344	23.4	6.4

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	1,012,526	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	1,038,075	1.1	9,817,389	10,003,412	1.9
November	984,720	1,010,964	2.7	10,802,109	11,014,376	2.0
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	398,746	1.6	3,914,632	3,915,737	0.0
November	380,090	394,843	3.9	4,294,722	4,310,580	0.4
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	280,176	0.5	2,834,481	2,813,323	-0.7
November	266,026	281,648	5.9	3,100,507	3,094,971	-0.2
December	292,957			3,393,464		

See footnote(s) at end of table.

--continued

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	445,974	1.9	4,198,106	4,371,479	4.1
November	425,075	435,925	2.6	4,623,181	4,807,404	4.0
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	344,404	0.7	3,297,636	3,410,496	3.4
November	333,437	338,808	1.6	3,631,073	3,749,304	3.3
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	6,558	-2.8	63,568	58,136	-8.5
November	6,312	6,704	6.2	69,880	64,840	-7.2
December	6,435			76,315		

See footnote(s) at end of table.

--continued

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	141,606	-4.6	1,521,433	1,580,873	3.9
November	152,329	143,683	-5.7	1,673,762	1,724,556	3.0
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	140,792	19.0	1,543,112	1,465,807	-5.0
November	127,928	126,769	-0.9	1,671,040	1,592,576	-4.7
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	41,475	4.4	357,912	456,536	27.6
November	44,940	48,101	7.0	402,852	504,637	25.3
December	43,472			446,324		

See footnote(s) at end of table.

--continued

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	83,967	8.9	804,107	804,790	0.1
November	79,012	73,538	-6.9	883,119	878,328	-0.5
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	89,280	7.4	875,224	908,461	3.8
November	82,460	87,153	5.7	957,684	995,614	4.0
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	36,194	-14.0	410,804	369,379	-10.1
November	41,302	37,622	-8.9	452,106	407,001	-10.0
December	42,299			494,405		

See footnote(s) at end of table.

--continued

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	26,607	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	26,651	-1.8	266,653	269,569	1.1
November	24,212	25,605	5.8	290,865	295,174	1.5
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	29,870	1.1	306,265	306,117	
November	26,652	27,951	4.9	332,917	334,068	0.3
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	125,142	5.1	1,074,514	1,115,080	3.8
November	123,532	132,381	7.2	1,198,046	1,247,461	4.1
December	118,408			1,316,454		

See footnote(s) at end of table.

--continued

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	59,783	-5.6	666,139	670,553	0.7
November	54,953	52,022	-5.3	721,092	722,575	0.2
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	31,422	-1.6	379,514	372,231	-1.9
November	26,788	27,753	3.6	406,302	399,984	-1.6
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	2,517	-14.0	34,990	32,130	-8.2
November	2,531	1,971	-22.1	37,521	34,101	-9.1
December	2,178			39,699		

See footnote(s) at end of table.

--continued

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	381,021	-1.8	4,026,927	3,980,803	-1.1
November	347,738	326,436	-6.1	4,374,665	4,307,239	-1.5
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	5,167	-6.8	60,215	56,247	-6.6
November	4,496	4,562	1.5	64,711	60,809	-6.0
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:
November 2015 and 2016**

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	199,722	212,724	209,352	4.8	-1.6
Idaho	76,406	83,877	74,257	-2.8	-11.5
Illinois	6,481	6,664	6,973	7.6	4.6
Iowa	20,170	23,942	21,591	7.0	-9.8
Minnesota	55,817	53,476	53,801	-3.6	0.6
New Jersey	5,027	5,465	4,854	-3.4	-11.2
New Mexico	65,068	62,991	65,488	0.6	4.0
New York	69,797	74,627	69,838	0.1	-6.4
Ohio	17,257	18,004	18,110	4.9	0.6
Pennsylvania	31,725	35,302	35,119	10.7	-0.5
South Dakota	23,307	25,131	24,585	5.5	-2.2
Vermont	11,656	11,740	12,175	4.5	3.7
Wisconsin	255,813	271,805	265,519	3.8	-2.3
Other States ¹	146,474	152,327	149,302	1.9	-2.0
United States	984,720	1,038,075	1,010,964	2.7	-2.6
Atlantic	124,894	134,169	129,111	3.4	-3.8
Central	441,152	465,146	455,522	3.3	-2.1
West	418,674	438,760	426,331	1.8	-2.8

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

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

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	51,940	53,792	53,214	2.5	-1.1
Idaho	48,978	50,406	50,388	2.9	-
Iowa	12,134	15,667	14,608	20.4	-6.8
New York	10,929	10,843	10,851	-0.7	0.1
Oregon	16,915	16,746	16,297	-3.7	-2.7
Pennsylvania	77	85	74	-3.9	-12.9
Wisconsin	73,916	76,681	75,000	1.5	-2.2
Other States ¹	165,201	174,526	174,411	5.6	-0.1
United States	380,090	398,746	394,843	3.9	-1.0
Atlantic	24,136	24,578	24,885	3.1	1.2
Central	184,084	193,412	190,537	3.5	-1.5
West	171,870	180,756	179,421	4.4	-0.7

- Represents zero.

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

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

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	28,485	27,848	28,236	-0.9	1.4
Idaho	38,479	39,837	39,083	1.6	-1.9
Iowa	6,393	8,303	7,925	24.0	-4.6
Minnesota	43,682	40,189	41,577	-4.8	3.5
Vermont	7,182	7,872	8,199	14.2	4.2
Wisconsin	48,812	51,562	50,000	2.4	-3.0
Other States ¹	92,993	104,565	106,628	14.7	2.0
United States	266,026	280,176	281,648	5.9	0.5
Atlantic	23,055	23,587	24,283	5.3	3.0
Central	122,278	128,718	131,160	7.3	1.9
West	120,693	127,871	126,205	4.6	-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: November 2015 and 2016

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	129,226	137,409	135,369	4.8	-1.5
Idaho	21,155	26,321	17,220	-18.6	-34.6
New York	31,424	32,064	31,423	-	-2.0
Pennsylvania	18,751	19,838	20,705	10.4	4.4
Wisconsin	127,000	138,773	136,955	7.8	-1.3
Other States ¹	97,519	91,569	94,253	-3.3	2.9
United States	425,075	445,974	435,925	2.6	-2.3
Atlantic	55,277	57,142	57,118	3.3	-
Central	168,082	179,454	176,865	5.2	-1.4
West	201,716	209,378	201,942	0.1	-3.6

- Represents zero.

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

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

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	118,269	125,087	125,234	5.9	0.1
Idaho	19,909	24,700	16,293	-18.2	-34.0
New York	15,590	16,070	15,590	-	-3.0
Pennsylvania	15,532	16,806	17,730	14.2	5.5
Wisconsin	86,953	90,736	88,900	2.2	-2.0
Other States ¹	77,184	71,005	75,061	-2.8	5.7
United States	333,437	344,404	338,808	1.6	-1.6
Atlantic	33,214	35,198	35,639	7.3	1.3
Central	112,363	115,529	114,126	1.6	-1.2
West	187,860	193,677	189,043	0.6	-2.4

- Represents zero.

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

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

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	45,514	42,247	42,091	-7.5	-0.4
New York	2,006	2,222	2,013	0.3	-9.4
Pennsylvania	7,871	7,539	8,060	2.4	6.9
Other States ¹	96,938	89,598	91,519	-5.6	2.1
United States	152,329	141,606	143,683	-5.7	1.5
Atlantic	13,984	13,651	14,638	4.7	7.2
Central	61,564	58,144	59,802	-2.9	2.9
West	76,781	69,811	69,243	-9.8	-0.8

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: November 2015 and 2016

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	47,909	43,891	38,452	-19.7	-12.4
Pennsylvania	12,563	16,572	15,156	20.6	-8.5
Other States ¹	67,456	80,329	73,161	8.5	-8.9
United States	127,928	140,792	126,769	-0.9	-10.0
Atlantic	20,719	28,432	24,338	17.5	-14.4
Central	26,693	29,349	30,268	13.4	3.1
West	80,516	83,011	72,163	-10.4	-13.1

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: November 2015 and 2016

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,366	12,745	12,719	2.9	-0.2
Wisconsin	25,911	25,925	25,609	-1.2	-1.2
Other States ¹	38,988	43,086	33,110	-15.1	-23.2
United States	77,265	81,756	71,438	-7.5	-12.6
Atlantic	20,884	20,923	21,169	1.4	1.2
Central	33,689	36,570	36,038	7.0	-1.5
West	22,692	24,263	14,231	-37.3	-41.3

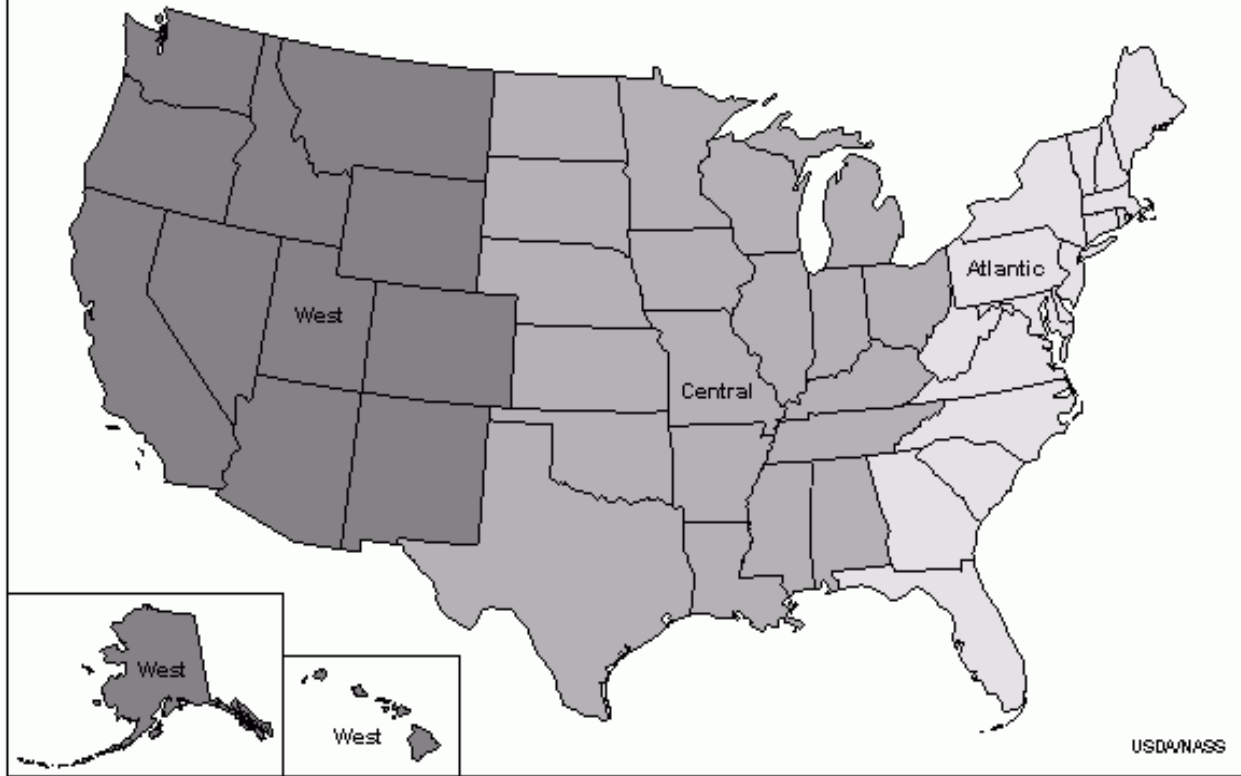
¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State	November 2015	October 2016	November 2016	Change from	
				November 2015	October 2016
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	8,272	8,037	6,705	-18.9	-16.6
Connecticut	1,046	960	864	-17.4	-10.0
Missouri	1,370	2,110	1,211	-11.6	-42.6
Ohio	1,656	2,258	2,035	22.9	-9.9
Oregon	721	1,245	880	22.1	-29.3
Pennsylvania	3,485	3,649	3,570	2.4	-2.2
Wisconsin	1,112	1,141	1,217	9.4	6.7
Other States ¹	37,291	40,383	35,540	-4.7	-12.0
United States	54,953	59,783	52,022	-5.3	-13.0
Atlantic	13,992	14,252	13,562	-3.1	-4.8
Central	28,023	32,661	26,806	-4.3	-17.9
West	12,938	12,870	11,654	-9.9	-9.4

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.

Dan Kerestes, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
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

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.