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October 2018 Highlights

Total cheese output (excluding cottage cheese) was 1.12 billion pounds, 3.0 percent above October 2017 and 6.1 percent above September 2018.

Italian type cheese production totaled 471 million pounds, 3.5 percent above October 2017 and 4.4 percent above September 2018.

American type cheese production totaled 433 million pounds, 0.7 percent above October 2017 and 3.9 percent above September 2018.

Butter production was 144 million pounds, 0.3 percent below October 2017 but 7.0 percent above September 2018.

Dry milk products (comparisons in percentage with October 2017)

Nonfat dry milk, human - 125 million pounds, down 13.6 percent.

Skim milk powder - 37.5 million pounds, up 44.5 percent.

Whey products (comparisons in percentage with October 2017)

Dry whey, total - 87.2 million pounds, up 8.0 percent.

Lactose, human and animal - 85.4 million pounds, down 8.3 percent.

Whey protein concentrate, total - 41.1 million pounds, up 0.9 percent.

Frozen products (comparisons in percentage with October 2017)

Ice cream, regular (hard) - 60.5 million gallons, up 6.9 percent.

Ice cream, lowfat (total) - 32.2 million gallons, down 6.7 percent.

Sherbet (hard) - 2.85 million gallons, up 12.2 percent.

Frozen yogurt (total) - 3.86 million gallons, down 7.1 percent.

Contents

Dairy Products Production by Product – United States: October 2017 and 2018.....	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: October 2017 and 2018.....	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: October 2017 and 2018.....	5
Dairy Products Production by Product and Month – United States: 2017 and 2018	6
Total Cheese Production Excluding Cottage Cheese – States and United States: October 2017 and 2018.....	13
American Cheese Production – States and United States: October 2017 and 2018.....	14
Cheddar Cheese Production – States and United States: October 2017 and 2018.....	14
Total Italian Cheese Production – States and United States: October 2017 and 2018.....	15
Mozzarella Cheese Production – States and United States: October 2017 and 2018.....	15
Butter Production – States and United States: October 2017 and 2018.....	16
Nonfat Dry Milk (Human) Production – States and United States: October 2017 and 2018.....	16
Dry Whey (Human) Production – States and United States: October 2017 and 2018.....	17
Ice Cream, Regular (Hard) Production – States and United States: October 2017 and 2018	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

Dairy Products Production by Product – United States: October 2017 and 2018

Product	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	144,671	134,800	144,253	-0.3	7.0
Cheese					
American types ¹	430,485	417,313	433,484	0.7	3.9
Cheddar	307,833	290,846	303,363	-1.5	4.3
Other American types	122,652	126,467	130,121	6.1	2.9
Blue and Gorgonzola	7,896	7,951	7,980	1.1	0.4
Brick and Muenster	17,465	15,476	17,642	1.0	14.0
Cream and Neufchatel	87,112	80,137	97,758	12.2	22.0
Feta	12,562	10,242	11,703	-6.8	14.3
Gouda	5,302	5,248	6,394	20.6	21.8
Hispanic	26,853	25,904	29,615	10.3	14.3
Italian types	454,641	450,871	470,638	3.5	4.4
Mozzarella	347,688	358,006	369,595	6.3	3.2
Parmesan	37,766	27,672	33,120	-12.3	19.7
Provolone	34,438	33,603	33,607	-2.4	-
Ricotta	23,449	20,993	24,071	2.7	14.7
Romano	5,029	3,840	3,956	-21.3	3.0
Other Italian types	6,271	6,757	6,289	0.3	-6.9
Swiss	27,338	26,944	27,867	1.9	3.4
All other types	17,211	14,384	15,923	-7.5	10.7
Total cheese ²	1,086,865	1,054,470	1,119,004	3.0	6.1
Cottage cheese, curd ³	33,444	32,478	32,442	-3.0	-0.1
Cottage cheese, cream ⁴	28,829	29,013	29,781	3.3	2.6
Cottage cheese, lowfat ⁵	29,205	27,266	28,185	-3.5	3.4
Sour cream	126,023	108,381	127,818	1.4	17.9
Yogurt, plain and flavored	368,558	369,615	369,021	0.1	-0.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	56,616	59,019	60,526	6.9	2.6
Ice cream, lowfat, hard	15,582	18,468	16,893	8.4	-8.5
Ice cream, lowfat, soft	18,984	16,104	15,344	-19.2	-4.7
Ice cream, lowfat, total ⁶	34,566	34,572	32,237	-6.7	-6.8
Ice cream, nonfat, hard	560	589	827	47.7	40.4
Sherbet, hard	2,542	3,188	2,853	12.2	-10.5
Frozen yogurt, total	4,152	4,403	3,858	-7.1	-12.4
Regular and lowfat, hard	1,326	1,210	1,245	-6.1	2.9
Nonfat, hard	473	575	260	-45.0	-54.8
Other frozen dairy products	2,001	2,079	2,001	-	-3.8
Water and juice ices	4,374	5,088	4,362	-0.3	-14.3
Mix for frozen products					
Ice cream, regular, mix	34,742	35,022	35,273	1.5	0.7
Ice cream, lowfat, mix ⁷	17,589	19,363	18,079	2.8	-6.6
Ice cream, nonfat, mix	478	423	612	28.0	44.7
Sherbet mix	1,714	1,976	2,391	39.5	21.0
Yogurt mix	2,243	2,287	2,116	-5.7	-7.5

- Represents zero.

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
October 2017 and 2018**

Product	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,222	6,076	6,535	-36.1	7.6
Dry whey products					
Dry whey, human	79,271	70,015	85,549	7.9	22.2
Dry whey, animal	1,479	1,213	1,645	11.2	35.6
Dry whey, total	80,750	71,228	87,194	8.0	22.4
Reduced lactose and minerals					
Human	1,623	1,456	1,380	-15.0	-5.2
Animal	2,950	2,690	2,946	-0.1	9.5
Whey protein concentrate					
Human ²	40,054	41,055	40,283	0.6	-1.9
Animal ²	742	965	863	16.3	-10.6
Total ²	40,796	42,020	41,146	0.9	-2.1
25.0-49.9 percent ³	15,551	15,757	16,173	4.0	2.6
50.0-89.9 percent ³	25,245	26,263	24,973	-1.1	-4.9
Whey protein isolates ⁴	9,697	10,242	10,799	11.4	5.4
Lactose, human and animal	93,098	88,157	85,378	-8.3	-3.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	92,316	68,174	72,450	-21.5	6.3
Dry whey, animal	1,607	1,637	1,686	4.9	3.0
Dry whey, total	93,923	69,811	74,136	-21.1	6.2
Reduced Lactose and minerals					
Human and animal ⁶	6,079	3,808	3,828	-37.0	0.5
Whey protein concentrate					
Human ²	75,622	57,340	57,022	-24.6	-0.6
Animal ²	914	905	991	8.4	9.5
Total ²	76,536	58,245	58,013	-24.2	-0.4
25.0-49.9 percent ³	23,803	17,479	19,533	-17.9	11.8
50.0-89.9 percent ³	52,733	40,766	38,480	-27.0	-5.6
Whey protein isolates ⁴	28,585	25,915	25,096	-12.2	-3.2
Lactose, human and animal	139,494	83,497	91,711	-34.3	9.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	18.2	19.1	22.7	4.5	3.6

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 2017 and 2018**

Product	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	119,612	123,684	117,983	-1.4	-4.6
Dry milk products					
Dry buttermilk, total	9,512	8,119	9,367	-1.5	15.4
Dry skim milk, animal	1,200	835	728	-39.3	-12.8
Dry whole milk	10,462	5,779	5,514	-47.3	-4.6
Milk protein concentrate, total ¹	7,420	9,873	8,048	8.5	-18.5
Nonfat dry milk, human	145,008	108,826	125,290	-13.6	15.1
Skim milk powder, total ²	25,965	46,592	37,530	44.5	-19.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	18,435	12,194	12,844	-30.3	5.3
Dry skim milk, animal	2,308	3,606	3,727	61.5	3.4
Dry whole milk	22,070	32,589	18,637	-15.6	-42.8
Nonfat dry milk, human	316,826	262,320	252,935	-20.2	-3.6
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	161,726	117,221	118,395	-26.8	1.0

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: 2017 and 2018

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,064,232	1,096,520	3.0	1,064,232	1,096,520	3.0
February	957,650	985,969	3.0	2,021,882	2,082,489	3.0
March	1,071,819	1,108,389	3.4	3,093,701	3,190,878	3.1
April	1,057,848	1,073,438	1.5	4,151,549	4,264,316	2.7
May	1,076,171	1,084,611	0.8	5,227,720	5,348,927	2.3
June	1,045,875	1,062,520	1.6	6,273,595	6,411,447	2.2
July	1,051,675	1,082,772	3.0	7,325,270	7,494,219	2.3
August	1,046,041	1,078,404	3.1	8,371,311	8,572,623	2.4
September	1,024,757	1,054,470	2.9	9,396,068	9,627,093	2.5
October	1,086,865	1,119,004	3.0	10,482,933	10,746,097	2.5
November	1,070,668			11,553,601		
December	1,105,490			12,659,091		
Total American cheese types ²						
January	434,627	433,670	-0.2	434,627	433,670	-0.2
February	390,314	397,364	1.8	824,941	831,034	0.7
March	429,558	443,491	3.2	1,254,499	1,274,525	1.6
April	434,657	443,257	2.0	1,689,156	1,717,782	1.7
May	443,083	443,503	0.1	2,132,239	2,161,285	1.4
June	419,260	429,895	2.5	2,551,499	2,591,180	1.6
July	414,495	440,653	6.3	2,965,994	3,031,833	2.2
August	414,280	426,427	2.9	3,380,274	3,458,260	2.3
September	403,544	417,313	3.4	3,783,818	3,875,573	2.4
October	430,485	433,484	0.7	4,214,303	4,309,057	2.2
November	413,714			4,628,017		
December	443,974			5,071,991		
Cheddar cheese						
January	327,328	318,254	-2.8	327,328	318,254	-2.8
February	291,508	293,255	0.6	618,836	611,509	-1.2
March	323,442	321,144	-0.7	942,278	932,653	-1.0
April	329,671	318,849	-3.3	1,271,949	1,251,502	-1.6
May	327,456	319,684	-2.4	1,599,405	1,571,186	-1.8
June	302,090	313,351	3.7	1,901,495	1,884,537	-0.9
July	298,285	326,370	9.4	2,199,780	2,210,907	0.5
August	298,306	303,563	1.8	2,498,086	2,514,470	0.7
September	291,755	290,846	-0.3	2,789,841	2,805,316	0.6
October	307,833	303,363	-1.5	3,097,674	3,108,679	0.4
November	296,598			3,394,272		
December	327,062			3,721,334		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	454,575	474,348	4.3	454,575	474,348	4.3
February	406,179	426,472	5.0	860,754	900,820	4.7
March	470,053	481,404	2.4	1,330,807	1,382,224	3.9
April	447,937	455,198	1.6	1,778,744	1,837,422	3.3
May	452,332	457,691	1.2	2,231,076	2,295,113	2.9
June	450,027	449,219	-0.2	2,681,103	2,744,332	2.4
July	451,922	463,547	2.6	3,133,025	3,207,879	2.4
August	437,003	455,993	4.3	3,570,028	3,663,872	2.6
September	432,619	450,871	4.2	4,002,647	4,114,743	2.8
October	454,641	470,638	3.5	4,457,288	4,585,381	2.9
November	456,821			4,914,109		
December	469,755			5,383,864		
Mozzarella						
January	352,768	366,988	4.0	352,768	366,988	4.0
February	314,602	327,413	4.1	667,370	694,401	4.1
March	361,368	371,264	2.7	1,028,738	1,065,665	3.6
April	347,399	353,725	1.8	1,376,137	1,419,390	3.1
May	350,530	357,591	2.0	1,726,667	1,776,981	2.9
June	349,363	353,869	1.3	2,076,030	2,130,850	2.6
July	352,014	367,215	4.3	2,428,044	2,498,065	2.9
August	335,867	358,177	6.6	2,763,911	2,856,242	3.3
September	332,180	358,006	7.8	3,096,091	3,214,248	3.8
October	347,688	369,595	6.3	3,443,779	3,583,843	4.1
November	351,511			3,795,290		
December	365,309			4,160,599		
Other Italian cheese types						
January	6,600	5,549	-15.9	6,600	5,549	-15.9
February	6,498	5,680	-12.6	13,098	11,229	-14.3
March	7,614	6,460	-15.2	20,712	17,689	-14.6
April	6,666	5,869	-12.0	27,378	23,558	-14.0
May	6,556	6,584	0.4	33,934	30,142	-11.2
June	7,009	6,423	-8.4	40,943	36,565	-10.7
July	6,055	6,041	-0.2	46,998	42,606	-9.3
August	5,634	6,171	9.5	52,632	48,777	-7.3
September	6,747	6,757	0.1	59,379	55,534	-6.5
October	6,271	6,289	0.3	65,650	61,823	-5.8
November	7,247			72,897		
December	6,351			79,248		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	178,060	182,088	2.3	178,060	182,088	2.3
February	161,013	170,116	5.7	339,073	352,204	3.9
March	177,021	182,046	2.8	516,094	534,250	3.5
April	161,956	175,297	8.2	678,050	709,547	4.6
May	163,397	168,109	2.9	841,447	877,656	4.3
June	139,200	142,540	2.4	980,647	1,020,196	4.0
July	135,625	134,561	-0.8	1,116,272	1,154,757	3.4
August	131,152	133,982	2.2	1,247,424	1,288,739	3.3
September	134,552	134,800	0.2	1,381,976	1,423,539	3.0
October	144,671	144,253	-0.3	1,526,647	1,567,792	2.7
November	149,721			1,676,368		
December	171,105			1,847,473		
Nonfat dry milk, human						
January	153,848	160,301	4.2	153,848	160,301	4.2
February	143,231	157,833	10.2	297,079	318,134	7.1
March	160,916	178,694	11.0	457,995	496,828	8.5
April	172,821	163,859	-5.2	630,816	660,687	4.7
May	167,910	159,893	-4.8	798,726	820,580	2.7
June	162,814	146,911	-9.8	961,540	967,491	0.6
July	151,825	144,296	-5.0	1,113,365	1,111,787	-0.1
August	136,753	122,805	-10.2	1,250,118	1,234,592	-1.2
September	134,572	108,826	-19.1	1,384,690	1,343,418	-3.0
October	145,008	125,290	-13.6	1,529,698	1,468,708	-4.0
November	141,440			1,671,138		
December	164,014			1,835,152		
Skim milk powder, total ³						
January	55,590	45,753	-17.7	55,590	45,753	-17.7
February	41,391	37,666	-9.0	96,981	83,419	-14.0
March	52,693	42,055	-20.2	149,674	125,474	-16.2
April	50,206	49,446	-1.5	199,880	174,920	-12.5
May	51,012	50,365	-1.3	250,892	225,285	-10.2
June	39,515	58,947	49.2	290,407	284,232	-2.1
July	47,842	47,488	-0.7	338,249	331,720	-1.9
August	44,813	47,560	6.1	383,062	379,280	-1.0
September	29,102	46,592	60.1	412,164	425,872	3.3
October	25,965	37,530	44.5	438,129	463,402	5.8
November	41,609			479,738		
December	49,895			529,633		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	82,255	90,319	9.8	82,255	90,319	9.8
February	77,895	89,599	15.0	160,150	179,918	12.3
March	86,689	90,653	4.6	246,839	270,571	9.6
April	84,640	85,149	0.6	331,479	355,720	7.3
May	82,950	85,521	3.1	414,429	441,241	6.5
June	88,064	87,803	-0.3	502,493	529,044	5.3
July	100,402	92,595	-7.8	602,895	621,639	3.1
August	94,276	78,954	-16.3	697,171	700,593	0.5
September	91,302	71,228	-22.0	788,473	771,821	-2.1
October	80,750	87,194	8.0	869,223	859,015	-1.2
November	81,657			950,880		
December	86,024			1,036,904		
Lactose, human and animal						
January	92,320	94,834	2.7	92,320	94,834	2.7
February	84,386	86,294	2.3	176,706	181,128	2.5
March	95,317	99,650	4.5	272,023	280,778	3.2
April	96,265	94,011	-2.3	368,288	374,789	1.8
May	93,634	92,544	-1.2	461,922	467,333	1.2
June	96,082	91,796	-4.5	558,004	559,129	0.2
July	98,117	97,044	-1.1	656,121	656,173	-
August	96,679	94,380	-2.4	752,800	750,553	-0.3
September	94,903	88,157	-7.1	847,703	838,710	-1.1
October	93,098	85,378	-8.3	940,801	924,088	-1.8
November	86,105			1,026,906		
December	97,251			1,124,157		
Whey protein concentrate, total						
January	40,329	43,461	7.8	40,329	43,461	7.8
February	36,110	39,391	9.1	76,439	82,852	8.4
March	42,354	44,932	6.1	118,793	127,784	7.6
April	42,062	40,926	-2.7	160,855	168,710	4.9
May	41,612	41,870	0.6	202,467	210,580	4.0
June	40,297	39,862	-1.1	242,764	250,442	3.2
July	41,192	39,798	-3.4	283,956	290,240	2.2
August	38,339	41,767	8.9	322,295	332,007	3.0
September	38,720	42,020	8.5	361,015	374,027	3.6
October	40,796	41,146	0.9	401,811	415,173	3.3
November	40,551			442,362		
December	41,914			484,276		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	26,122	25,546	-2.2	26,122	25,546	-2.2
February	25,698	26,932	4.8	51,820	52,478	1.3
March	29,010	32,696	12.7	80,830	85,174	5.4
April	25,942	29,111	12.2	106,772	114,285	7.0
May	29,538	32,368	9.6	136,310	146,653	7.6
June	27,626	31,058	12.4	163,936	177,711	8.4
July	28,007	30,126	7.6	191,943	207,837	8.3
August	30,434	31,415	3.2	222,377	239,252	7.6
September	27,146	29,013	6.9	249,523	268,265	7.5
October	28,829	29,781	3.3	278,352	298,046	7.1
November	26,066			304,418		
December	26,066			330,484		
Cottage cheese, lowfat						
January	28,655	26,867	-6.2	28,655	26,867	-6.2
February	28,142	27,567	-2.0	56,797	54,434	-4.2
March	30,711	31,348	2.1	87,508	85,782	-2.0
April	29,610	29,815	0.7	117,118	115,597	-1.3
May	31,746	31,486	-0.8	148,864	147,083	-1.2
June	27,924	28,466	1.9	176,788	175,549	-0.7
July	28,450	29,329	3.1	205,238	204,878	-0.2
August	31,370	31,958	1.9	236,608	236,836	0.1
September	27,396	27,266	-0.5	264,004	264,102	-
October	29,205	28,185	-3.5	293,209	292,287	-0.3
November	26,060			319,269		
December	25,152			344,421		
Sour cream						
January	113,967	118,603	4.1	113,967	118,603	4.1
February	99,700	98,994	-0.7	213,667	217,597	1.8
March	115,648	116,393	0.6	329,315	333,990	1.4
April	109,615	111,878	2.1	438,930	445,868	1.6
May	118,884	118,874	-	557,814	564,742	1.2
June	117,764	114,737	-2.6	675,578	679,479	0.6
July	107,401	110,077	2.5	782,979	789,556	0.8
August	118,709	118,830	0.1	901,688	908,386	0.7
September	108,314	108,381	0.1	1,010,002	1,016,767	0.7
October	126,023	127,818	1.4	1,136,025	1,144,585	0.8
November	129,312			1,265,337		
December	121,812			1,387,149		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	56,500	54,718	-3.2	56,500	54,718	-3.2
February	58,988	55,411	-6.1	115,488	110,129	-4.6
March	74,168	64,388	-13.2	189,656	174,517	-8.0
April	69,711	63,601	-8.8	259,367	238,118	-8.2
May	72,167	66,580	-7.7	331,534	304,698	-8.1
June	74,788	71,761	-4.0	406,322	376,459	-7.3
July	69,394	70,443	1.5	475,716	446,902	-6.1
August	73,596	71,559	-2.8	549,312	518,461	-5.6
September	60,596	59,019	-2.6	609,908	577,480	-5.3
October	56,616	60,526	6.9	666,524	638,006	-4.3
November	49,618			716,142		
December	46,520			762,662		
Ice cream, lowfat total						
January	31,934	31,241	-2.2	31,934	31,241	-2.2
February	38,363	33,849	-11.8	70,297	65,090	-7.4
March	44,189	41,268	-6.6	114,486	106,358	-7.1
April	41,293	40,329	-2.3	155,779	146,687	-5.8
May	45,772	45,175	-1.3	201,551	191,862	-4.8
June	45,860	46,310	1.0	247,411	238,172	-3.7
July	42,769	43,435	1.6	290,180	281,607	-3.0
August	43,344	42,970	-0.9	333,524	324,577	-2.7
September	35,226	34,572	-1.9	368,750	359,149	-2.6
October	34,566	32,237	-6.7	403,316	391,386	-3.0
November	27,946			431,262		
December	28,552			459,814		
Sherbet, hard						
January	3,295	2,975	-9.7	3,295	2,975	-9.7
February	3,005	2,995	-0.3	6,300	5,970	-5.2
March	3,770	3,292	-12.7	10,070	9,262	-8.0
April	3,788	3,654	-3.5	13,858	12,916	-6.8
May	3,582	3,514	-1.9	17,440	16,430	-5.8
June	3,819	3,409	-10.7	21,259	19,839	-6.7
July	3,319	3,151	-5.1	24,578	22,990	-6.5
August	3,697	3,467	-6.2	28,275	26,457	-6.4
September	3,282	3,188	-2.9	31,557	29,645	-6.1
October	2,542	2,853	12.2	34,099	32,498	-4.7
November	2,352			36,451		
December	2,181			38,632		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2017 and 2018 (continued)

[Blank data cells indicate estimation period has not yet begun]

Product and month	Monthly			Cumulative		
	2017	2018	Change from 2017	2017	2018	Change from 2017
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	381,750	365,342	-4.3	381,750	365,342	-4.3
February	369,841	375,716	1.6	751,591	741,058	-1.4
March	411,605	390,586	-5.1	1,163,196	1,131,644	-2.7
April	375,287	358,583	-4.5	1,538,483	1,490,227	-3.1
May	385,257	371,391	-3.6	1,923,740	1,861,618	-3.2
June	376,335	368,426	-2.1	2,300,075	2,230,044	-3.0
July	349,529	358,204	2.5	2,649,604	2,588,248	-2.3
August	396,182	397,456	0.3	3,045,786	2,985,704	-2.0
September	393,654	369,615	-6.1	3,439,440	3,355,319	-2.4
October	368,558	369,021	0.1	3,807,998	3,724,340	-2.2
November	317,564			4,125,562		
December	352,746			4,478,308		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	5,299	4,617	-12.9	5,299	4,617	-12.9
February	5,424	4,624	-14.7	10,723	9,241	-13.8
March	6,912	6,583	-4.8	17,635	15,824	-10.3
April	6,391	5,646	-11.7	24,026	21,470	-10.6
May	5,771	5,303	-8.1	29,797	26,773	-10.1
June	5,609	5,529	-1.4	35,406	32,302	-8.8
July	5,192	4,937	-4.9	40,598	37,239	-8.3
August	5,653	4,567	-19.2	46,251	41,806	-9.6
September	4,557	4,403	-3.4	50,808	46,209	-9.1
October	4,152	3,858	-7.1	54,960	50,067	-8.9
November	4,070			59,030		
December	3,514			62,544		

- Represents zero.

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States and United States:
October 2017 and 2018**

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	212,048	205,391	214,685	1.2	4.5
Idaho	85,015	84,776	91,756	7.9	8.2
Illinois	7,728	6,905	6,119	-20.8	-11.4
Iowa	22,498	23,974	27,258	21.2	13.7
Minnesota	59,167	59,737	58,273	-1.5	-2.5
New Jersey	5,165	5,013	4,951	-4.1	-1.2
New Mexico	64,078	71,956	78,859	23.1	9.6
Ohio	19,438	20,786	20,980	7.9	0.9
Oregon	18,260	17,143	18,796	2.9	9.6
Pennsylvania	34,896	34,217	40,429	15.9	18.2
South Dakota	24,053	23,609	24,250	0.8	2.7
Vermont	11,443	12,256	11,958	4.5	-2.4
Wisconsin	286,925	278,788	290,180	1.1	4.1
Other States ¹	236,151	209,919	230,510	-2.4	9.8
United States	1,086,865	1,054,470	1,119,004	3.0	6.1
Atlantic	143,457	126,860	144,139	0.5	13.6
Central	496,863	481,697	498,530	0.3	3.5
West	446,545	445,913	476,335	6.7	6.8

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

American Cheese Production – States and United States: October 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	52,517	51,326	53,699	2.3	4.6
Idaho	55,855	51,074	54,161	-3.0	6.0
Iowa	12,171	14,697	17,047	40.1	16.0
Oregon	18,165	17,040	18,693	2.9	9.7
Wisconsin	83,828	78,531	84,000	0.2	7.0
Other States ¹	207,949	204,645	205,884	-1.0	0.6
United States	430,485	417,313	433,484	0.7	3.9
Atlantic	25,823	26,699	27,592	6.9	3.3
Central	217,424	202,178	207,425	-4.6	2.6
West	187,238	188,436	198,467	6.0	5.3

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	28,148	25,098	29,413	4.5	17.2
Idaho	42,090	38,893	39,031	-7.3	0.4
Iowa	6,540	8,571	9,594	46.7	11.9
Minnesota	46,631	48,904	45,098	-3.3	-7.8
Oregon	15,536	13,303	15,984	2.9	20.2
Vermont	7,977	8,249	8,408	5.4	1.9
Wisconsin	57,529	52,572	57,500	-0.1	9.4
Other States ¹	103,382	95,256	98,335	-4.9	3.2
United States	307,833	290,846	303,363	-1.5	4.3
Atlantic	24,630	25,211	26,192	6.3	3.9
Central	155,175	140,404	141,007	-9.1	0.4
West	128,028	125,231	136,164	6.4	8.7

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	133,434	132,815	134,036	0.5	0.9
Idaho	22,338	27,732	29,324	31.3	5.7
Pennsylvania	19,667	21,449	22,292	13.3	3.9
Wisconsin	144,857	142,933	145,678	0.6	1.9
Other States ¹	134,345	125,942	139,308	3.7	10.6
United States	454,641	450,871	470,638	3.5	4.4
Atlantic	58,085	55,445	60,077	3.4	8.4
Central	189,067	183,596	190,612	0.8	3.8
West	207,489	211,830	219,949	6.0	3.8

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	121,103	122,907	123,147	1.7	0.2
Idaho	20,985	27,002	28,539	36.0	5.7
Pennsylvania	16,542	18,433	19,074	15.3	3.5
Wisconsin	94,414	94,654	96,000	1.7	1.4
Other States ¹	94,644	95,010	102,835	8.7	8.2
United States	347,688	358,006	369,595	6.3	3.2
Atlantic	35,084	34,951	36,582	4.3	4.7
Central	120,294	122,791	125,947	4.7	2.6
West	192,310	200,264	207,066	7.7	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: October 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,783	44,135	40,972	-6.4	-7.2
Pennsylvania	6,790	4,589	6,483	-4.5	41.3
Other States ¹	94,098	86,076	96,798	2.9	12.5
United States	144,671	134,800	144,253	-0.3	7.0
Atlantic	14,526	10,362	13,649	-6.0	31.7
Central	59,356	53,494	59,843	0.8	11.9
West	70,789	70,944	70,761	-	-0.3

- Represents zero.

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,005	32,706	49,322	-6.9	50.8
Pennsylvania	12,558	9,515	10,706	-14.7	12.5
Other States ¹	79,445	66,605	65,262	-17.9	-2.0
United States	145,008	108,826	125,290	-13.6	15.1
Atlantic	20,343	20,941	22,562	10.9	7.7
Central	24,269	19,037	18,756	-22.7	-1.5
West	100,396	68,848	83,972	-16.4	22.0

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin	26,706	24,231	24,563	-8.0	1.4
Other States ¹	52,565	45,784	60,986	16.0	33.2
United States	79,271	70,015	85,549	7.9	22.2
Atlantic	20,437	20,399	20,621	0.9	1.1
Central	38,381	33,297	33,905	-11.7	1.8
West	20,453	16,319	31,023	51.7	90.1

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 2017 and 2018

State	October 2017	September 2018	October 2018	Change from	
				October 2017	September 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,603	5,407	5,367	-18.7	-0.7
Connecticut	846	948	1,217	43.9	28.4
Missouri	2,455	3,088	2,465	0.4	-20.2
Ohio	2,127	2,092	2,247	5.6	7.4
Oregon	970	1,090	1,091	12.5	0.1
Pennsylvania	3,560	1,693	3,353	-5.8	98.1
Tennessee	1,664	1,674	1,905	14.5	13.8
Utah	2,093	2,242	2,316	10.7	3.3
Other States ¹	36,298	40,785	40,565	11.8	-0.5
United States	56,616	59,019	60,526	6.9	2.6
Atlantic	13,417	13,009	14,817	10.4	13.9
Central	31,673	35,104	34,737	9.7	-1.0
West	11,526	10,906	10,972	-4.8	0.6

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

Dairy Products Regions



West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Central: Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

Atlantic: Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

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 2017, there were 1,306 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

Modes of data collection: Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

Terms and definitions: Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

Reliability: Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

Estimating Procedures: In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

Revision Policy: Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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

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