



Dairy Products

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October 2019 Highlights

Total cheese output (excluding cottage cheese) was 1.13 billion pounds, 2.1 percent below October 2018 but 4.6 percent above September 2019.

Italian type cheese production totaled 482 million pounds, 0.3 percent below October 2018 but 2.4 percent above September 2019.

American type cheese production totaled 443 million pounds, 3.2 percent below October 2018 but 6.8 percent above September 2019.

Butter production was 157 million pounds, 5.4 percent above October 2018 and 13.8 percent above September 2019.

Dry milk products (comparisons in percentage with October 2018)

Nonfat dry milk, human - 135 million pounds, up 11.1 percent.

Skim milk powder - 44.2 million pounds, down 9.0 percent.

Whey products (comparisons in percentage with October 2018)

Dry whey, total - 89.9 million pounds, up 7.0 percent.

Lactose, human and animal - 97.3 million pounds, up 8.1 percent.

Whey protein concentrate, total - 39.9 million pounds, down 6.0 percent.

Frozen products (comparisons in percentage with October 2018)

Ice cream, regular (hard) - 58.7 million gallons, down 3.1 percent.

Ice cream, lowfat (total) - 31.9 million gallons, down 12.8 percent.

Sherbet (hard) - 2.46 million gallons, down 17.3 percent.

Frozen yogurt (total) - 3.07 million gallons, down 1.8 percent.

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Dairy Products Production by Product – United States: October 2018 and 2019

Product	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	148,896	137,886	156,964	5.4	13.8
Cheese					
American types ¹	457,122	414,502	442,609	-3.2	6.8
Cheddar	323,213	283,246	309,566	-4.2	9.3
Other American types	133,909	131,256	133,043	-0.6	1.4
Blue and Gorgonzola	8,379	8,404	9,302	11.0	10.7
Brick and Muenster	18,515	15,852	19,198	3.7	21.1
Cream and Neufchatel	95,019	87,212	88,666	-6.7	1.7
Feta	12,507	11,030	11,273	-9.9	2.2
Gouda	6,132	4,756	4,067	-33.7	-14.5
Hispanic	30,134	28,042	30,077	-0.2	7.3
Italian types	483,852	470,703	482,161	-0.3	2.4
Mozzarella	381,217	376,283	382,867	0.4	1.7
Parmesan	33,656	30,398	32,144	-4.5	5.7
Provolone	34,283	33,471	33,160	-3.3	-0.9
Ricotta	23,902	20,014	23,415	-2.0	17.0
Romano	4,537	3,732	4,933	8.7	32.2
Other Italian types	6,257	6,805	5,642	-9.8	-17.1
Swiss	27,390	27,748	29,145	6.4	5.0
All other types	15,120	12,399	13,983	-7.5	12.8
Total cheese ²	1,154,170	1,080,648	1,130,481	-2.1	4.6
Cottage cheese, curd ³	33,463	31,021	32,973	-1.5	6.3
Cottage cheese, cream ⁴	29,828	27,360	31,161	4.5	13.9
Cottage cheese, lowfat ⁵	28,706	27,505	28,319	-1.3	3.0
Sour cream	128,883	113,199	133,499	3.6	17.9
Yogurt, plain and flavored	363,128	357,865	351,784	-3.1	-1.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	60,610	59,247	58,706	-3.1	-0.9
Ice cream, lowfat, hard	17,447	16,731	17,003	-2.5	1.6
Ice cream, lowfat, soft	19,160	15,772	14,928	-22.1	-5.4
Ice cream, lowfat, total ⁶	36,607	32,503	31,931	-12.8	-1.8
Ice cream, nonfat, hard	774	494	545	-29.6	10.3
Sherbet, hard	2,978	2,702	2,462	-17.3	-8.9
Frozen yogurt, total	3,124	3,817	3,067	-1.8	-19.6
Regular and lowfat, hard	1,167	1,089	957	-18.0	-12.1
Nonfat, hard	262	325	415	58.4	27.7
Other frozen dairy products	1,960	1,685	1,250	-36.2	-25.8
Water and juice ices	4,698	4,711	4,630	-1.4	-1.7
Mix for frozen products					
Ice cream, regular, mix	36,455	37,110	36,610	0.4	-1.3
Ice cream, lowfat, mix ⁷	20,799	18,250	17,888	-14.0	-2.0
Ice cream, nonfat, mix	593	299	367	-38.1	22.7
Sherbet mix	1,902	1,819	1,649	-13.3	-9.3
Yogurt mix	2,013	2,175	1,870	-7.1	-14.0

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 2018 and 2019**

Product	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,235	5,890	6,970	-31.9	18.3
Dry whey products					
Dry whey, human	82,222	89,602	88,820	8.0	-0.9
Dry whey, animal	1,781	1,024	1,064	-40.3	3.9
Dry whey, total	84,003	90,626	89,884	7.0	-0.8
Reduced lactose and minerals					
Human	1,497	2,247	1,343	-10.3	-40.2
Animal	3,519	2,718	3,194	-9.2	17.5
Whey protein concentrate					
Human ²	42,016	38,105	38,615	-8.1	1.3
Animal ²	376	1,760	1,246	231.4	-29.2
Total ²	42,392	39,865	39,861	-6.0	-
25.0-49.9 percent ³	16,634	15,755	14,062	-15.5	-10.7
50.0-89.9 percent ³	25,758	24,110	25,799	0.2	7.0
Whey protein isolates ⁴	11,479	9,771	10,626	-7.4	8.8
Lactose, human and animal	90,025	95,525	97,301	8.1	1.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	73,179	80,066	76,554	4.6	-4.4
Dry whey, animal	1,145	2,621	1,504	31.4	-42.6
Dry whey, total	74,324	82,687	78,058	5.0	-5.6
Reduced Lactose and minerals					
Human and animal ⁶	3,832	5,016	4,934	28.8	-1.6
Whey protein concentrate					
Human ²	60,861	63,902	64,320	5.7	0.7
Animal ²	885	1,511	1,377	55.6	-8.9
Total ²	61,746	65,413	65,697	6.4	0.4
25.0-49.9 percent ³	22,400	22,943	22,745	1.5	-0.9
50.0-89.9 percent ³	39,346	42,470	42,952	9.2	1.1
Whey protein isolates ⁴	23,610	18,478	18,052	-23.5	-2.3
Lactose, human and animal	86,341	112,972	107,084	24.0	-5.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	21.8	18.0	18.5	-3.3	0.6

- Represents zero.

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 2018 and 2019**

Product	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	110,900	113,637	110,751	-0.1	-2.5
Dry milk products					
Dry buttermilk, total	10,072	8,847	8,905	-11.6	0.7
Dry skim milk, animal	753	546	697	-7.4	27.7
Dry whole milk	5,831	7,603	7,952	36.4	4.6
Milk protein concentrate, total ¹	8,671	12,446	13,475	55.4	8.3
Nonfat dry milk, human	121,595	120,297	135,123	11.1	12.3
Skim milk powder, total ²	48,580	52,806	44,208	-9.0	-16.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	12,975	13,884	12,413	-4.3	-10.6
Dry skim milk, animal	4,068	3,111	6,969	71.3	124.0
Dry whole milk	18,733	21,782	18,659	-0.4	-14.3
Nonfat dry milk, human	252,648	250,907	219,821	-13.0	-12.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	118,658	121,743	155,047	30.7	27.4

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: 2018 and 2019

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,098,670	1,098,353	-	1,098,670	1,098,353	-
February	992,824	991,346	-0.1	2,091,494	2,089,699	-0.1
March	1,108,022	1,120,525	1.1	3,199,516	3,210,224	0.3
April	1,078,148	1,086,416	0.8	4,277,664	4,296,640	0.4
May	1,085,249	1,109,044	2.2	5,362,913	5,405,684	0.8
June	1,065,989	1,067,383	0.1	6,428,902	6,473,067	0.7
July	1,087,097	1,092,686	0.5	7,515,999	7,565,753	0.7
August	1,086,966	1,121,987	3.2	8,602,965	8,687,740	1.0
September	1,059,076	1,080,648	2.0	9,662,041	9,768,388	1.1
October	1,154,170	1,130,481	-2.1	10,816,211	10,898,869	0.8
November	1,095,965			11,912,176		
December	1,112,411			13,024,587		
Total American cheese types ²						
January	448,124	439,283	-2.0	448,124	439,283	-2.0
February	406,189	391,027	-3.7	854,313	830,310	-2.8
March	443,185	440,262	-0.7	1,297,498	1,270,572	-2.1
April	444,287	431,588	-2.9	1,741,785	1,702,160	-2.3
May	442,968	443,943	0.2	2,184,753	2,146,103	-1.8
June	429,076	426,627	-0.6	2,613,829	2,572,730	-1.6
July	440,937	437,343	-0.8	3,054,766	3,010,073	-1.5
August	435,388	459,204	5.5	3,490,154	3,469,277	-0.6
September	424,032	414,502	-2.2	3,914,186	3,883,779	-0.8
October	457,122	442,609	-3.2	4,371,308	4,326,388	-1.0
November	434,185			4,805,493		
December	448,340			5,253,833		
Cheddar cheese						
January	331,985	323,210	-2.6	331,985	323,210	-2.6
February	301,256	280,816	-6.8	633,241	604,026	-4.6
March	320,257	312,494	-2.4	953,498	916,520	-3.9
April	319,153	307,591	-3.6	1,272,651	1,224,111	-3.8
May	318,665	321,660	0.9	1,591,316	1,545,771	-2.9
June	312,869	307,127	-1.8	1,904,185	1,852,898	-2.7
July	325,217	307,940	-5.3	2,229,402	2,160,838	-3.1
August	311,974	325,145	4.2	2,541,376	2,485,983	-2.2
September	297,632	283,246	-4.8	2,839,008	2,769,229	-2.5
October	323,213	309,566	-4.2	3,162,221	3,078,795	-2.6
November	314,170			3,476,391		
December	326,117			3,802,508		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	473,913	480,134	1.3	473,913	480,134	1.3
February	428,100	441,082	3.0	902,013	921,216	2.1
March	483,095	494,933	2.5	1,385,108	1,416,149	2.2
April	460,768	476,853	3.5	1,845,876	1,893,002	2.6
May	460,817	475,351	3.2	2,306,693	2,368,353	2.7
June	450,929	462,859	2.6	2,757,622	2,831,212	2.7
July	462,769	465,587	0.6	3,220,391	3,296,799	2.4
August	453,431	467,324	3.1	3,673,822	3,764,123	2.5
September	450,964	470,703	4.4	4,124,786	4,234,826	2.7
October	483,852	482,161	-0.3	4,608,638	4,716,987	2.4
November	469,207			5,077,845		
December	479,005			5,556,850		
Mozzarella						
January	365,563	379,627	3.8	365,563	379,627	3.8
February	328,591	347,234	5.7	694,154	726,861	4.7
March	372,712	392,018	5.2	1,066,866	1,118,879	4.9
April	358,320	373,667	4.3	1,425,186	1,492,546	4.7
May	359,072	375,667	4.6	1,784,258	1,868,213	4.7
June	355,249	371,007	4.4	2,139,507	2,239,220	4.7
July	367,437	369,779	0.6	2,506,944	2,608,999	4.1
August	357,346	371,629	4.0	2,864,290	2,980,628	4.1
September	358,579	376,283	4.9	3,222,869	3,356,911	4.2
October	381,217	382,867	0.4	3,604,086	3,739,778	3.8
November	370,269			3,974,355		
December	377,006			4,351,361		
Other Italian cheese types						
January	5,549	6,750	21.6	5,549	6,750	21.6
February	5,689	6,076	6.8	11,238	12,826	14.1
March	6,417	7,328	14.2	17,655	20,154	14.2
April	5,909	6,567	11.1	23,564	26,721	13.4
May	6,671	6,330	-5.1	30,235	33,051	9.3
June	6,828	5,981	-12.4	37,063	39,032	5.3
July	6,084	6,749	10.9	43,147	45,781	6.1
August	6,181	7,244	17.2	49,328	53,025	7.5
September	6,728	6,805	1.1	56,056	59,830	6.7
October	6,257	5,642	-9.8	62,313	65,472	5.1
November	6,987			69,300		
December	6,393			75,693		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	182,143	189,642	4.1	182,143	189,642	4.1
February	167,669	164,525	-1.9	349,812	354,167	1.2
March	181,847	173,558	-4.6	531,659	527,725	-0.7
April	175,216	164,674	-6.0	706,875	692,399	-2.0
May	170,122	160,945	-5.4	876,997	853,344	-2.7
June	142,122	144,801	1.9	1,019,119	998,145	-2.1
July	134,564	142,541	5.9	1,153,683	1,140,686	-1.1
August	133,571	137,322	2.8	1,287,254	1,278,008	-0.7
September	135,041	137,886	2.1	1,422,295	1,415,894	-0.5
October	148,896	156,964	5.4	1,571,191	1,572,858	0.1
November	149,428			1,720,619		
December	170,388			1,891,007		
Nonfat dry milk, human						
January	159,272	172,690	8.4	159,272	172,690	8.4
February	157,105	153,806	-2.1	316,377	326,496	3.2
March	177,980	163,944	-7.9	494,357	490,440	-0.8
April	169,428	165,049	-2.6	663,785	655,489	-1.2
May	165,670	170,687	3.0	829,455	826,176	-0.4
June	152,244	155,862	2.4	981,699	982,038	-
July	150,193	168,198	12.0	1,131,892	1,150,236	1.6
August	129,077	133,720	3.6	1,260,969	1,283,956	1.8
September	114,030	120,297	5.5	1,374,999	1,404,253	2.1
October	121,595	135,123	11.1	1,496,594	1,539,376	2.9
November	134,424			1,631,018		
December	142,522			1,773,540		
Skim milk powder, total ³						
January	44,033	39,784	-9.6	44,033	39,784	-9.6
February	38,034	35,630	-6.3	82,067	75,414	-8.1
March	42,066	46,677	11.0	124,133	122,091	-1.6
April	49,457	45,014	-9.0	173,590	167,105	-3.7
May	50,374	25,169	-50.0	223,964	192,274	-14.1
June	59,439	44,384	-25.3	283,403	236,658	-16.5
July	47,498	36,725	-22.7	330,901	273,383	-17.4
August	47,558	51,350	8.0	378,459	324,733	-14.2
September	46,694	52,806	13.1	425,153	377,539	-11.2
October	48,580	44,208	-9.0	473,733	421,747	-11.0
November	42,455			516,188		
December	50,316			566,504		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	90,569	81,202	-10.3	90,569	81,202	-10.3
February	89,431	74,948	-16.2	180,000	156,150	-13.3
March	91,368	76,372	-16.4	271,368	232,522	-14.3
April	85,731	74,997	-12.5	357,099	307,519	-13.9
May	85,904	79,483	-7.5	443,003	387,002	-12.6
June	86,603	82,976	-4.2	529,606	469,978	-11.3
July	90,171	82,905	-8.1	619,777	552,883	-10.8
August	78,814	84,909	7.7	698,591	637,792	-8.7
September	69,951	90,626	29.6	768,542	728,418	-5.2
October	84,003	89,884	7.0	852,545	818,302	-4.0
November	72,306			924,851		
December	74,505			999,356		
Lactose, human and animal						
January	94,822	111,586	17.7	94,822	111,586	17.7
February	86,232	98,080	13.7	181,054	209,666	15.8
March	100,861	114,527	13.5	281,915	324,193	15.0
April	93,472	108,038	15.6	375,387	432,231	15.1
May	96,204	109,247	13.6	471,591	541,478	14.8
June	95,874	106,630	11.2	567,465	648,108	14.2
July	98,603	106,918	8.4	666,068	755,026	13.4
August	97,273	95,457	-1.9	763,341	850,483	11.4
September	91,391	95,525	4.5	854,732	946,008	10.7
October	90,025	97,301	8.1	944,757	1,043,309	10.4
November	103,137			1,047,894		
December	110,406			1,158,300		
Whey protein concentrate, total						
January	44,257	43,170	-2.5	44,257	43,170	-2.5
February	41,182	39,295	-4.6	85,439	82,465	-3.5
March	50,463	42,769	-15.2	135,902	125,234	-7.8
April	41,887	40,729	-2.8	177,789	165,963	-6.7
May	42,424	41,126	-3.1	220,213	207,089	-6.0
June	41,001	39,191	-4.4	261,214	246,280	-5.7
July	40,877	39,624	-3.1	302,091	285,904	-5.4
August	42,856	39,789	-7.2	344,947	325,693	-5.6
September	41,991	39,865	-5.1	386,938	365,558	-5.5
October	42,392	39,861	-6.0	429,330	405,419	-5.6
November	40,919			470,249		
December	43,722			513,971		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	27,933	28,322	1.4	27,933	28,322	1.4
February	27,261	26,094	-4.3	55,194	54,416	-1.4
March	32,655	30,228	-7.4	87,849	84,644	-3.6
April	29,410	31,141	5.9	117,259	115,785	-1.3
May	32,320	29,580	-8.5	149,579	145,365	-2.8
June	31,006	28,754	-7.3	180,585	174,119	-3.6
July	30,114	32,594	8.2	210,699	206,713	-1.9
August	31,920	27,859	-12.7	242,619	234,572	-3.3
September	27,141	27,360	0.8	269,760	261,932	-2.9
October	29,828	31,161	4.5	299,588	293,093	-2.2
November	27,051			326,639		
December	26,146			352,785		
Cottage cheese, lowfat						
January	29,299	28,134	-4.0	29,299	28,134	-4.0
February	27,577	25,374	-8.0	56,876	53,508	-5.9
March	31,340	28,122	-10.3	88,216	81,630	-7.5
April	29,982	29,221	-2.5	118,198	110,851	-6.2
May	31,476	27,653	-12.1	149,674	138,504	-7.5
June	28,321	25,769	-9.0	177,995	164,273	-7.7
July	29,296	29,827	1.8	207,291	194,100	-6.4
August	29,342	26,402	-10.0	236,633	220,502	-6.8
September	26,943	27,505	2.1	263,576	248,007	-5.9
October	28,706	28,319	-1.3	292,282	276,326	-5.5
November	25,181			317,463		
December	24,621			342,084		
Sour cream						
January	120,265	120,975	0.6	120,265	120,975	0.6
February	98,965	100,923	2.0	219,230	221,898	1.2
March	116,365	108,829	-6.5	335,595	330,727	-1.5
April	111,335	117,612	5.6	446,930	448,339	0.3
May	119,221	121,142	1.6	566,151	569,481	0.6
June	114,106	111,628	-2.2	680,257	681,109	0.1
July	109,820	118,337	7.8	790,077	799,446	1.2
August	119,327	115,858	-2.9	909,404	915,304	0.6
September	107,914	113,199	4.9	1,017,318	1,028,503	1.1
October	128,883	133,499	3.6	1,146,201	1,162,002	1.4
November	130,767			1,276,968		
December	126,443			1,403,411		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	53,684	53,551	-0.2	53,684	53,551	-0.2
February	55,447	52,120	-6.0	109,131	105,671	-3.2
March	63,553	65,449	3.0	172,684	171,120	-0.9
April	62,821	64,091	2.0	235,505	235,211	-0.1
May	64,551	64,194	-0.6	300,056	299,405	-0.2
June	70,263	66,462	-5.4	370,319	365,867	-1.2
July	68,966	65,958	-4.4	439,285	431,825	-1.7
August	70,111	61,956	-11.6	509,396	493,781	-3.1
September	56,601	59,247	4.7	565,997	553,028	-2.3
October	60,610	58,706	-3.1	626,607	611,734	-2.4
November	48,070			674,677		
December	43,855			718,532		
Ice cream, lowfat total						
January	32,568	31,559	-3.1	32,568	31,559	-3.1
February	34,823	32,235	-7.4	67,391	63,794	-5.3
March	41,108	41,611	1.2	108,499	105,405	-2.9
April	40,800	44,487	9.0	149,299	149,892	0.4
May	42,471	48,594	14.4	191,770	198,486	3.5
June	45,471	45,579	0.2	237,241	244,065	2.9
July	42,333	43,393	2.5	279,574	287,458	2.8
August	41,742	37,929	-9.1	321,316	325,387	1.3
September	34,907	32,503	-6.9	356,223	357,890	0.5
October	36,607	31,931	-12.8	392,830	389,821	-0.8
November	30,121			422,951		
December	28,152			451,103		
Sherbet, hard						
January	2,858	2,551	-10.7	2,858	2,551	-10.7
February	3,112	2,653	-14.7	5,970	5,204	-12.8
March	3,368	3,502	4.0	9,338	8,706	-6.8
April	3,578	3,236	-9.6	12,916	11,942	-7.5
May	3,513	3,294	-6.2	16,429	15,236	-7.3
June	3,563	3,346	-6.1	19,992	18,582	-7.1
July	3,151	2,974	-5.6	23,143	21,556	-6.9
August	3,255	2,563	-21.3	26,398	24,119	-8.6
September	3,084	2,702	-12.4	29,482	26,821	-9.0
October	2,978	2,462	-17.3	32,460	29,283	-9.8
November	2,341			34,801		
December	2,100			36,901		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	372,015	360,050	-3.2	372,015	360,050	-3.2
February	376,710	365,389	-3.0	748,725	725,439	-3.1
March	389,848	390,607	0.2	1,138,573	1,116,046	-2.0
April	358,160	371,640	3.8	1,496,733	1,487,686	-0.6
May	373,431	347,538	-6.9	1,870,164	1,835,224	-1.9
June	373,079	360,060	-3.5	2,243,243	2,195,284	-2.1
July	360,886	348,256	-3.5	2,604,129	2,543,540	-2.3
August	396,296	357,283	-9.8	3,000,425	2,900,823	-3.3
September	369,989	357,865	-3.3	3,370,414	3,258,688	-3.3
October	363,128	351,784	-3.1	3,733,542	3,610,472	-3.3
November	310,848			4,044,390		
December	343,698			4,388,088		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,054	5,145	26.9	4,054	5,145	26.9
February	4,094	4,500	9.9	8,148	9,645	18.4
March	5,495	4,750	-13.6	13,643	14,395	5.5
April	5,212	4,896	-6.1	18,855	19,291	2.3
May	4,880	4,673	-4.2	23,735	23,964	1.0
June	5,089	2,936	-42.3	28,824	26,900	-6.7
July	4,258	4,078	-4.2	33,082	30,978	-6.4
August	4,005	4,011	0.1	37,087	34,989	-5.7
September	3,622	3,817	5.4	40,709	38,806	-4.7
October	3,124	3,067	-1.8	43,833	41,873	-4.5
November	3,261			47,094		
December	3,133			50,227		

- 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 2018 and 2019**

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	215,533	203,946	215,561	-	5.7
Idaho	91,400	83,710	86,844	-5.0	3.7
Illinois	6,121	6,438	7,082	15.7	10.0
Iowa	27,694	27,085	29,034	4.8	7.2
Minnesota	61,834	58,034	59,281	-4.1	2.1
New Jersey	5,263	4,545	5,595	6.3	23.1
New Mexico	78,860	76,619	81,156	2.9	5.9
New York	73,427	71,134	72,649	-1.1	2.1
Ohio	20,979	18,752	20,182	-3.8	7.6
Oregon	18,787	17,497	18,252	-2.8	4.3
Pennsylvania	40,248	33,665	38,531	-4.3	14.5
South Dakota	24,253	30,524	30,618	26.2	0.3
Vermont	12,081	11,871	12,262	1.5	3.3
Wisconsin	308,590	282,236	285,395	-7.5	1.1
Other States ¹	169,100	154,592	168,039	-0.6	8.7
United States	1,154,170	1,080,648	1,130,481	-2.1	4.6
Atlantic	142,056	131,788	139,922	-1.5	6.2
Central	535,267	498,460	516,812	-3.4	3.7
West	476,847	450,400	473,747	-0.7	5.2

- 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 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,843	46,546	48,394	-10.1	4.0
Idaho	54,116	47,539	52,178	-3.6	9.8
Iowa	17,391	16,388	17,036	-2.0	4.0
Minnesota	52,455	48,185	50,188	-4.3	4.2
New York	11,481	10,910	10,579	-7.9	-3.0
Oregon	18,680	17,434	18,154	-2.8	4.1
Wisconsin	89,885	77,860	83,200	-7.4	6.9
Other States ¹	159,271	149,640	162,880	2.3	8.8
United States	457,122	414,502	442,609	-3.2	6.8
Atlantic	27,541	26,556	26,405	-4.1	-0.6
Central	231,029	205,835	223,193	-3.4	8.4
West	198,552	182,111	193,011	-2.8	6.0

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 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	29,486	22,267	21,919	-25.7	-1.6
Idaho	38,986	32,021	36,492	-6.4	14.0
Iowa	9,628	8,055	8,168	-15.2	1.4
Minnesota	48,240	46,655	48,021	-0.5	2.9
Oregon	15,973	14,341	14,784	-7.4	3.1
Vermont	8,427	8,161	8,433	0.1	3.3
Wisconsin	60,968	53,288	56,800	-6.8	6.6
Other States ¹	111,505	98,458	114,949	3.1	16.7
United States	323,213	283,246	309,566	-4.2	9.3
Atlantic	26,080	25,216	25,084	-3.8	-0.5
Central	160,953	141,033	157,486	-2.2	11.7
West	136,180	116,997	126,996	-6.7	8.5

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 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	137,324	135,759	144,099	4.9	6.1
Idaho	29,324	30,259	28,352	-3.3	-6.3
Minnesota	8,944	9,498	8,703	-2.7	-8.4
New York	32,013	28,797	32,208	0.6	11.8
Pennsylvania	22,285	20,933	21,509	-3.5	2.8
Wisconsin	153,322	142,472	141,588	-7.7	-0.6
Other States ¹	100,640	102,985	105,702	5.0	2.6
United States	483,852	470,703	482,161	-0.3	2.4
Atlantic	62,061	56,417	61,482	-0.9	9.0
Central	198,555	192,252	188,834	-4.9	-1.8
West	223,236	222,034	231,845	3.9	4.4

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 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	126,651	126,302	134,155	5.9	6.2
Idaho	28,539	29,546	27,971	-2.0	-5.3
New York	15,747	15,530	15,621	-0.8	0.6
Pennsylvania	19,068	17,407	17,811	-6.6	2.3
Wisconsin	100,731	92,204	91,700	-9.0	-0.5
Other States ¹	90,481	95,294	95,609	5.7	0.3
United States	381,217	376,283	382,867	0.4	1.7
Atlantic	39,208	37,240	37,954	-3.2	1.9
Central	131,439	128,362	124,444	-5.3	-3.1
West	210,570	210,681	220,469	4.7	4.6

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

Butter Production – States and United States: October 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,082	44,071	48,794	5.9	10.7
New York	2,042	1,618	2,031	-0.5	25.5
Pennsylvania	6,483	7,154	7,791	20.2	8.9
Other States ¹	94,289	85,043	98,348	4.3	15.6
United States	148,896	137,886	156,964	5.4	13.8
Atlantic	13,476	12,705	14,369	6.6	13.1
Central	59,549	53,829	64,977	9.1	20.7
West	75,871	71,352	77,618	2.3	8.8

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: October 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	44,897	39,078	48,092	7.1	23.1
Pennsylvania	10,795	12,720	13,280	23.0	4.4
Other States ¹	65,903	68,499	73,751	11.9	7.7
United States	121,595	120,297	135,123	11.1	12.3
Atlantic	22,590	26,296	28,919	28.0	10.0
Central	19,458	22,799	22,878	17.6	0.3
West	79,547	71,202	83,326	4.8	17.0

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 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,996	11,250	10,473	-4.8	-6.9
Wisconsin	23,125	24,380	23,789	2.9	-2.4
Other States ¹	48,101	53,972	54,558	13.4	1.1
United States	82,222	89,602	88,820	8.0	-0.9
Atlantic	20,621	22,024	20,776	0.8	-5.7
Central	32,467	37,979	36,519	12.5	-3.8
West	29,134	29,599	31,525	8.2	6.5

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

Ice Cream, Regular (Hard) Production – States and United States: October 2018 and 2019

State	October 2018	September 2019	October 2019	Change from	
				October 2018	September 2019
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,545	6,281	6,720	21.2	7.0
Connecticut	1,220	1,043	1,301	6.6	24.7
Missouri	2,844	2,977	2,786	-2.0	-6.4
New York	2,392	2,403	2,444	2.2	1.7
Ohio	2,307	2,152	2,412	4.6	12.1
Oregon	1,111	1,012	1,117	0.5	10.4
Pennsylvania	3,232	3,047	2,550	-21.1	-16.3
Tennessee	1,905	1,668	1,825	-4.2	9.4
Utah	2,317	1,730	2,292	-1.1	32.5
Other States ¹	37,737	36,934	35,259	-6.6	-4.5
United States	60,610	59,247	58,706	-3.1	-0.9
Atlantic	13,828	12,698	13,255	-4.1	4.4
Central	35,638	35,518	33,114	-7.1	-6.8
West	11,144	11,031	12,337	10.7	11.8

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 2018, there were 1,273 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@usda.gov.

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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.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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