



Dairy Products

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November 2020 Highlights

Total cheese output (excluding cottage cheese) was 1.10 billion pounds, 0.6 percent above November 2019 but 2.7 percent below October 2020.

Italian type cheese production totaled 457 million pounds, 3.1 percent below November 2019 and 2.4 percent below October 2020.

American type cheese production totaled 449 million pounds, 3.9 percent above November 2019 but 2.8 percent below October 2020.

Butter production was 168 million pounds, 4.0 percent above November 2019 and 1.8 percent above October 2020.

Dry milk products (comparisons in percentage with November 2019)

Nonfat dry milk, human - 152 million pounds, up 9.2 percent.

Skim milk powder - 54.4 million pounds, up 6.8 percent.

Whey products (comparisons in percentage with November 2019)

Dry whey, total - 70.6 million pounds, down 5.9 percent.

Lactose, human and animal - 89.8 million pounds, up 1.6 percent.

Whey protein concentrate, total - 39.9 million pounds, down 1.9 percent.

Frozen products (comparisons in percentage with November 2019)

Ice cream, regular (hard) - 53.0 million gallons, up 13.0 percent.

Ice cream, lowfat (total) - 29.9 million gallons, up 2.9 percent.

Sherbet (hard) - 2.36 million gallons, up 15.1 percent.

Frozen yogurt (total) - 3.86 million gallons, down 0.1 percent.

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Dairy Products Production by Product – United States: November 2019 and 2020

Product	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	161,852	165,383	168,320	4.0	1.8
Cheese					
American types ¹	432,438	462,048	449,236	3.9	-2.8
Cheddar	309,223	328,957	320,716	3.7	-2.5
Other American types	123,215	133,091	128,520	4.3	-3.4
Blue and Gorgonzola	7,668	6,502	5,723	-25.4	-12.0
Brick and Muenster	15,745	16,841	16,352	3.9	-2.9
Cream and Neufchatel	85,127	90,064	90,032	5.8	-
Feta	8,365	10,252	8,345	-0.2	-18.6
Gouda	4,149	3,644	3,724	-10.2	2.2
Hispanic	27,890	30,102	27,693	-0.7	-8.0
Italian types	471,962	468,629	457,483	-3.1	-2.4
Mozzarella	375,266	366,108	362,832	-3.3	-0.9
Parmesan	30,314	35,992	33,427	10.3	-7.1
Provolone	30,150	32,965	28,285	-6.2	-14.2
Ricotta	23,973	22,944	21,908	-8.6	-4.5
Romano	5,545	3,917	4,378	-21.0	11.8
Other Italian types	6,714	6,703	6,653	-0.9	-0.7
Swiss	26,100	28,406	27,897	6.9	-1.8
All other types	13,953	14,778	13,733	-1.6	-7.1
Total cheese ²	1,093,397	1,131,266	1,100,218	0.6	-2.7
Cottage cheese, curd ³	28,701	35,728	29,933	4.3	-16.2
Cottage cheese, cream ⁴	27,025	33,908	29,394	8.8	-13.3
Cottage cheese, lowfat ⁵	24,008	28,891	24,109	0.4	-16.6
Sour cream	129,785	140,258	131,954	1.7	-5.9
Yogurt, plain and flavored	319,612	386,920	317,681	-0.6	-17.9
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	46,927	61,712	53,009	13.0	-14.1
Ice cream, lowfat, hard	14,792	19,798	17,455	18.0	-11.8
Ice cream, lowfat, soft	14,276	15,187	12,442	-12.8	-18.1
Ice cream, lowfat, total ⁶	29,068	34,985	29,897	2.9	-14.5
Ice cream, nonfat, hard	417	648	426	2.2	-34.3
Sherbet, hard	2,053	2,768	2,364	15.1	-14.6
Frozen yogurt, total	3,868	4,425	3,863	-0.1	-12.7
Regular and lowfat, hard	1,022	825	1,094	7.0	32.6
Nonfat, hard	316	338	239	-24.4	-29.3
Other frozen dairy products	582	1,415	1,286	121.0	-9.1
Water and juice ices	4,772	5,431	4,638	-2.8	-14.6
Mix for frozen products					
Ice cream, regular, mix	28,084	40,772	36,175	28.8	-11.3
Ice cream, lowfat, mix ⁷	13,273	19,514	16,637	25.3	-14.7
Ice cream, nonfat, mix	294	495	300	2.0	-39.4
Sherbet mix	1,451	2,138	1,662	14.5	-22.3
Yogurt mix	1,566	1,684	1,551	-1.0	-7.9

- 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:
November 2019 and 2020**

Product	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,653	6,178	6,235	-41.5	0.9
Dry whey products					
Dry whey, human	73,920	73,700	69,534	-5.9	-5.7
Dry whey, animal	1,191	1,051	1,113	-6.5	5.9
Dry whey, total	75,111	74,751	70,647	-5.9	-5.5
Reduced lactose and minerals					
Human	1,365	1,612	1,437	5.3	-10.9
Animal	2,840	2,981	2,950	3.9	-1.0
Whey protein concentrate					
Human ²	39,863	38,265	39,572	-0.7	3.4
Animal ²	833	424	339	-59.3	-20.0
Total ²	40,696	38,689	39,911	-1.9	3.2
25.0-49.9 percent ³	14,212	14,313	15,145	6.6	5.8
50.0-89.9 percent ³	26,484	24,376	24,766	-6.5	1.6
Whey protein isolates ⁴	9,321	10,005	8,754	-6.1	-12.5
Lactose, human and animal	88,375	91,218	89,767	1.6	-1.6
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	77,988	67,065	66,387	-14.9	-1.0
Dry whey, animal	1,063	998	872	-18.0	-12.6
Dry whey, total	79,051	68,063	67,259	-14.9	-1.2
Reduced Lactose and minerals					
Human and animal ⁶	4,292	5,619	5,588	30.2	-0.6
Whey protein concentrate					
Human ²	67,006	62,372	63,289	-5.5	1.5
Animal ²	815	797	727	-10.8	-8.8
Total ²	67,821	63,169	64,016	-5.6	1.3
25.0-49.9 percent ³	24,530	26,212	28,527	16.3	8.8
50.0-89.9 percent ³	43,291	36,957	35,489	-18.0	-4.0
Whey protein isolates ⁴	17,650	14,766	14,830	-16.0	0.4
Lactose, human and animal	116,469	104,373	113,799	-2.3	9.0
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	13.6	20.2	22.0	8.4	1.8

¹ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
November 2019 and 2020**

Product	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	92,429	107,038	100,369	8.6	-6.2
Dry milk products					
Dry buttermilk, total	8,885	8,382	10,266	15.5	22.5
Dry skim milk, animal	8,057	701	662	-91.8	-5.6
Dry whole milk	9,856	12,092	12,843	30.3	6.2
Milk protein concentrate, total ¹	10,310	18,371	12,872	24.8	-29.9
Nonfat dry milk, human	138,880	138,720	151,685	9.2	9.3
Skim milk powder, total ²	50,955	57,175	54,433	6.8	-4.8
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	14,954	16,604	17,625	17.9	6.1
Dry skim milk, animal	15,597	9,188	8,814	-43.5	-4.1
Dry whole milk	15,917	13,470	14,789	-7.1	9.8
Nonfat dry milk, human	222,623	235,203	250,308	12.4	6.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	140,180	136,142	141,637	1.0	4.0

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: 2019 and 2020

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,116,577	1,110,515	-0.5	1,116,577	1,110,515	-0.5
February	1,003,696	1,031,672	2.8	2,120,273	2,142,187	1.0
March	1,122,414	1,124,028	0.1	3,242,687	3,266,215	0.7
April	1,085,010	1,063,753	-2.0	4,327,697	4,329,968	0.1
May	1,105,886	1,101,005	-0.4	5,433,583	5,430,973	-
June	1,067,702	1,111,446	4.1	6,501,285	6,542,419	0.6
July	1,087,602	1,107,633	1.8	7,588,887	7,650,052	0.8
August	1,113,646	1,085,226	-2.6	8,702,533	8,735,278	0.4
September	1,080,526	1,096,686	1.5	9,783,059	9,831,964	0.5
October	1,138,241	1,131,266	-0.6	10,921,300	10,963,230	0.4
November	1,093,397	1,100,218	0.6	12,014,697	12,063,448	0.4
December	1,122,546			13,137,243		
Total American cheese types ²						
January	451,964	437,451	-3.2	451,964	437,451	-3.2
February	399,112	418,605	4.9	851,076	856,056	0.6
March	442,723	450,058	1.7	1,293,799	1,306,114	1.0
April	430,539	447,044	3.8	1,724,338	1,753,158	1.7
May	443,683	442,282	-0.3	2,168,021	2,195,440	1.3
June	427,638	436,406	2.1	2,595,659	2,631,846	1.4
July	434,449	454,712	4.7	3,030,108	3,086,558	1.9
August	452,030	447,095	-1.1	3,482,138	3,533,653	1.5
September	415,687	434,659	4.6	3,897,825	3,968,312	1.8
October	445,601	462,048	3.7	4,343,426	4,430,360	2.0
November	432,438	449,236	3.9	4,775,864	4,879,596	2.2
December	456,378			5,232,242		
Cheddar cheese						
January	336,801	319,240	-5.2	336,801	319,240	-5.2
February	289,258	302,408	4.5	626,059	621,648	-0.7
March	315,229	318,292	1.0	941,288	939,940	-0.1
April	306,510	330,891	8.0	1,247,798	1,270,831	1.8
May	321,122	317,737	-1.1	1,568,920	1,588,568	1.3
June	307,403	309,012	0.5	1,876,323	1,897,580	1.1
July	305,911	323,991	5.9	2,182,234	2,221,571	1.8
August	321,190	324,030	0.9	2,503,424	2,545,601	1.7
September	284,142	306,953	8.0	2,787,566	2,852,554	2.3
October	309,584	328,957	6.3	3,097,150	3,181,511	2.7
November	309,223	320,716	3.7	3,406,373	3,502,227	2.8
December	330,369			3,736,742		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	483,211	485,398	0.5	483,211	485,398	0.5
February	440,425	448,190	1.8	923,636	933,588	1.1
March	493,275	486,865	-1.3	1,416,911	1,420,453	0.2
April	475,467	451,068	-5.1	1,892,378	1,871,521	-1.1
May	474,522	480,614	1.3	2,366,900	2,352,135	-0.6
June	461,688	477,058	3.3	2,828,588	2,829,193	-
July	463,865	453,813	-2.2	3,292,453	3,283,006	-0.3
August	466,578	443,457	-5.0	3,759,031	3,726,463	-0.9
September	470,642	463,126	-1.6	4,229,673	4,189,589	-0.9
October	485,559	468,629	-3.5	4,715,232	4,658,218	-1.2
November	471,962	457,483	-3.1	5,187,194	5,115,701	-1.4
December	483,331			5,670,525		
Mozzarella						
January	381,103	381,983	0.2	381,103	381,983	0.2
February	346,363	353,200	2.0	727,466	735,183	1.1
March	391,166	388,257	-0.7	1,118,632	1,123,440	0.4
April	372,686	351,712	-5.6	1,491,318	1,475,152	-1.1
May	374,770	378,291	0.9	1,866,088	1,853,443	-0.7
June	370,364	382,043	3.2	2,236,452	2,235,486	-
July	368,167	365,266	-0.8	2,604,619	2,600,752	-0.1
August	370,384	351,956	-5.0	2,975,003	2,952,708	-0.7
September	375,726	365,058	-2.8	3,350,729	3,317,766	-1.0
October	384,612	366,108	-4.8	3,735,341	3,683,874	-1.4
November	375,266	362,832	-3.3	4,110,607	4,046,706	-1.6
December	383,976			4,494,583		
Other Italian cheese types						
January	6,968	6,809	-2.3	6,968	6,809	-2.3
February	6,184	5,896	-4.7	13,152	12,705	-3.4
March	7,465	6,687	-10.4	20,617	19,392	-5.9
April	6,725	5,103	-24.1	27,342	24,495	-10.4
May	6,450	6,417	-0.5	33,792	30,912	-8.5
June	6,155	5,975	-2.9	39,947	36,887	-7.7
July	6,898	5,299	-23.2	46,845	42,186	-9.9
August	7,143	6,051	-15.3	53,988	48,237	-10.7
September	7,017	6,920	-1.4	61,005	55,157	-9.6
October	5,698	6,703	17.6	66,703	61,860	-7.3
November	6,714	6,653	-0.9	73,417	68,513	-6.7
December	7,123			80,540		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	199,038	193,422	-2.8	199,038	193,422	-2.8
February	172,171	188,035	9.2	371,209	381,457	2.8
March	180,694	195,886	8.4	551,903	577,343	4.6
April	172,371	217,531	26.2	724,274	794,874	9.7
May	170,044	177,966	4.7	894,318	972,840	8.8
June	154,848	150,200	-3.0	1,049,166	1,123,040	7.0
July	150,705	154,883	2.8	1,199,871	1,277,923	6.5
August	141,323	151,631	7.3	1,341,194	1,429,554	6.6
September	144,334	151,612	5.0	1,485,528	1,581,166	6.4
October	162,921	165,383	1.5	1,648,449	1,746,549	6.0
November	161,852	168,320	4.0	1,810,301	1,914,869	5.8
December	183,774			1,994,075		
Nonfat dry milk, human						
January	177,280	176,259	-0.6	177,280	176,259	-0.6
February	153,417	159,128	3.7	330,697	335,387	1.4
March	161,829	172,389	6.5	492,526	507,776	3.1
April	167,758	195,159	16.3	660,284	702,935	6.5
May	173,666	158,591	-8.7	833,950	861,526	3.3
June	157,948	147,134	-6.8	991,898	1,008,660	1.7
July	172,329	163,198	-5.3	1,164,227	1,171,858	0.7
August	132,525	144,216	8.8	1,296,752	1,316,074	1.5
September	117,806	125,980	6.9	1,414,558	1,442,054	1.9
October	132,716	138,720	4.5	1,547,274	1,580,774	2.2
November	138,880	151,685	9.2	1,686,154	1,732,459	2.7
December	164,869			1,851,023		
Skim milk powder, total ³						
January	36,153	40,119	11.0	36,153	40,119	11.0
February	33,901	38,434	13.4	70,054	78,553	12.1
March	48,274	40,843	-15.4	118,328	119,396	0.9
April	46,244	40,394	-12.7	164,572	159,790	-2.9
May	26,604	47,070	76.9	191,176	206,860	8.2
June	52,062	61,253	17.7	243,238	268,113	10.2
July	46,708	51,220	9.7	289,946	319,333	10.1
August	60,768	61,233	0.8	350,714	380,566	8.5
September	58,764	72,450	23.3	409,478	453,016	10.6
October	47,386	57,175	20.7	456,864	510,191	11.7
November	50,955	54,433	6.8	507,819	564,624	11.2
December	64,893			572,712		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	82,765	84,272	1.8	82,765	84,272	1.8
February	76,146	76,490	0.5	158,911	160,762	1.2
March	77,378	82,100	6.1	236,289	242,862	2.8
April	74,998	77,844	3.8	311,287	320,706	3.0
May	79,090	86,534	9.4	390,377	407,240	4.3
June	82,976	84,795	2.2	473,353	492,035	3.9
July	82,906	84,826	2.3	556,259	576,861	3.7
August	84,897	78,818	-7.2	641,156	655,679	2.3
September	90,627	74,758	-17.5	731,783	730,437	-0.2
October	90,843	74,751	-17.7	822,626	805,188	-2.1
November	75,111	70,647	-5.9	897,737	875,835	-2.4
December	79,821			977,558		
Lactose, human and animal						
January	112,832	87,796	-22.2	112,832	87,796	-22.2
February	98,231	87,435	-11.0	211,063	175,231	-17.0
March	114,157	97,498	-14.6	325,220	272,729	-16.1
April	108,057	91,183	-15.6	433,277	363,912	-16.0
May	109,722	94,059	-14.3	542,999	457,971	-15.7
June	108,551	101,024	-6.9	651,550	558,995	-14.2
July	106,989	100,628	-5.9	758,539	659,623	-13.0
August	95,074	97,385	2.4	853,613	757,008	-11.3
September	95,488	98,634	3.3	949,101	855,642	-9.8
October	96,493	91,218	-5.5	1,045,594	946,860	-9.4
November	88,375	89,767	1.6	1,133,969	1,036,627	-8.6
December	93,634			1,227,603		
Whey protein concentrate, total						
January	43,871	41,935	-4.4	43,871	41,935	-4.4
February	38,551	35,600	-7.7	82,422	77,535	-5.9
March	42,026	39,800	-5.3	124,448	117,335	-5.7
April	40,639	38,650	-4.9	165,087	155,985	-5.5
May	41,911	39,715	-5.2	206,998	195,700	-5.5
June	39,516	39,785	0.7	246,514	235,485	-4.5
July	39,802	39,600	-0.5	286,316	275,085	-3.9
August	39,903	39,512	-1.0	326,219	314,597	-3.6
September	40,068	39,400	-1.7	366,287	353,997	-3.4
October	40,672	38,689	-4.9	406,959	392,686	-3.5
November	40,696	39,911	-1.9	447,655	432,597	-3.4
December	43,106			490,761		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	30,354	27,622	-9.0	30,354	27,622	-9.0
February	28,399	26,172	-7.8	58,753	53,794	-8.4
March	29,846	32,439	8.7	88,599	86,233	-2.7
April	30,945	32,946	6.5	119,544	119,179	-0.3
May	29,312	31,976	9.1	148,856	151,155	1.5
June	28,265	31,008	9.7	177,121	182,163	2.8
July	32,350	32,769	1.3	209,471	214,932	2.6
August	31,495	32,431	3.0	240,966	247,363	2.7
September	29,488	35,592	20.7	270,454	282,955	4.6
October	31,956	33,908	6.1	302,410	316,863	4.8
November	27,025	29,394	8.8	329,435	346,257	5.1
December	28,427			357,862		
Cottage cheese, lowfat						
January	29,450	26,333	-10.6	29,450	26,333	-10.6
February	26,863	24,434	-9.0	56,313	50,767	-9.8
March	27,765	27,693	-0.3	84,078	78,460	-6.7
April	29,039	28,300	-2.5	113,117	106,760	-5.6
May	27,512	25,959	-5.6	140,629	132,719	-5.6
June	25,433	25,505	0.3	166,062	158,224	-4.7
July	29,611	28,793	-2.8	195,673	187,017	-4.4
August	29,747	27,264	-8.3	225,420	214,281	-4.9
September	26,427	28,120	6.4	251,847	242,401	-3.8
October	27,922	28,891	3.5	279,769	271,292	-3.0
November	24,008	24,109	0.4	303,777	295,401	-2.8
December	23,879			327,656		
Sour cream						
January	122,056	121,591	-0.4	122,056	121,591	-0.4
February	103,082	101,869	-1.2	225,138	223,460	-0.7
March	108,617	118,779	9.4	333,755	342,239	2.5
April	117,973	111,887	-5.2	451,728	454,126	0.5
May	120,332	136,118	13.1	572,060	590,244	3.2
June	111,416	121,962	9.5	683,476	712,206	4.2
July	118,403	113,206	-4.4	801,879	825,412	2.9
August	119,252	117,762	-1.2	921,131	943,174	2.4
September	111,282	121,426	9.1	1,032,413	1,064,600	3.1
October	133,320	140,258	5.2	1,165,733	1,204,858	3.4
November	129,785	131,954	1.7	1,295,518	1,336,812	3.2
December	130,139			1,425,657		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	53,064	52,157	-1.7	53,064	52,157	-1.7
February	53,369	52,484	-1.7	106,433	104,641	-1.7
March	65,957	63,707	-3.4	172,390	168,348	-2.3
April	64,681	63,059	-2.5	237,071	231,407	-2.4
May	67,414	64,092	-4.9	304,485	295,499	-3.0
June	64,920	71,841	10.7	369,405	367,340	-0.6
July	64,846	71,669	10.5	434,251	439,009	1.1
August	64,242	68,997	7.4	498,493	508,006	1.9
September	58,155	65,078	11.9	556,648	573,084	3.0
October	58,581	61,712	5.3	615,229	634,796	3.2
November	46,927	53,009	13.0	662,156	687,805	3.9
December	47,039			709,195		
Ice cream, lowfat total						
January	33,457	30,886	-7.7	33,457	30,886	-7.7
February	35,760	33,278	-6.9	69,217	64,164	-7.3
March	42,538	38,109	-10.4	111,755	102,273	-8.5
April	44,505	35,531	-20.2	156,260	137,804	-11.8
May	47,873	43,689	-8.7	204,133	181,493	-11.1
June	44,364	47,333	6.7	248,497	228,826	-7.9
July	43,582	47,669	9.4	292,079	276,495	-5.3
August	42,021	44,839	6.7	334,100	321,334	-3.8
September	37,206	40,122	7.8	371,306	361,456	-2.7
October	36,315	34,985	-3.7	407,621	396,441	-2.7
November	29,068	29,897	2.9	436,689	426,338	-2.4
December	28,110			464,799		
Sherbet, hard						
January	2,437	2,577	5.7	2,437	2,577	5.7
February	2,700	3,021	11.9	5,137	5,598	9.0
March	3,225	3,056	-5.2	8,362	8,654	3.5
April	3,067	2,759	-10.0	11,429	11,413	-0.1
May	3,191	2,614	-18.1	14,620	14,027	-4.1
June	3,166	3,475	9.8	17,786	17,502	-1.6
July	2,795	3,037	8.7	20,581	20,539	-0.2
August	2,382	3,376	41.7	22,963	23,915	4.1
September	2,703	3,076	13.8	25,666	26,991	5.2
October	2,445	2,768	13.2	28,111	29,759	5.9
November	2,053	2,364	15.1	30,164	32,123	6.5
December	2,056			32,220		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	369,301	347,758	-5.8	369,301	347,758	-5.8
February	375,622	375,155	-0.1	744,923	722,913	-3.0
March	399,699	418,060	4.6	1,144,622	1,140,973	-0.3
April	379,341	363,628	-4.1	1,523,963	1,504,601	-1.3
May	354,516	372,064	4.9	1,878,479	1,876,665	-0.1
June	364,013	396,538	8.9	2,242,492	2,273,203	1.4
July	348,614	365,970	5.0	2,591,106	2,639,173	1.9
August	377,322	382,283	1.3	2,968,428	3,021,456	1.8
September	381,495	388,829	1.9	3,349,923	3,410,285	1.8
October	357,443	386,920	8.2	3,707,366	3,797,205	2.4
November	319,612	317,681	-0.6	4,026,978	4,114,886	2.2
December	348,979			4,375,957		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,081	4,032	-1.2	4,081	4,032	-1.2
February	5,761	4,160	-27.8	9,842	8,192	-16.8
March	5,691	5,577	-2.0	15,533	13,769	-11.4
April	5,083	4,762	-6.3	20,616	18,531	-10.1
May	6,491	6,038	-7.0	27,107	24,569	-9.4
June	5,641	5,344	-5.3	32,748	29,913	-8.7
July	5,722	5,619	-1.8	38,470	35,532	-7.6
August	7,963	8,119	2.0	46,433	43,651	-6.0
September	4,522	4,463	-1.3	50,955	48,114	-5.6
October	4,390	4,425	0.8	55,345	52,539	-5.1
November	3,868	3,863	-0.1	59,213	56,402	-4.7
December	2,916			62,129		

- 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, United States, and Regions:
November 2019 and 2020**

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	217,544	200,282	200,730	-7.7	0.2
Idaho	77,093	85,812	82,959	7.6	-3.3
Illinois	6,131	6,064	5,275	-14.0	-13.0
Iowa	28,671	29,602	31,928	11.4	7.9
Minnesota	58,324	64,308	62,204	6.7	-3.3
New Jersey	5,271	6,076	5,073	-3.8	-16.5
New Mexico	80,443	81,380	78,617	-2.3	-3.4
New York	69,475	75,453	69,155	-0.5	-8.3
Ohio	19,014	21,075	19,113	0.5	-9.3
Oregon	16,955	20,104	20,151	18.8	0.2
Pennsylvania	35,382	35,009	34,509	-2.5	-1.4
South Dakota	33,044	41,238	40,479	22.5	-1.8
Vermont	12,384	12,392	12,951	4.6	4.5
Wisconsin	279,521	290,451	275,549	-1.4	-5.1
Other States ¹	154,145	162,020	161,525	4.8	-0.3
United States	1,093,397	1,131,266	1,100,218	0.6	-2.7
Atlantic	133,685	139,768	132,944	-0.6	-4.9
Central	499,688	539,107	515,188	3.1	-4.4
West	460,024	452,391	452,086	-1.7	-0.1

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

American Cheese Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	49,042	50,001	48,954	-0.2	-2.1
Idaho	48,602	55,841	54,472	12.1	-2.5
Iowa	17,997	15,900	18,204	1.2	14.5
Minnesota	51,739	53,574	51,819	0.2	-3.3
New York	11,855	11,518	11,361	-4.2	-1.4
Oregon	16,865	19,995	20,064	19.0	0.3
Wisconsin	83,554	90,281	87,300	4.5	-3.3
Other States ¹	152,784	164,938	157,062	2.8	-4.8
United States	432,438	462,048	449,236	3.9	-2.8
Atlantic	28,371	26,886	28,045	-1.1	4.3
Central	216,701	234,341	227,533	5.0	-2.9
West	187,366	200,821	193,658	3.4	-3.6

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

Cheddar Cheese Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	24,347	23,928	25,563	5.0	6.8
Iowa	9,035	10,038	8,689	-3.8	-13.4
Minnesota	50,105	52,819	50,411	0.6	-4.6
Oregon	14,474	17,639	15,954	10.2	-9.6
Vermont	8,645	7,887	8,335	-3.6	5.7
Wisconsin	59,130	63,002	62,200	5.2	-1.3
Other States ¹	143,487	153,644	149,564	4.2	-2.7
United States	309,223	328,957	320,716	3.7	-2.5
Atlantic	26,665	25,367	25,821	-3.2	1.8
Central	153,170	165,475	160,497	4.8	-3.0
West	129,388	138,115	134,398	3.9	-2.7

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

Total Italian Cheese Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	148,208	128,442	130,070	-12.2	1.3
Idaho	23,719	25,280	23,301	-1.8	-7.8
Minnesota	6,279	10,466	10,167	61.9	-2.9
New Jersey	3,051	3,088	2,947	-3.4	-4.6
New York	31,307	32,519	31,040	-0.9	-4.5
Pennsylvania	20,961	19,808	20,158	-3.8	1.8
Wisconsin	137,252	136,749	131,337	-4.3	-4.0
Other States ¹	101,185	112,277	108,463	7.2	-3.4
United States	471,962	468,629	457,483	-3.1	-2.4
Atlantic	59,627	59,904	58,458	-2.0	-2.4
Central	184,485	194,886	187,137	1.4	-4.0
West	227,850	213,839	211,888	-7.0	-0.9

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

Mozzarella Cheese Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	137,800	119,448	120,971	-12.2	1.3
Idaho	23,094	24,757	22,698	-1.7	-8.3
New Jersey	1,516	1,571	1,568	3.4	-0.2
New York	15,894	15,128	16,181	1.8	7.0
Pennsylvania	17,705	16,722	16,711	-5.6	-0.1
Wisconsin	88,847	86,108	86,000	-3.2	-0.1
Other States ¹	90,410	102,374	98,703	9.2	-3.6
United States	375,266	366,108	362,832	-3.3	-0.9
Atlantic	37,969	36,190	37,313	-1.7	3.1
Central	121,937	126,735	124,764	2.3	-1.6
West	215,360	203,183	200,755	-6.8	-1.2

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

Butter Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	48,711	54,101	50,914	4.5	-5.9
New York	1,959	1,995	1,967	0.4	-1.4
Pennsylvania	7,974	8,169	8,061	1.1	-1.3
Other States ¹	103,208	101,118	107,378	4.0	6.2
United States	161,852	165,383	168,320	4.0	1.8
Atlantic	14,328	14,854	14,832	3.5	-0.1
Central	64,291	61,452	66,709	3.8	8.6
West	83,233	89,077	86,779	4.3	-2.6

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

Nonfat Dry Milk (Human) Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	44,918	44,802	50,694	12.9	13.2
Pennsylvania	14,629	12,892	13,208	-9.7	2.5
Other States ¹	79,333	81,026	87,783	10.7	8.3
United States	138,880	138,720	151,685	9.2	9.3
Atlantic	24,401	25,655	26,146	7.2	1.9
Central	31,027	33,457	34,447	11.0	3.0
West	83,452	79,608	91,092	9.2	14.4

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

Dry Whey (Human) Production – States, United States, and Regions: November 2019 and 2020

State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,179	11,498	9,442	-15.5	-17.9
Wisconsin	22,443	21,642	22,833	1.7	5.5
Other States ¹	40,298	40,560	37,259	-7.5	-8.1
United States	73,920	73,700	69,534	-5.9	-5.7
Atlantic	20,793	21,214	18,987	-8.7	-10.5
Central	35,357	32,473	33,032	-6.6	1.7
West	17,770	20,013	17,515	-1.4	-12.5

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

Ice Cream, Regular (Hard) Production – States, United States, and Regions: November 2019 and 2020

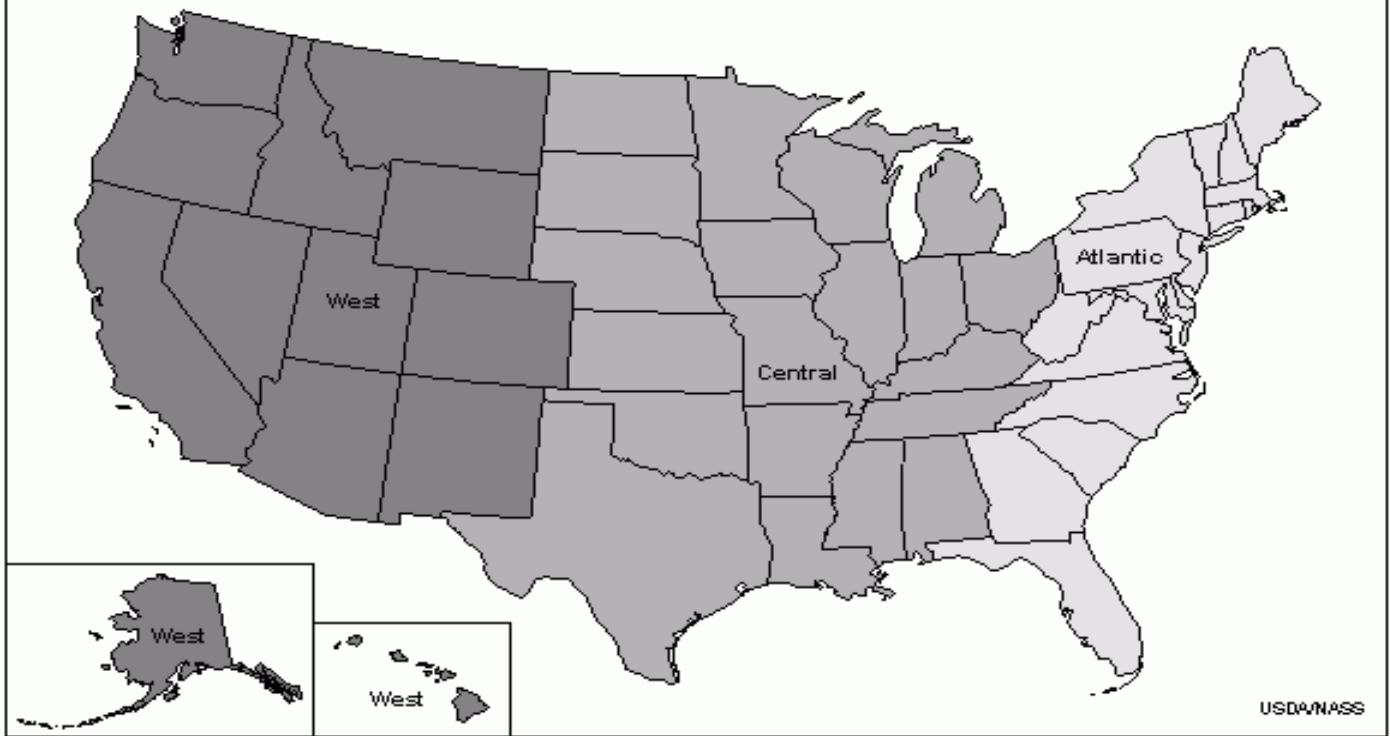
State and region	November 2019	October 2020	November 2020	Change from	
				November 2019	October 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	3,868	6,095	4,972	28.5	-18.4
Connecticut	1,213	1,248	1,162	-4.2	-6.9
Missouri	2,237	2,730	2,234	-0.1	-18.2
New Jersey ¹	81	(NA)	(NA)	(NA)	(NA)
New York	1,559	2,032	1,548	-0.7	-23.8
Ohio	1,862	2,700	2,125	14.1	-21.3
Oregon	1,005	1,362	790	-21.4	-42.0
Pennsylvania	3,618	3,984	3,479	-3.8	-12.7
Tennessee	1,705	1,736	1,898	11.3	9.3
Utah	1,571	1,820	1,171	-25.5	-35.7
Wisconsin	546	931	769	40.8	-17.4
Other States ²	27,662	37,074	32,861	18.8	-11.4
United States	46,927	61,712	53,009	13.0	-14.1
Atlantic	12,334	15,388	13,312	7.9	-13.5
Central	26,998	35,450	31,246	15.7	-11.9
West	7,595	10,874	8,451	11.3	-22.3

(NA) Not available.

¹ Included in Other States in 2020.

² 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 2019, there were 1,266 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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