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Dairy Products 2020 Summary

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Summary

Total cheese production, excluding cottage cheeses, was 13.3 billion pounds, 0.9 percent above 2019 production. Wisconsin was the leading State with 25.6 percent of the production.

Italian varieties, with 5.63 billion pounds was 0.8 percent below 2019 production and accounted for 42.4 percent of total cheese in 2020. Mozzarella accounted for 79.1 percent of the Italian production followed by Parmesan with 7.4 percent and Provolone with 6.5 percent. Wisconsin was the leading State in Italian cheese production with 29.3 percent of the production.

American type cheese production was 5.34 billion pounds, 2.0 percent above 2019 and accounted for 40.3 percent of total cheese in 2020. Wisconsin was the leading State in American type cheese production with 19.9 percent of the production.

Butter production in the United States during 2020 totaled 2.15 billion pounds, 7.6 percent above 2019. California was the leading state in Butter production with 31.1 percent of the production.

Dry milk powders (2020 United States production, comparisons in percentage with 2019)

Nonfat dry milk, human - 1.99 billion pounds, up 7.6 percent.

Skim milk powders - 695 million pounds, up 21.4 percent.

Whey products (2020 United States production, comparisons in percentage with 2019)

Dry whey, total - 951 million pounds, down 2.7 percent.

Lactose, human and animal - 1.10 billion pounds, down 10.1 percent.

Whey protein concentrate, total - 478 million pounds, down 2.7 percent.

Frozen products (2020 United States production, comparisons in percentage with 2019)

Ice cream, Regular (total) - 914 million gallons, up 3.9 percent.

Ice cream, Lowfat (total) - 482 million gallons, up 1.8 percent.

Sherbet (total) - 37.6 million gallons, down 15.4 percent.

Frozen Yogurt (total) - 35.5 million gallons, down 37.7 percent.

Dairy Products Production by Product and Month – United States: 2019

Products	Plants (number)	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)
Butter	95	199,041	172,173	180,697	172,374
Cheese					
American types	265	451,975	399,090	442,725	430,526
Cheddar	242	336,799	289,254	315,235	306,514
Other American ¹	153	115,176	109,836	127,490	124,012
Blue and Gorgonzola	52	7,570	6,512	7,977	7,588
Brick	19	196	136	125	233
Cream and Neufchatel	33	73,015	63,388	79,212	70,516
Feta	50	9,456	10,037	11,479	12,413
Gouda	88	5,367	2,763	4,137	3,605
Hispanic	62	25,207	28,195	28,347	27,721
Italian types	212	483,206	440,433	493,284	475,471
Mozzarella	136	381,103	346,363	391,165	372,684
Parmesan	44	37,791	35,384	37,128	38,554
Provolone	43	31,651	30,183	30,873	33,053
Ricotta	58	21,599	18,320	22,352	19,824
Romano	28	4,096	4,000	4,301	4,631
Other Italian types	58	6,966	6,183	7,465	6,725
Muenster	40	18,026	14,717	14,681	16,694
Swiss	64	29,976	26,443	27,683	27,601
All other types	218	12,774	11,889	12,334	12,406
Total cheese ²	557	1,116,768	1,003,603	1,121,984	1,084,774
Cottage cheese, curd ³	54	34,101	31,700	33,388	34,505
Cottage cheese, creamed ⁴	54	30,354	28,399	29,846	30,945
Cottage cheese, lowfat ⁵	54	29,450	26,863	27,765	29,039
Sour cream	111	122,223	103,118	108,551	118,050
Yogurt, plain and flavored	162	369,373	375,691	399,841	379,461

See footnote(s) at end of table.

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

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	170,048	154,851	150,707	141,325	144,337
Cheese					
American types	443,702	427,635	434,451	452,028	415,686
Cheddar	321,124	307,397	305,909	321,194	284,145
Other American ¹	122,578	120,238	128,542	130,834	131,541
Blue and Gorgonzola	8,332	8,758	7,914	8,388	8,099
Brick	256	148	148	138	148
Cream and Neufchatel	72,309	71,339	79,986	85,171	86,328
Feta	12,585	11,539	11,570	10,948	10,710
Gouda	3,133	3,334	3,895	5,207	4,816
Hispanic	29,532	27,441	26,829	27,529	28,072
Italian types	474,532	461,696	463,863	466,579	470,640
Mozzarella	374,769	370,363	368,166	370,384	375,725
Parmesan	38,181	32,691	33,174	32,410	30,153
Provolone	32,436	31,166	33,498	33,216	33,468
Ricotta	18,244	16,645	17,800	19,418	20,130
Romano	4,452	4,676	4,328	4,007	4,148
Other Italian types	6,450	6,155	6,897	7,144	7,016
Muenster	17,911	16,601	17,562	15,585	15,516
Swiss	29,839	28,290	29,104	28,896	27,705
All other types	13,476	12,479	12,291	13,027	12,807
Total cheese ²	1,105,607	1,069,260	1,087,613	1,113,496	1,080,527
Cottage cheese, curd ³	32,004	31,947	36,978	34,227	31,108
Cottage cheese, creamed ⁴	29,312	28,265	32,350	31,495	29,488
Cottage cheese, lowfat ⁵	27,512	25,433	29,611	29,747	26,427
Sour cream	120,414	111,426	118,581	119,187	111,242
Yogurt, plain and flavored	354,412	363,938	348,789	377,394	383,379

See footnote(s) at end of table.

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

Products	October	November	December	Total	2019 as percent of 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	162,925	161,854	183,776	1,994,108	1.3
Cheese					
American types ¹	445,594	432,426	456,385	5,232,223	-0.4
Cheddar	309,585	309,224	330,373	3,736,753	-1.7
Other American	136,009	123,202	126,012	1,495,470	3.0
Blue and Gorgonzola	9,270	7,668	6,649	94,725	0.1
Brick	175	197	113	2,013	-11.5
Cream and Neufchatel	89,440	85,127	79,176	935,007	2.2
Feta	11,074	8,365	9,820	129,996	0.1
Gouda	4,169	4,151	4,124	48,701	-25.4
Hispanic	30,255	27,699	26,422	333,249	6.8
Italian types	485,560	471,962	483,337	5,670,563	1.8
Mozzarella	384,612	375,265	383,977	4,494,576	2.9
Parmesan	32,349	30,315	33,966	412,096	-2.9
Provolone	34,272	30,150	30,084	384,050	-3.5
Ricotta	23,459	23,973	22,905	244,669	-1.0
Romano	5,169	5,545	5,281	54,634	-5.9
Other Italian types	5,699	6,714	7,124	80,538	6.3
Muenster	19,042	15,548	15,010	196,893	3.0
Swiss	29,136	26,100	27,534	338,307	1.8
All other types	14,235	13,939	13,952	155,609	-9.4
Total cheese ²	1,137,950	1,093,182	1,122,522	13,137,286	0.8
Cottage cheese, curd ³	33,497	28,701	28,837	390,993	-2.8
Cottage cheese, creamed ⁴	31,956	27,025	28,427	357,862	1.4
Cottage cheese, lowfat ⁵	27,922	24,008	23,879	327,656	-4.2
Sour cream	133,327	129,107	129,089	1,424,315	1.7
Yogurt, plain and flavored	357,352	319,314	348,859	4,377,803	-1.7

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

² Excludes cottage cheese.

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

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

Dairy Products Production by Product and Month – United States: 2020

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	103	204,937	194,746	200,040	227,200
Cheese					
American types	254	442,207	414,155	446,423	446,525
Cheddar	236	323,344	296,659	314,114	330,119
Other American ¹	144	118,863	117,496	132,309	116,406
Blue and Gorgonzola	46	7,147	7,047	7,230	3,131
Brick	18	121	77	105	182
Cream and Neufchatel	29	83,714	68,351	76,471	63,071
Feta	42	12,254	11,893	12,930	7,473
Gouda	85	4,636	4,914	4,242	3,231
Hispanic	60	28,068	26,950	31,839	28,953
Italian types	199	488,692	445,765	485,546	447,648
Mozzarella	124	384,730	352,735	386,397	353,043
Parmesan	45	38,904	35,617	34,337	37,774
Provolone	36	30,812	28,090	29,698	26,762
Ricotta	55	22,546	19,134	23,777	19,610
Romano	29	4,833	4,246	4,598	5,307
Other Italian types	56	6,867	5,943	6,739	5,152
Muenster	42	14,915	14,683	16,579	13,391
Swiss	64	28,379	26,766	27,396	25,754
All other types	218	14,635	12,306	12,685	12,600
Total cheese ²	543	1,124,768	1,032,907	1,121,446	1,051,959
Cottage cheese, curd ³	52	31,028	28,977	33,225	33,349
Cottage cheese, creamed ⁴	53	27,957	26,723	31,391	31,530
Cottage cheese, lowfat ⁵	49	26,533	24,575	27,979	26,753
Sour cream	102	120,042	104,435	115,545	110,956
Yogurt, plain and flavored	156	355,942	380,263	438,213	361,848

See footnote(s) at end of table.

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

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	172,343	149,135	152,947	150,921	150,709
Cheese					
American types	441,148	431,782	453,096	445,137	432,114
Cheddar	315,704	302,960	322,775	323,153	303,253
Other American ¹	125,444	128,822	130,321	121,984	128,861
Blue and Gorgonzola	4,434	6,966	7,710	8,646	6,677
Brick	209	164	105	146	137
Cream and Neufchatel	76,750	94,387	90,069	91,402	92,527
Feta	10,090	11,372	14,479	13,765	13,477
Gouda	2,703	3,674	3,918	2,939	2,838
Hispanic	29,871	30,969	29,475	28,119	29,938
Italian types	482,323	485,761	454,998	445,538	469,823
Mozzarella	379,446	389,307	364,832	355,527	371,610
Parmesan	35,179	29,904	29,991	31,273	34,035
Provolone	33,655	35,309	31,853	27,450	31,047
Ricotta	22,703	20,726	18,556	21,249	22,286
Romano	4,768	4,420	4,413	3,926	3,976
Other Italian types	6,572	6,095	5,353	6,113	6,869
Muenster	17,979	17,179	16,214	14,389	16,115
Swiss	24,242	26,314	26,340	28,424	27,438
All other types	11,462	13,030	13,711	13,041	13,151
Total cheese ²	1,101,211	1,121,598	1,110,115	1,091,546	1,104,235
Cottage cheese, curd ³	30,987	30,864	32,906	31,733	34,376
Cottage cheese, creamed ⁴	31,032	29,649	31,016	30,517	33,831
Cottage cheese, lowfat ⁵	24,688	24,951	27,393	25,885	26,719
Sour cream	135,931	121,733	112,681	117,149	120,885
Yogurt, plain and flavored	373,099	398,683	365,149	382,228	391,449

See footnote(s) at end of table.

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

Products	October	November	December	Total	2020 as percent of 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	161,980	172,899	207,529	2,145,386	7.6
Cheese					
American types ¹	460,217	449,783	474,946	5,337,533	2.0
Cheddar	325,354	321,553	349,162	3,828,150	2.4
Other American	134,863	128,230	125,784	1,509,383	0.9
Blue and Gorgonzola	6,530	5,646	4,918	76,082	-19.7
Brick	143	119	109	1,617	-19.7
Cream and Neufchatel	91,338	94,664	88,646	1,011,390	8.2
Feta	12,583	8,274	8,938	137,528	5.8
Gouda	3,810	4,058	3,864	44,827	-8.0
Hispanic	29,092	26,589	27,561	347,424	4.3
Italian types	473,294	454,904	490,878	5,625,170	-0.8
Mozzarella	371,411	358,817	382,737	4,450,592	-1.0
Parmesan	35,822	33,825	42,139	418,800	1.6
Provolone	32,403	29,199	30,165	366,443	-4.6
Ricotta	22,985	21,952	23,349	258,873	5.8
Romano	3,950	4,458	5,707	54,602	-0.1
Other Italian types	6,723	6,653	6,781	75,860	-5.8
Muenster	16,699	16,636	13,676	188,455	-4.3
Swiss	28,070	27,985	27,793	324,901	-4.0
All other types	15,087	13,634	13,154	158,496	1.9
Total cheese ²	1,136,863	1,102,292	1,154,483	13,253,423	0.9
Cottage cheese, curd ³	33,867	27,989	29,688	378,989	-3.1
Cottage cheese, creamed ⁴	32,294	27,508	29,258	362,706	1.4
Cottage cheese, lowfat ⁵	27,540	22,228	23,495	308,739	-5.8
Sour cream	138,408	130,353	132,789	1,460,907	2.6
Yogurt, plain and flavored	386,630	326,611	358,291	4,518,406	3.2

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

² Excludes cottage cheese.

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

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

Ice Cream Production by Product and Month – United States: 2019

Products	Plants	January	February	March	April
	(number)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	(NA)	66,765	65,697	80,721	80,184
Ice cream, regular, hard	407	53,068	53,410	65,951	64,739
Ice cream, lowfat, total ¹	(NA)	34,316	36,526	43,495	45,725
Ice cream, lowfat, hard	112	17,637	18,971	22,369	23,194
Ice cream, lowfat, soft	(NA)	16,679	17,555	21,126	22,531
Ice cream, nonfat, total	(NA)	781	861	1,148	967
Ice cream, nonfat, hard	40	466	581	800	632
Sherbet, total	(NA)	3,581	3,655	4,140	4,178
Sherbet, hard	131	2,563	2,740	3,357	3,151
Yogurt, total	(NA)	3,829	5,316	5,328	4,774
Yogurt, regular and lowfat, hard	87	1,139	1,177	1,581	1,408
Yogurt, nonfat, hard	41	237	462	445	562
Other frozen dairy products ²	53	1,675	1,722	2,825	1,686
Water and juice ices ²	104	4,187	5,277	6,704	6,778
Mix for frozen products					
Ice cream, regular, mix	263	36,611	33,346	40,592	41,344
Ice cream, lowfat, mix ³	161	18,001	18,422	22,687	24,725
Ice cream, nonfat, mix	42	473	489	615	446
Sherbet mix	106	1,684	1,962	2,274	2,082
Yogurt mix	98	2,210	2,419	2,685	2,578

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2019 (continued)

Products	May	June	July	August	September
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	84,335	80,891	81,793	79,646	71,810
Ice cream, regular, hard	67,428	64,922	64,912	64,301	58,172
Ice cream, lowfat, total ¹	48,904	45,174	44,400	42,463	37,737
Ice cream, lowfat, hard	24,680	22,028	21,291	20,596	19,478
Ice cream, lowfat, soft	24,224	23,146	23,109	21,867	18,259
Ice cream, nonfat, total	876	945	788	907	645
Ice cream, nonfat, hard	588	684	557	600	447
Sherbet, total	4,410	4,448	4,022	3,457	3,625
Sherbet, hard	3,295	3,274	2,921	2,435	2,796
Yogurt, total	5,971	5,190	4,911	7,191	4,155
Yogurt, regular and lowfat, hard	1,448	1,315	1,131	1,235	1,054
Yogurt, nonfat, hard	495	564	508	300	338
Other frozen dairy products ²	2,202	1,982	1,645	1,129	1,752
Water and juice ices ²	7,567	7,555	7,430	6,978	5,460
Mix for frozen products					
Ice cream, regular, mix	44,350	41,699	42,233	40,206	36,719
Ice cream, lowfat, mix ³	27,570	25,666	26,140	24,017	19,829
Ice cream, nonfat, mix	432	503	443	480	337
Sherbet mix	2,278	2,169	2,018	1,693	1,893
Yogurt mix	2,842	2,783	2,663	2,365	1,998

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2019 (continued)

Products	October	November	December	Total	2019 as percent of 2018
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	72,231	57,823	57,320	879,216	3.2
Ice cream, regular, hard	58,533	46,917	47,041	709,394	-2.3
Ice cream, lowfat, total ¹	37,159	29,519	28,453	473,871	3.0
Ice cream, lowfat, hard	19,178	14,826	14,068	238,316	17.1
Ice cream, lowfat, soft	17,981	14,693	14,385	235,555	-8.2
Ice cream, nonfat, total	762	561	612	9,853	-13.8
Ice cream, nonfat, hard	546	417	444	6,762	-10.4
Sherbet, total	3,517	2,788	2,627	44,448	16.2
Sherbet, hard	2,539	2,114	2,102	33,287	-5.9
Yogurt, total	4,038	3,541	2,677	56,921	3.4
Yogurt, regular and lowfat, hard	865	1,026	972	14,351	-17.1
Yogurt, nonfat, hard	376	316	267	4,870	-11.6
Other frozen dairy products ²	1,319	582	1,119	19,638	-13.7
Water and juice ices ²	5,304	4,790	3,843	71,873	7.0
Mix for frozen products					
Ice cream, regular, mix	36,963	29,030	29,553	452,646	6.5
Ice cream, lowfat, mix ³	19,286	15,011	14,592	255,946	5.4
Ice cream, nonfat, mix	405	310	294	5,227	-15.0
Sherbet mix	1,754	1,493	1,434	22,734	-3.7
Yogurt mix	1,890	1,569	1,479	27,481	-10.3

(NA) Not available.

¹ Includes freezer-made milkshake.

² Plant count does not include counter-freezers.

³ Includes milkshake mix.

Ice Cream Production by Product and Month – United States: 2020

Products	Plants	January	February	March	April
	(number)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	(NA)	65,705	65,996	76,252	76,909
Ice cream, regular, hard	401	54,775	55,045	64,287	63,439
Ice cream, lowfat, total ¹	(NA)	33,533	37,999	42,867	39,368
Ice cream, lowfat, hard	108	16,428	19,365	23,216	20,731
Ice cream, lowfat, soft	(NA)	17,105	18,634	19,651	18,637
Ice cream, nonfat, total	(NA)	650	727	971	773
Ice cream, nonfat, hard	31	361	443	618	467
Sherbet, total	(NA)	2,640	3,205	3,022	2,660
Sherbet, hard	130	2,386	2,840	2,721	2,425
Yogurt, total	(NA)	2,818	3,223	3,602	2,570
Yogurt, regular and lowfat, hard	76	1,178	957	1,515	1,341
Yogurt, nonfat, hard	35	183	313	249	97
Other frozen dairy products ²	52	785	1,610	1,110	1,105
Water and juice ices ²	106	4,261	4,800	6,069	5,510
Mix for frozen products					
Ice cream, regular, mix	254	33,713	33,708	38,792	42,244
Ice cream, lowfat, mix ³	151	17,773	19,187	20,983	19,294
Ice cream, nonfat, mix	35	376	378	466	412
Sherbet mix	102	1,655	1,994	1,890	1,641
Yogurt mix	89	1,708	1,865	2,081	1,153

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2020 (continued)

Products	May	June	July	August	September
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Frozen products					
Ice cream, regular, total	78,784	89,202	89,795	85,291	81,150
Ice cream, regular, hard	64,598	72,777	73,592	70,473	68,194
Ice cream, lowfat, total ¹	45,133	47,269	45,547	45,371	41,756
Ice cream, lowfat, hard	22,585	23,616	22,484	23,681	22,589
Ice cream, lowfat, soft	22,548	23,653	23,063	21,690	19,167
Ice cream, nonfat, total	685	1,017	772	973	777
Ice cream, nonfat, hard	407	607	429	554	425
Sherbet, total	2,512	3,709	3,623	3,866	3,317
Sherbet, hard	2,328	3,246	3,210	3,416	2,962
Yogurt, total	2,623	3,440	3,564	3,231	3,156
Yogurt, regular and lowfat, hard	1,506	1,394	1,486	1,300	1,275
Yogurt, nonfat, hard	140	281	359	389	305
Other frozen dairy products ²	1,051	1,146	1,263	1,403	1,367
Water and juice ices ²	6,330	6,858	7,144	6,336	5,717
Mix for frozen products					
Ice cream, regular, mix	42,364	47,705	48,065	44,609	42,623
Ice cream, lowfat, mix ³	24,834	26,576	26,292	24,766	21,705
Ice cream, nonfat, mix	354	496	393	462	358
Sherbet mix	1,599	2,262	2,185	2,302	2,077
Yogurt mix	1,246	1,852	1,713	1,846	1,680

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2020 (continued)

Products	October	November	December	Total	2020 as percent of 2019
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	75,932	65,282	63,274	913,572	3.9
Ice cream, regular, hard	63,264	54,826	53,441	758,711	7.0
Ice cream, lowfat, total ¹	38,173	33,279	32,167	482,462	1.8
Ice cream, lowfat, hard	20,217	18,213	16,915	250,040	4.9
Ice cream, lowfat, soft	17,956	15,066	15,252	232,422	-1.3
Ice cream, nonfat, total	943	565	681	9,534	-3.2
Ice cream, nonfat, hard	579	372	410	5,672	-16.1
Sherbet, total	3,246	2,565	3,260	37,625	-15.4
Sherbet, hard	2,882	2,300	2,816	33,532	0.7
Yogurt, total	2,483	2,130	2,636	35,476	-37.7
Yogurt, regular and lowfat, hard	1,104	1,206	1,142	15,404	7.3
Yogurt, nonfat, hard	225	193	274	3,008	-38.2
Other frozen dairy products ²	1,428	1,288	1,082	14,638	-25.5
Water and juice ices ²	5,152	4,562	3,911	66,650	-7.3
Mix for frozen products					
Ice cream, regular, mix	39,813	35,558	32,769	481,963	6.5
Ice cream, lowfat, mix ³	19,337	17,034	16,746	254,527	-0.6
Ice cream, nonfat, mix	490	315	552	5,052	-3.3
Sherbet mix	1,957	1,650	1,950	23,162	1.9
Yogurt mix	1,285	1,045	1,414	18,888	-31.3

(NA) Not available.

¹ Includes freezer-made milkshake.

² Plant count does not include counter-freezers.

³ Includes milkshake mix.

Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2019

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	14	10,951	10,482	10,987	11,821
Dry whey products					
Dry whey, human	31	80,873	74,713	76,090	73,801
Dry whey, animal	23	1,892	1,433	1,288	1,197
Dry whey, total	(NA)	82,765	76,146	77,378	74,998
Reduced lactose and minerals					
Human	3	2,603	1,960	1,688	2,061
Animal	3	3,321	2,675	3,074	2,811
Whey protein concentrate					
Human ²	51	42,376	37,688	41,423	40,028
Animal ²	19	1,495	863	603	611
Total ²	(NA)	43,871	38,551	42,026	40,639
25.0-49.9 percent ³	23	18,226	14,560	14,502	15,949
50.0-89.9 percent ³	39	25,645	23,991	27,524	24,690
Whey protein isolates ⁴	20	11,737	10,183	10,151	9,460
Lactose, human and animal	33	112,832	98,231	114,157	108,057
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	77,505	84,757	82,920	74,805
Dry whey, animal	(NA)	1,555	1,686	1,087	1,097
Dry whey, total	(NA)	79,060	86,443	84,007	75,902
Reduced lactose and minerals					
Human and animal ⁶	(NA)	5,013	5,008	5,161	5,702
Whey protein concentrate					
Human ²	(NA)	61,321	62,612	60,417	57,516
Animal ²	(NA)	1,335	1,198	897	859
Total ²	(NA)	62,656	63,810	61,314	58,375
25.0-49.9 percent ³	(NA)	27,783	29,077	26,672	24,209
50.0-89.9 percent ³	(NA)	34,873	34,733	34,642	34,166
Whey protein isolates ⁴	(NA)	22,773	20,745	20,441	20,107
Lactose, human and animal	(NA)	106,914	104,141	105,663	117,023
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	18.9	17.9	18.5	19.4

See footnote(s) at end of table.

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**Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States:
2019 (continued)**

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	12,086	10,752	10,359	9,816	8,511
Dry whey products					
Dry whey, human	77,939	81,722	80,892	83,767	89,602
Dry whey, animal	1,151	1,254	2,014	1,130	1,025
Dry whey, total	79,090	82,976	82,906	84,897	90,627
Reduced lactose and minerals					
Human	1,520	1,696	1,767	1,725	2,247
Animal	3,054	2,921	2,736	2,695	2,718
Whey protein concentrate					
Human ²	41,655	38,840	38,464	38,590	38,305
Animal ²	256	676	1,338	1,313	1,763
Total ²	41,911	39,516	39,802	39,903	40,068
25.0-49.9 percent ³	14,877	13,628	15,058	14,648	15,755
50.0-89.9 percent ³	27,034	25,888	24,744	25,255	24,313
Whey protein isolates ⁴	10,257	10,564	9,754	9,423	9,951
Lactose, human and animal	109,722	107,903	106,989	94,974	95,488
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	64,970	67,246	65,500	70,615	79,975
Dry whey, animal	979	1,068	2,135	1,998	2,621
Dry whey, total	65,949	68,314	67,635	72,613	82,596
Reduced lactose and minerals					
Human and animal ⁶	5,437	5,697	5,148	5,097	5,016
Whey protein concentrate					
Human ²	59,153	56,241	60,015	59,506	64,168
Animal ²	516	1,050	958	1,144	1,511
Total ²	59,669	57,291	60,973	60,650	65,679
25.0-49.9 percent ³	24,015	21,375	22,030	21,309	22,926
50.0-89.9 percent ³	35,654	35,916	38,943	39,341	42,753
Whey protein isolates ⁴	21,860	18,571	18,387	19,229	18,499
Lactose, human and animal	126,522	117,096	114,247	113,736	112,587
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	22.1	21.6	24.3	19.6	22.4

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2019 (continued)

Products	October	November	December	Total	2019 as percent of 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	9,633	10,653	10,215	126,266	15.6
Dry whey products					
Dry whey, human	89,778	73,920	78,695	961,792	-2.0
Dry whey, animal	1,065	1,191	1,126	15,766	-10.9
Dry whey, total	90,843	75,111	79,821	977,558	-2.2
Reduced lactose and minerals					
Human	1,511	1,365	1,640	21,783	-0.8
Animal	2,809	2,840	2,850	34,504	-1.4
Whey protein concentrate					
Human ²	39,428	39,863	42,585	479,245	-5.6
Animal ²	1,244	833	521	11,516	91.0
Total ²	40,672	40,696	43,106	490,761	-4.5
25.0-49.9 percent ³	13,979	14,212	16,021	181,415	-9.0
50.0-89.9 percent ³	26,693	26,484	27,085	309,346	-1.7
Whey protein isolates ⁴	9,675	9,321	9,422	119,898	-1.4
Lactose, human and animal	96,493	88,375	93,634	1,226,855	5.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	77,952	77,988	70,509	(X)	(X)
Dry whey, animal	1,504	1,063	858	(X)	(X)
Dry whey, total	79,456	79,051	71,367	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	4,908	4,292	4,070	(X)	(X)
Whey protein concentrate					
Human ²	64,996	67,006	65,892	(X)	(X)
Animal ²	1,387	815	621	(X)	(X)
Total ²	66,383	67,821	66,513	(X)	(X)
25.0-49.9 percent ³	22,593	24,530	26,576	(X)	(X)
50.0-89.9 percent ³	43,790	43,291	39,937	(X)	(X)
Whey protein isolates ⁴	16,875	17,650	16,379	(X)	(X)
Lactose, human and animal	108,511	116,469	110,652	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	18.5	13.6	19.9	(X)	(X)

(NA) Not available.

(X) Not applicable.

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, FOB plant. Average monthly prices reported by firms.

Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2020

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	11	9,937	8,931	9,433	9,395
Dry whey products					
Dry whey, human	27	83,649	75,067	82,082	73,996
Dry whey, animal	22	1,704	2,070	1,400	1,828
Dry whey, total	(NA)	85,353	77,137	83,482	75,824
Reduced lactose and minerals					
Human	3	2,081	1,549	2,344	1,464
Animal	3	3,100	3,101	3,411	2,977
Whey protein concentrate					
Human ²	50	40,602	35,105	38,927	36,479
Animal ²	20	748	382	1,167	862
Total ²	(NA)	41,350	35,487	40,094	37,341
25.0-49.9 percent ³	21	15,991	13,819	15,942	14,224
50.0-89.9 percent ³	39	25,359	21,668	24,152	23,117
Whey protein isolates ⁴	17	9,555	9,022	10,276	9,555
Lactose, human and animal	29	84,665	84,265	94,831	88,674
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	62,466	75,033	73,833	76,014
Dry whey, animal	(NA)	808	755	711	1,022
Dry whey, total	(NA)	63,274	75,788	74,544	77,036
Reduced lactose and minerals					
Human and animal ⁶	(NA)	4,623	4,674	4,989	5,186
Whey protein concentrate					
Human ²	(NA)	65,478	63,157	64,445	62,257
Animal ²	(NA)	1,050	605	860	1,048
Total ²	(NA)	66,528	63,762	65,305	63,305
25.0-49.9 percent ³	(NA)	27,320	26,468	26,814	25,717
50.0-89.9 percent ³	(NA)	39,208	37,294	38,491	37,588
Whey protein isolates ⁴	(NA)	15,261	15,393	15,233	14,630
Lactose, human and animal	(NA)	100,648	100,285	100,557	96,709
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	15.9	20.8	21.9	23.2

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2020 (continued)

Products	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)	September (1,000 pounds)
Production					
Condensed whey, solids content ¹					
Sweet type, human	9,164	9,032	9,075	9,394	8,785
Dry whey products					
Dry whey, human	82,739	80,141	81,068	76,881	75,610
Dry whey, animal	1,370	1,572	1,548	1,839	1,344
Dry whey, total	84,109	81,713	82,616	78,720	76,954
Reduced lactose and minerals					
Human	2,123	2,155	1,816	1,062	1,809
Animal	2,932	2,937	2,743	2,644	2,809
Whey protein concentrate					
Human ²	38,119	39,911	39,282	39,681	40,511
Animal ²	955	278	373	380	477
Total ²	39,074	40,189	39,655	40,061	40,988
25.0-49.9 percent ³	14,854	15,365	14,904	14,742	14,722
50.0-89.9 percent ³	24,220	24,824	24,751	25,319	26,266
Whey protein isolates ⁴	10,823	10,160	9,725	9,208	8,946
Lactose, human and animal	90,928	102,804	99,916	95,837	93,454
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	85,351	84,688	86,157	87,023	78,871
Dry whey, animal	889	973	1,239	1,010	1,068
Dry whey, total	86,240	85,661	87,396	88,033	79,939
Reduced lactose and minerals					
Human and animal ⁶	5,874	6,522	6,556	6,565	6,337
Whey protein concentrate					
Human ²	64,410	64,893	64,807	66,683	63,965
Animal ²	1,336	950	696	643	734
Total ²	65,746	65,843	65,503	67,326	64,699
25.0-49.9 percent ³	24,362	24,582	24,231	24,905	24,013
50.0-89.9 percent ³	41,384	41,261	41,272	42,421	40,686
Whey protein isolates ⁴	16,511	16,383	18,195	16,173	15,241
Lactose, human and animal	96,765	96,473	97,687	107,746	105,022
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	29.1	23.3	20.6	21.0	18.4

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2020 (continued)

Products	October	November	December	Total	2020 as percent of 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	8,678	8,654	8,491	108,969	-13.7
Dry whey products					
Dry whey, human	74,000	66,887	80,122	932,242	-3.1
Dry whey, animal	1,148	1,765	1,179	18,767	19.0
Dry whey, total	75,148	68,652	81,301	951,009	-2.7
Reduced lactose and minerals					
Human	2,416	1,614	1,672	22,105	1.5
Animal	3,070	2,929	2,715	35,368	2.5
Whey protein concentrate					
Human ²	40,547	38,165	42,350	469,679	-2.0
Animal ²	424	1,146	787	7,979	-30.7
Total ²	40,971	39,311	43,137	477,658	-2.7
25.0-49.9 percent ³	16,368	13,890	16,611	181,432	-
50.0-89.9 percent ³	24,603	25,421	26,526	296,226	-4.2
Whey protein isolates ⁴	10,466	8,316	10,941	116,993	-2.4
Lactose, human and animal	86,843	85,542	95,013	1,102,772	-10.1
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	67,986	66,461	64,927	(X)	(X)
Dry whey, animal	1,114	1,064	691	(X)	(X)
Dry whey, total	69,100	67,525	65,618	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	6,710	6,444	7,152	(X)	(X)
Whey protein concentrate					
Human ²	61,786	62,266	61,956	(X)	(X)
Animal ²	797	1,082	903	(X)	(X)
Total ²	62,583	63,348	62,859	(X)	(X)
25.0-49.9 percent ³	25,447	26,228	26,528	(X)	(X)
50.0-89.9 percent ³	37,136	37,120	36,331	(X)	(X)
Whey protein isolates ⁴	14,099	14,292	15,073	(X)	(X)
Lactose, human and animal	104,707	111,833	123,021	(X)	(X)
	(cents per pounds)	(cents per pounds)	(cents per pounds)	(cents per pounds)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	21.6	29.3	27.8	(X)	(X)

- Represents zero.

(NA) Not available.

(X) Not applicable.

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, FOB plant. Average monthly prices reported by firms.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2019

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	7	15,982	6,339	9,995	8,284
Skim, unsweetened	42	115,847	121,792	132,299	127,417
Whole, sweetened	5	14,665	10,885	11,551	19,246
Whole, unsweetened	9	12,576	5,600	6,956	5,057
Condensed or evaporated buttermilk	16	11,741	10,755	12,411	11,976
Canned milk					
Evaporated and condensed whole ¹	9	39,052	29,498	32,906	35,539
Evaporated skim	6	3,054	1,483	1,840	706
Dry milk products					
Dry buttermilk, total	23	13,521	9,668	9,979	10,239
Dry skim milk, animal	24	547	534	1,121	618
Dry whole milk	13	12,504	9,445	18,470	18,465
Milk protein concentrate, total ²	15	13,096	14,790	14,405	15,879
Nonfat dry milk, human	55	177,280	153,417	161,829	167,758
Skim milk powder, total ³	19	36,153	33,901	48,274	46,244
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	44,172	40,500	46,903	51,304
Dry milk products					
Dry buttermilk, total	(NA)	20,977	20,446	19,052	16,485
Dry skim milk, animal	(NA)	15,676	9,928	4,362	2,637
Dry whole milk	(NA)	17,772	18,329	30,318	38,146
Nonfat dry milk, human	(NA)	286,941	310,378	289,892	278,325
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	9,368	8,768	10,433	14,922
Dry skim milk, animal	(NA)	1,820	1,711	951	1,025
Dry whole milk	(NA)	10,204	8,041	14,638	16,798
Nonfat dry milk, human	(NA)	154,660	126,000	173,109	174,532
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	91.5	89.8	90.5	71.2
Dry skim milk, animal	(NA)	76.0	76.6	68.7	71.9
Dry whole milk	(NA)	157.3	165.0	174.9	131.3

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2019 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	9,657	9,281	12,964	9,030	10,086
Skim, unsweetened	137,800	135,261	126,132	116,869	114,691
Whole, sweetened	12,962	11,172	11,442	12,096	9,781
Whole, unsweetened	4,937	4,622	4,320	5,413	5,352
Condensed or evaporated buttermilk	12,806	10,424	6,570	7,211	6,748
Canned milk					
Evaporated and condensed whole ¹	25,649	22,960	35,959	35,062	39,929
Evaporated skim	386	1,628	2,623	2,321	4,734
Dry milk products					
Dry buttermilk, total	10,108	8,354	9,857	8,047	8,847
Dry skim milk, animal	949	750	811	717	544
Dry whole milk	17,955	13,392	8,573	7,652	7,603
Milk protein concentrate, total ²	17,029	19,707	8,677	9,049	10,619
Nonfat dry milk, human	173,666	157,948	172,329	132,525	117,806
Skim milk powder, total ³	26,604	52,062	46,708	60,768	58,764
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	59,501	57,811	65,613	71,566	64,708
Dry milk products					
Dry buttermilk, total	15,868	14,026	14,155	13,819	13,884
Dry skim milk, animal	1,875	3,417	3,820	3,628	3,135
Dry whole milk	41,473	39,884	34,705	24,953	21,782
Nonfat dry milk, human	290,092	291,181	292,077	269,590	250,846
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	9,311	9,357	8,216	8,254	6,843
Dry skim milk, animal	1,430	998	1,625	1,597	1,742
Dry whole milk	11,167	13,276	11,496	19,144	12,569
Nonfat dry milk, human	157,845	141,846	173,434	143,556	127,063
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	93.1	83.8	98.7	97.3	92.0
Dry skim milk, animal	73.0	63.3	80.6	86.6	84.6
Dry whole milk	166.0	172.9	173.8	172.2	163.3

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2019 (continued)

Products	October	November	December	Total	2019 as percent of 2018
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	9,866	8,132	8,921	118,537	-1.9
Skim, unsweetened	114,087	92,749	97,622	1,432,566	-2.4
Whole, sweetened	12,146	12,633	10,313	148,892	2.9
Whole, unsweetened	8,947	4,887	1,119	69,786	-3.5
Condensed or evaporated buttermilk	6,537	6,884	6,306	110,369	-10.2
Canned milk					
Evaporated and condensed whole ¹	42,207	44,613	33,849	417,223	1.1
Evaporated skim	5,282	4,758	1,808	30,623	102.2
Dry milk products					
Dry buttermilk, total	8,905	8,883	11,850	118,258	0.2
Dry skim milk, animal	710	8,057	791	16,149	15.2
Dry whole milk	8,130	9,856	8,920	140,965	-2.2
Milk protein concentrate, total ²	13,529	10,310	14,693	161,783	9.8
Nonfat dry milk, human	132,716	138,967	164,869	1,851,110	4.1
Skim milk powder, total ³	47,386	50,955	64,893	572,712	2.2
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	51,562	42,231	35,948	(X)	(X)
Dry milk products					
Dry buttermilk, total	12,413	15,014	17,426	(X)	(X)
Dry skim milk, animal	6,521	15,491	12,572	(X)	(X)
Dry whole milk	18,701	15,917	12,113	(X)	(X)
Nonfat dry milk, human	217,923	220,346	247,428	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	9,357	6,362	8,570	(X)	(X)
Dry skim milk, animal	1,793	1,923	2,331	(X)	(X)
Dry whole milk	8,843	15,585	13,337	(X)	(X)
Nonfat dry milk, human	151,222	140,526	125,424	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	97.5	106.0	100.1	(X)	(X)
Dry skim milk, animal	62.5	78.4	68.7	(X)	(X)
Dry whole milk	171.3	169.4	175.3	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Combined to avoid disclosing individual plant operations.

² Dry milk protein concentrate, 40.0-89.9 percent.

³ Includes protein standardized and blends.

⁴ Stocks held by manufacturers at all points and in transit.

⁵ For dry products, shipments of bulk goods.

⁶ Prices for bulk goods, FOB plant. Average monthly prices reported by firms, weighted by shipments of each firm.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2020

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	5	11,125	8,715	9,464	6,251
Skim, unsweetened	42	104,171	120,260	129,111	126,221
Whole, sweetened	7	24,003	11,447	10,307	6,453
Whole, unsweetened	7	1,521	4,755	4,366	3,729
Condensed or evaporated buttermilk	17	8,059	11,202	13,244	10,939
Canned milk					
Evaporated and condensed whole ¹	7	37,799	32,666	37,877	50,438
Evaporated skim	5	1,675	1,918	2,044	4,426
Dry milk products					
Dry buttermilk, total	22	12,983	13,370	13,457	10,520
Dry skim milk, animal	25	903	9,199	920	650
Dry whole milk	13	8,839	11,352	11,056	14,238
Milk protein concentrate, total ²	13	20,673	21,505	14,594	20,698
Nonfat dry milk, human	55	184,097	174,749	173,665	202,632
Skim milk powder, total ³	18	41,232	38,751	55,841	51,611
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	40,022	37,936	30,788	31,772
Dry milk products					
Dry buttermilk, total	(NA)	18,665	20,008	24,943	21,375
Dry skim milk, animal	(NA)	12,321	12,297	11,311	11,963
Dry whole milk	(NA)	13,481	14,018	13,462	15,239
Nonfat dry milk, human	(NA)	285,047	322,435	351,368	392,643
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	9,622	10,444	11,414	8,641
Dry skim milk, animal	(NA)	1,287	1,568	1,292	872
Dry whole milk	(NA)	8,487	12,928	11,307	13,038
Nonfat dry milk, human	(NA)	144,028	133,369	131,133	166,863
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	101.0	100.5	98.0	86.7
Dry skim milk, animal	(NA)	82.9	77.6	74.4	87.4
Dry whole milk	(NA)	184.9	176.1	209.9	191.6

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2020 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Production					
Bulk condensed milk					
Skim, sweetened	7,680	11,282	10,333	10,419	11,362
Skim, unsweetened	122,670	111,561	114,779	115,346	100,407
Whole, sweetened	8,021	10,686	11,737	11,593	11,507
Whole, unsweetened	2,507	1,298	435	1,144	1,581
Condensed or evaporated buttermilk	7,929	6,915	6,398	6,099	6,203
Canned milk					
Evaporated and condensed whole ¹	50,546	46,932	44,087	46,761	42,405
Evaporated skim	3,985	2,258	4,931	1,259	1,741
Dry milk products					
Dry buttermilk, total	12,196	8,844	8,918	7,967	7,838
Dry skim milk, animal	1,042	697	848	1,017	781
Dry whole milk	14,384	10,305	10,215	10,195	10,391
Milk protein concentrate, total ²	13,354	17,890	18,219	11,976	12,258
Nonfat dry milk, human	157,236	154,033	166,138	147,194	126,249
Skim milk powder, total ³	56,669	60,519	61,369	69,232	81,084
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	42,387	42,469	48,131	53,903	50,847
Dry milk products					
Dry buttermilk, total	23,796	23,209	22,696	20,708	19,602
Dry skim milk, animal	11,270	9,432	9,308	9,889	9,263
Dry whole milk	16,477	25,924	11,166	11,020	12,616
Nonfat dry milk, human	338,824	281,143	313,806	276,884	238,853
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	6,134	7,938	8,288	9,100	8,299
Dry skim milk, animal	796	3,064	1,782	943	1,787
Dry whole milk	12,082	13,364	12,990	10,412	12,055
Nonfat dry milk, human	206,177	197,206	137,542	175,472	148,489
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	82.7	83.3	88.4	90.5	87.9
Dry skim milk, animal	74.4	72.7	63.6	63.8	69.0
Dry whole milk	151.0	151.7	156.3	173.6	156.9

See footnote(s) at end of table.

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Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2020 (continued)

Products	October	November	December	Total	2020 as percent of 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	11,072	9,453	10,374	117,530	-0.8
Skim, unsweetened	102,010	101,907	100,477	1,348,920	-5.8
Whole, sweetened	12,561	10,252	8,578	137,145	-7.9
Whole, unsweetened	1,447	1,337	8,094	32,214	-53.8
Condensed or evaporated buttermilk	5,637	6,984	8,868	98,477	-10.8
Canned milk					
Evaporated and condensed whole ¹	54,389	52,167	49,134	545,201	30.7
Evaporated skim	1,505	4,412	1,140	31,294	2.2
Dry milk products					
Dry buttermilk, total	8,525	10,033	12,154	126,805	7.2
Dry skim milk, animal	786	659	845	18,347	13.6
Dry whole milk	12,125	12,821	12,197	138,118	-2.0
Milk protein concentrate, total ²	18,498	17,881	18,767	206,313	27.5
Nonfat dry milk, human	141,255	155,435	208,252	1,990,935	7.6
Skim milk powder, total ³	63,309	64,961	50,648	695,226	21.4
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	40,636	28,318	36,319	(X)	(X)
Dry milk products					
Dry buttermilk, total	16,505	17,186	18,850	(X)	(X)
Dry skim milk, animal	9,133	8,724	8,659	(X)	(X)
Dry whole milk	13,801	15,013	16,871	(X)	(X)
Nonfat dry milk, human	235,547	248,922	287,855	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	9,963	10,054	11,627	(X)	(X)
Dry skim milk, animal	2,050	811	1,963	(X)	(X)
Dry whole milk	11,401	11,282	8,884	(X)	(X)
Nonfat dry milk, human	135,372	136,940	154,470	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	86.8	91.6	89.4	(X)	(X)
Dry skim milk, animal	79.6	86.7	81.6	(X)	(X)
Dry whole milk	150.3	190.1	156.3	(X)	(X)

(NA) Not available.

(X) Not applicable.

¹ Combined to avoid disclosing individual plant operations.

² Dry milk protein concentrate, 40.0-89.9 percent.

³ Includes protein standardized and blends.

⁴ Stocks held by manufacturers at all points and in transit.

⁵ For dry products, shipments of bulk goods.

⁶ Prices for bulk goods, FOB plant. Average monthly prices reported by firms, weighted by shipments of each firm.

Total Cheese (Excluding Cottage Cheese) Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	213,166	198,977	210,604	197,806	211,358	207,079	202,594	191,418
Idaho	85,369	73,497	89,276	85,524	80,641	87,241	89,585	81,415
Illinois	5,770	5,629	6,474	4,940	4,558	4,793	4,784	5,102
Iowa	29,037	28,354	28,935	28,613	28,265	29,955	29,968	30,750
Minnesota	61,573	59,114	62,961	61,951	61,558	61,182	61,642	61,680
New Jersey	4,991	4,244	5,107	3,913	5,191	5,520	5,100	4,819
New Mexico	84,577	76,715	80,902	77,067	80,476	80,756	80,169	78,951
New York	73,961	66,184	75,306	66,224	70,882	73,830	75,244	72,196
Ohio	22,153	19,648	21,184	18,498	20,190	19,696	19,278	21,272
Oregon	18,131	17,576	19,426	18,661	19,138	18,258	19,035	18,894
Pennsylvania	40,541	31,016	37,346	35,625	34,962	35,276	35,387	37,506
South Dakota	34,523	35,950	38,296	34,237	37,654	35,741	36,456	36,950
Vermont	12,786	11,565	12,093	11,164	11,988	11,956	12,228	12,622
Wisconsin	285,438	265,446	289,239	265,490	281,193	287,982	282,440	279,800
Other States ¹	152,752	138,992	144,297	142,246	153,157	162,333	156,205	158,171
United States	1,124,768	1,032,907	1,121,446	1,051,959	1,101,211	1,121,598	1,110,115	1,091,546
Atlantic	142,421	122,146	139,928	128,981	134,507	137,845	139,480	139,211
Central	514,561	480,278	517,208	487,570	508,119	517,438	510,580	510,288
West	467,786	430,483	464,310	435,408	458,585	466,315	460,055	442,047

State and region	2020					2019		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	193,163	200,299	200,773	207,633	2,434,870	56	2,542,827	57
Idaho	87,104	85,855	83,212	85,505	1,014,224	8	1,008,066	9
Illinois	5,025	5,453	4,659	5,168	62,355	11	80,444	12
Iowa	30,622	29,633	31,130	29,960	355,222	14	333,932	11
Minnesota	58,039	64,308	61,773	65,962	741,743	11	730,412	12
New Jersey	5,570	6,077	5,073	5,584	61,189	13	57,805	14
New Mexico	79,599	83,278	78,100	81,859	962,449	4	956,501	4
New York	73,686	77,854	73,895	70,818	870,080	66	831,951	64
Ohio	21,174	21,075	19,135	21,815	245,118	18	226,811	19
Oregon	18,762	20,111	20,158	20,428	228,578	7	211,143	8
Pennsylvania	38,929	36,317	34,552	38,417	435,874	43	432,187	43
South Dakota	39,143	41,237	39,488	40,738	450,413	7	347,675	7
Vermont	12,334	12,364	12,961	13,214	147,275	37	145,151	39
Wisconsin	283,517	296,634	275,739	296,845	3,389,763	120	3,362,487	127
Other States ¹	157,568	156,368	161,644	170,537	1,854,270	128	1,869,894	131
United States	1,104,235	1,136,863	1,102,292	1,154,483	13,253,423	543	13,137,286	557
Atlantic	142,423	143,905	138,104	140,109	1,649,060	221	1,595,969	228
Central	513,197	538,546	512,516	550,567	6,160,868	226	5,998,535	230
West	448,615	454,412	451,672	463,807	5,443,495	96	5,542,782	99

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

Total American Type Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	49,655	46,739	47,746	45,443	49,077	47,659	50,067	48,308
Idaho	50,626	47,323	51,781	54,218	48,580	49,396	55,604	55,032
Iowa	19,104	17,828	17,303	16,684	16,810	17,324	19,758	18,421
Minnesota	51,273	49,400	53,771	52,587	51,557	52,096	54,949	53,260
New York	12,887	11,764	12,432	12,559	12,712	12,118	12,062	11,246
Oregon	18,004	17,473	19,297	18,538	19,011	18,135	18,906	18,774
Wisconsin	89,257	81,456	87,838	93,834	88,434	83,417	86,600	86,487
Other States ¹	151,401	142,172	156,255	152,662	154,967	151,637	155,150	153,609
United States	442,207	414,155	446,423	446,525	441,148	431,782	453,096	445,137
Atlantic	29,877	27,799	28,604	28,645	28,595	28,223	28,307	27,384
Central	221,618	207,472	223,389	229,023	219,716	215,585	225,315	221,406
West	190,712	178,884	194,430	188,857	192,837	187,974	199,474	196,347

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	45,966	50,001	48,866	51,600	581,127	15	596,433	18
Idaho	51,636	55,841	54,473	51,408	625,918	5	623,068	5
Iowa	19,101	15,930	17,312	18,363	213,938	11	203,231	8
Minnesota	47,083	53,574	51,657	53,634	624,841	8	608,253	9
New York	10,853	11,467	11,229	12,276	143,605	24	141,618	24
Oregon	18,658	20,001	20,066	20,315	227,178	5	209,856	6
Wisconsin	86,521	93,898	89,839	95,865	1,063,446	65	1,003,026	70
Other States ¹	152,296	159,505	156,341	171,485	1,857,480	121	1,846,738	125
United States	432,114	460,217	449,783	474,946	5,337,533	254	5,232,223	265
Atlantic	26,861	27,613	28,105	29,084	339,097	88	336,855	93
Central	217,031	231,777	228,099	246,224	2,686,655	126	2,600,833	128
West	188,222	200,827	193,579	199,638	2,311,781	40	2,294,535	44

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

Cheddar Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	27,675	22,214	21,489	25,580	23,751	22,654	25,815	24,172
Iowa	10,707	10,137	8,278	9,453	8,773	9,605	12,386	11,059
Minnesota	49,892	48,344	52,038	51,434	50,286	48,624	50,853	51,914
Oregon	15,205	15,654	16,000	14,384	16,292	16,654	16,519	15,974
Vermont	9,142	8,463	8,718	8,403	8,600	8,206	8,145	8,209
Wisconsin	62,877	55,886	61,863	68,069	62,331	56,420	59,325	60,331
Other States ¹	147,846	135,961	145,728	152,796	145,671	140,797	149,732	151,494
United States	323,344	296,659	314,114	330,119	315,704	302,960	322,775	323,153
Atlantic	28,569	26,270	27,138	27,429	26,890	26,503	26,799	25,793
Central	156,641	144,187	155,230	164,348	155,812	146,576	154,547	155,367
West	138,134	126,202	131,746	138,342	133,002	129,881	141,429	141,993

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	24,680	23,928	25,565	27,247	294,770	14	309,173	17
Iowa	9,643	10,067	8,318	12,724	121,150	11	106,390	8
Minnesota	46,719	52,819	50,347	52,776	606,046	7	589,695	8
Oregon	16,108	17,645	15,954	17,563	193,952	5	171,921	6
Vermont	8,174	7,888	8,342	8,600	100,890	12	101,413	12
Wisconsin	59,043	65,179	63,033	68,879	743,236	65	712,557	69
Other States ¹	138,886	147,828	149,994	161,373	1,768,106	122	1,745,604	122
United States	303,253	325,354	321,553	349,162	3,828,150	236	3,736,753	242
Atlantic	25,262	25,745	26,012	27,173	319,583	76	318,800	78
Central	144,748	161,488	161,133	179,084	1,879,161	122	1,874,549	122
West	133,243	138,121	134,408	142,905	1,629,406	38	1,543,404	42

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

Other American Varieties of Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Includes Colby, washed curd, stirred curd, Monterey, and Jack]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	21,980	24,525	26,257	19,863	25,326	25,005	24,252	24,136
Iowa	8,397	7,691	9,025	7,231	8,037	7,719	7,372	7,362
Minnesota	1,381	1,056	1,733	1,153	1,271	3,472	4,096	1,346
Wisconsin	26,380	25,570	25,975	25,765	26,103	26,997	27,275	26,156
Other States ¹	60,725	58,654	69,319	62,394	64,707	65,629	67,326	62,984
United States	118,863	117,496	132,309	116,406	125,444	128,822	130,321	121,984
Atlantic	1,308	1,529	1,466	1,216	1,705	1,720	1,508	1,591
Central	64,977	63,285	68,159	64,675	63,904	69,009	70,768	66,039
West	52,578	52,682	62,684	50,515	59,835	58,093	58,045	54,354

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	21,286	26,073	23,301	24,353	286,357	11	287,260	10
Iowa	9,458	5,863	8,994	5,639	92,788	4	96,841	4
Minnesota	364	755	1,310	858	18,795	4	18,558	5
Wisconsin	27,478	28,719	26,806	26,986	320,210	44	290,469	47
Other States ¹	70,275	73,453	67,819	67,948	791,233	81	802,342	87
United States	128,861	134,863	128,230	125,784	1,509,383	144	1,495,470	153
Atlantic	1,599	1,868	2,093	1,911	19,514	42	18,055	49
Central	72,283	70,289	66,966	67,140	807,494	79	726,284	82
West	54,979	62,706	59,171	56,733	682,375	23	751,131	22

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

Total Italian Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	143,717	132,700	140,691	135,167	142,023	136,351	129,182	122,993
Idaho	29,504	21,721	32,725	26,267	26,046	32,961	28,327	21,561
Minnesota	10,028	9,449	8,908	9,074	9,807	8,959	6,528	8,217
New Jersey	2,754	2,094	2,983	2,383	2,644	2,597	2,283	2,506
New York	30,313	28,321	32,356	28,860	30,717	28,972	28,800	29,429
Pennsylvania	23,023	21,424	21,611	22,190	23,194	20,944	20,204	21,870
Wisconsin	141,925	130,696	144,671	128,798	141,114	145,090	135,951	129,058
Other States ¹	107,428	99,360	101,601	94,909	106,778	109,887	103,723	109,904
United States	488,692	445,765	485,546	447,648	482,323	485,761	454,998	445,538
Atlantic	59,190	54,218	60,397	58,736	61,299	56,604	55,581	58,931
Central	197,244	182,923	198,781	179,040	198,339	197,622	183,692	182,581
West	232,258	208,624	226,368	209,872	222,685	231,535	215,725	204,026

State and region	2020						2019	
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	125,372	128,442	130,265	136,371	1,603,274	30	1,697,560	34
Idaho	31,083	25,280	23,302	29,468	328,245	4	315,592	4
Minnesota	10,700	10,466	9,897	12,071	114,104	5	118,317	5
New Jersey	2,886	3,089	2,947	3,106	32,272	9	31,740	10
New York	30,782	32,545	31,509	30,285	362,889	18	357,242	17
Pennsylvania	22,692	19,830	20,181	24,025	261,188	15	263,390	15
Wisconsin	136,757	139,711	128,556	143,607	1,645,934	52	1,698,934	57
Other States ¹	109,551	113,931	108,247	111,945	1,277,264	66	1,187,788	70
United States	469,823	473,294	454,904	490,878	5,625,170	199	5,670,563	212
Atlantic	61,506	59,524	59,031	62,493	707,510	75	699,139	80
Central	192,701	197,849	183,941	205,506	2,300,219	79	2,270,716	84
West	215,616	215,921	211,932	222,879	2,617,441	45	2,700,708	48

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

Mozzarella Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	132,176	122,043	131,798	124,317	131,114	128,855	119,920	114,627
Idaho	28,872	21,296	32,055	25,878	25,674	32,312	27,776	21,331
New Jersey	1,153	962	1,417	1,116	1,242	1,366	1,304	1,270
New York	16,270	14,792	16,933	15,517	15,995	13,588	14,763	14,427
Pennsylvania	19,503	18,099	18,575	18,740	18,522	16,919	16,276	17,766
Wisconsin	90,971	86,395	95,068	83,938	94,338	96,156	88,739	86,816
Other States ¹	95,785	89,148	90,551	83,537	92,561	100,111	96,054	99,290
United States	384,730	352,735	386,397	353,043	379,446	389,307	364,832	355,527
Atlantic	38,077	34,794	38,296	37,817	38,162	34,439	35,057	36,903
Central	127,699	121,628	132,528	117,061	132,193	133,277	124,875	124,493
West	218,954	196,313	215,573	198,165	209,091	221,591	204,900	194,131

State and region	2020					2019		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	116,624	119,448	121,161	125,829	1,487,912	23	1,566,228	28
Idaho	30,356	24,757	22,698	28,783	321,788	3	308,374	3
New Jersey	1,377	1,572	1,568	1,428	15,775	7	16,621	7
New York	14,915	15,126	15,560	15,245	183,131	14	188,957	15
Pennsylvania	18,713	16,723	16,711	20,040	216,587	7	223,022	7
Wisconsin	90,529	89,498	82,766	93,603	1,078,817	34	1,110,363	37
Other States ¹	99,096	104,287	98,353	97,809	1,146,582	36	1,081,011	39
United States	371,610	371,411	358,817	382,737	4,450,592	124	4,494,576	136
Atlantic	38,410	35,941	36,242	39,358	443,496	41	454,928	44
Central	128,506	130,126	121,261	132,830	1,526,477	51	1,494,033	55
West	204,694	205,344	201,314	210,549	2,480,619	32	2,545,615	37

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

Total Italian Cheese Production by Type – United States: 2019 and 2020

Type	2019	2020	2019 as percent of 2020
	(1,000 pounds)	(1,000 pounds)	(percent)
Hard			
Provolone and similars	384,050	366,443	-4.6
Romano and similars	54,634	54,602	-0.1
Parmesan and similars	412,096	418,800	1.6
Other hard	53,351	52,360	-1.9
Total hard	904,131	892,205	-1.3
Soft			
Mozzarella and similars	4,494,576	4,450,592	-1.0
Ricotta and similars	244,669	258,873	5.8
Other soft	27,187	23,500	-13.6
Total soft	4,766,432	4,732,965	-0.7
Total hard and soft	5,670,563	5,625,170	-0.8

Total Italian Cheese Production by Type – Regions and United States: 2019 and 2020

Region	Hard types		Soft types		Total	
	2019	2020	2019	2020	2019	2020
	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)
Atlantic	104,184	114,537	594,955	592,973	699,139	707,510
Central	652,599	645,688	1,618,117	1,654,531	2,270,716	2,300,219
West	147,348	131,980	2,553,360	2,485,461	2,700,708	2,617,441
United States	904,131	892,205	4,766,432	4,732,965	5,670,563	5,625,170

Miscellaneous Italian Cheese Production – States and United States: 2019 and 2020

State	Provolone		Romano		Parmesan	
	2019	2020	2019	2020	2019	2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Wisconsin	208,042	193,497	29,168	31,009	223,015	220,274
Other States ¹	176,008	172,946	25,466	23,593	189,081	198,526
United States	384,050	366,443	54,634	54,602	412,096	418,800

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

Swiss Cheese Production by Month – States and United States: 2020 and Total 2019-2020

State	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Ohio	14,314	12,747	13,165	11,492	11,824	12,382	12,976	13,460
Pennsylvania	803	737	663	380	300	534	658	668
Wisconsin	1,226	1,088	1,176	1,109	1,098	1,616	1,012	1,328
Other States ¹	12,036	12,194	12,392	12,773	11,020	11,782	11,694	12,968
United States	28,379	26,766	27,396	25,754	24,242	26,314	26,340	28,424

State	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Ohio	13,647	13,411	12,548	13,851	155,817	12	155,483	13
Pennsylvania	614	579	573	731	7,240	9	8,077	10
Wisconsin	1,220	1,271	1,320	1,559	15,023	11	16,976	10
Other States ¹	11,957	12,809	13,544	11,652	146,821	32	157,771	31
United States	27,438	28,070	27,985	27,793	324,901	64	338,307	64

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

Hispanic Cheese Production by Month – States and United States: 2020 and Total 2019-2020

State	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	12,569	11,800	15,231	12,894	14,100	14,003	13,823	12,544
Wisconsin	8,293	7,789	9,835	8,867	8,353	9,045	8,867	9,405
Other States ¹	7,206	7,361	6,773	7,192	7,418	7,921	6,785	6,170
United States	28,068	26,950	31,839	28,953	29,871	30,969	29,475	28,119

State	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	13,165	12,719	11,670	11,932	156,450	14	144,148	13
Wisconsin	9,023	9,117	7,909	8,565	105,068	19	96,838	16
Other States ¹	7,750	7,256	7,010	7,064	85,906	27	92,263	33
United States	29,938	29,092	26,589	27,561	347,424	60	333,249	62

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

Muenster Cheese Production by Month – States and United States: 2020 and Total 2019-2020

State	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	3,102	3,778	4,575	3,012	4,482	3,999	4,694	3,229
Wisconsin	5,932	5,324	5,430	5,443	6,287	5,911	4,948	5,433
Other States ¹	5,881	5,581	6,574	4,936	7,210	7,269	6,572	5,727
United States	14,915	14,683	16,579	13,391	17,979	17,179	16,214	14,389

State	2020					2019		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	4,120	4,161	4,762	3,242	47,156	4	52,086	4
Wisconsin	6,612	6,005	5,805	6,267	69,397	22	63,837	20
Other States ¹	5,383	6,533	6,069	4,167	71,902	16	80,970	16
United States	16,115	16,699	16,636	13,676	188,455	42	196,893	40

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

Processed Cheeses and Combinations Production – United States: 2011-2020

Year	Processed cheese ¹		Processed cheese foods and spreads ²	
	Plants (number)	Production (1,000 pounds)	Plants (number)	Production (1,000 pounds)
2011	26	1,183,092	25	935,978
2012	28	1,211,689	25	874,474
2013	27	1,200,849	23	822,652
2014	28	1,445,066	22	905,293
2015	26	1,488,683	27	873,337
2016	30	1,630,801	24	654,996
2017	30	1,751,137	23	596,506
2018	27	1,783,805	23	572,213
2019	27	1,600,799	24	740,656
2020	29	1,683,998	24	572,726

Year	Cold pack cheese and cheese foods ²		Total	
	Plants (number)	Production (1,000 pounds)	Plants (number)	Production (1,000 pounds)
2011	14	39,121	46	2,158,191
2012	15	44,518	48	2,130,681
2013	16	43,407	47	2,066,908
2014	15	44,205	47	2,394,564
2015	15	37,893	48	2,399,913
2016	13	30,619	47	2,316,416
2017	14	34,605	50	2,382,248
2018	14	30,443	48	2,386,461
2019	13	30,247	48	2,371,702
2020	14	34,308	47	2,291,032

¹ Processed cheese is made by pasteurizing, emulsifying, and blending natural cheese and contains no other ingredients.

² Processed cheese foods, spreads, and cold pack contain additional ingredients such as nonfat milk solids, condiments, etc. These data exclude spreads made from Neufchatel and Cream Cheese.

Lowfat Cottage Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Fat content less than 4 percent]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Colorado	823	664	671	511	485	447	440	514
New York	8,055	8,554	8,890	8,584	7,092	8,177	8,352	7,609
Ohio	1,833	1,700	2,340	2,365	1,960	1,716	2,183	2,139
Other States ¹	15,822	13,657	16,078	15,293	15,151	14,611	16,418	15,623
United States	26,533	24,575	27,979	26,753	24,688	24,951	27,393	25,885
Atlantic	8,452	8,901	9,291	9,140	7,431	8,635	8,807	7,990
Central	9,217	7,959	9,825	9,966	9,332	8,838	9,697	9,559
West	8,864	7,715	8,863	7,647	7,925	7,478	8,889	8,336

State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Colorado	395	420	514	387	6,271	3	8,394	3
New York	8,291	8,056	6,565	7,297	95,522	6	93,939	6
Ohio	2,096	1,737	1,423	1,612	23,104	6	14,840	6
Other States ¹	15,937	17,327	13,726	14,199	183,842	34	210,483	39
United States	26,719	27,540	22,228	23,495	308,739	49	327,656	54
Atlantic	8,678	8,319	6,902	7,602	100,148	10	98,482	11
Central	9,970	9,819	8,208	8,590	110,980	21	121,404	24
West	8,071	9,402	7,118	7,303	97,611	18	107,770	19

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

Creamed Cottage Cheese Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Fat content more than 4 percent]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Colorado	584	468	528	512	331	364	419	361
New York	7,959	8,130	8,287	9,200	8,586	8,261	8,113	8,528
Ohio	3,747	3,660	4,218	4,160	4,032	3,562	4,226	3,996
Oregon	182	190	317	335	302	316	346	340
Other States ¹	15,485	14,275	18,041	17,323	17,781	17,146	17,912	17,292
United States	27,957	26,723	31,391	31,530	31,032	29,649	31,016	30,517
Atlantic	8,630	8,917	9,160	9,760	9,440	8,992	8,944	9,166
Central	14,364	12,861	15,782	16,213	15,891	15,367	16,449	15,864
West	4,963	4,945	6,449	5,557	5,701	5,290	5,623	5,487

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
Colorado	305	364	346	307	4,889	3	6,225	3
New York	8,638	9,646	7,822	8,977	102,147	7	96,123	7
Ohio	4,948	4,342	3,932	3,633	48,456	6	37,186	6
Oregon	332	295	324	300	3,579	4	3,538	4
Other States ¹	19,608	17,647	15,084	16,041	203,635	33	214,790	34
United States	33,831	32,294	27,508	29,258	362,706	53	357,862	54
Atlantic	9,527	10,253	8,630	9,723	111,142	10	106,162	10
Central	18,830	16,574	13,848	14,676	186,719	24	182,895	25
West	5,474	5,467	5,030	4,859	64,845	19	68,805	19

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

Cottage Cheese Curd Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Mostly used for processing into fully creamed or lowfat cottage cheese. Cottage cheese curd and creamed and lowfat cottage cheese should not be added together to obtain total production]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
New York	9,266	9,230	9,641	10,348	9,298	8,898	9,384	8,755
Ohio	2,769	2,740	3,311	3,333	3,066	2,645	3,238	3,096
Oregon	178	238	319	304	304	270	315	306
Other States ¹	18,815	16,769	19,954	19,364	18,319	19,051	19,969	19,576
United States	31,028	28,977	33,225	33,349	30,987	30,864	32,906	31,733
Atlantic	10,120	10,090	10,647	11,311	10,199	9,882	10,500	9,818
Central	13,528	11,851	14,882	15,192	14,273	13,957	14,512	14,311
West	7,380	7,036	7,696	6,846	6,515	7,025	7,894	7,604

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
New York	9,340	9,467	7,959	8,545	110,131	9	108,039	9
Ohio	3,578	3,071	2,715	2,650	36,212	6	26,335	6
Oregon	319	279	270	300	3,402	4	3,444	4
Other States ¹	21,139	21,050	17,045	18,193	229,244	33	253,175	35
United States	34,376	33,867	27,989	29,688	378,989	52	390,993	54
Atlantic	10,130	10,115	8,931	9,451	121,194	14	119,215	12
Central	17,152	15,307	12,720	13,436	171,121	22	174,894	24
West	7,094	8,445	6,338	6,801	86,674	16	96,884	18

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

Sour Cream Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	14,591	12,444	14,105	11,283	15,764	15,743	14,592	14,528
New York	22,517	19,680	19,302	22,898	22,700	21,503	17,383	20,050
Ohio	24,926	22,823	25,731	21,908	28,782	25,723	24,760	26,597
Oregon	1,513	1,146	1,436	1,625	1,817	973	1,333	1,612
Pennsylvania	102	119	148	104	162	219	165	216
Other States ¹	56,393	48,223	54,823	53,138	66,706	57,572	54,448	54,146
United States	120,042	104,435	115,545	110,956	135,931	121,733	112,681	117,149
Atlantic	25,201	22,087	21,838	24,967	26,102	24,051	20,601	22,764
Central	63,352	57,291	62,080	54,866	72,111	65,650	62,313	63,455
West	31,489	25,057	31,627	31,123	37,718	32,032	29,767	30,930
State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	13,995	15,286	14,720	15,018	172,069	17	175,763	19
New York	22,458	25,497	22,304	28,141	264,433	13	269,838	14
Ohio	27,717	30,625	29,105	27,426	316,123	10	278,814	10
Oregon	1,354	1,290	2,016	1,701	17,816	5	17,732	5
Pennsylvania	206	158	185	198	1,982	6	1,580	6
Other States ¹	55,155	65,552	62,023	60,305	688,484	51	680,588	57
United States	120,885	138,408	130,353	132,789	1,460,907	102	1,424,315	111
Atlantic	25,360	28,661	25,056	31,012	297,700	29	305,453	32
Central	65,827	73,947	70,399	67,854	779,145	39	743,968	42
West	29,698	35,800	34,898	33,923	384,062	34	374,894	37

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

Butter Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	60,357	57,824	61,009	64,603	54,549	49,225	52,825	50,395
New York	2,944	2,359	2,655	3,342	2,041	1,359	762	1,066
Pennsylvania	8,701	8,071	9,458	8,737	8,120	7,560	7,983	7,588
Other States ¹	132,935	126,492	126,918	150,518	107,633	90,991	91,377	91,872
United States	204,937	194,746	200,040	227,200	172,343	149,135	152,947	150,921
Atlantic	20,725	18,953	21,739	22,267	16,732	13,512	12,518	12,054
Central	84,790	79,842	76,979	96,662	63,258	54,852	53,493	54,272
West	99,422	95,951	101,322	108,271	92,353	80,771	86,936	84,595

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	48,485	51,584	54,800	62,074	667,730	11	595,063	11
New York	1,068	2,030	1,206	3,053	23,885	12	26,468	9
Pennsylvania	6,580	8,170	8,062	8,392	97,422	7	90,764	6
Other States ¹	94,576	100,196	108,831	134,010	1,356,349	73	1,281,813	69
United States	150,709	161,980	172,899	207,529	2,145,386	103	1,994,108	95
Atlantic	12,101	14,897	14,077	18,887	198,462	45	189,180	39
Central	56,897	60,523	68,157	84,076	833,801	35	772,745	33
West	81,711	86,560	90,665	104,566	1,113,123	23	1,032,183	23

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

Yogurt (Plain and Flavored) Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	28,575	27,490	31,492	27,243	27,122	31,521	30,443	31,441
New York	58,166	60,435	70,415	58,116	59,467	60,418	59,437	63,338
Texas	3,386	3,297	3,585	3,267	3,190	3,405	3,330	3,597
Other States ¹	265,815	289,041	332,721	273,222	283,320	303,339	271,939	283,852
United States	355,942	380,263	438,213	361,848	373,099	398,683	365,149	382,228
Atlantic	107,720	108,119	123,297	103,488	103,703	111,505	104,174	108,355
Central	156,846	170,568	202,349	157,958	166,231	179,681	153,798	168,240
West	91,376	101,576	112,567	100,402	103,165	107,497	107,177	105,633
State and region	2020						2019	
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	32,279	32,296	28,283	26,721	354,906	17	373,760	20
New York	61,001	60,795	53,832	58,594	724,014	38	679,190	37
Texas	3,443	3,443	3,151	3,290	40,384	3	37,769	3
Other States ¹	294,726	290,096	241,345	269,686	3,399,102	98	3,287,084	102
United States	391,449	386,630	326,611	358,291	4,518,406	156	4,377,803	162
Atlantic	112,018	112,216	93,666	100,230	1,288,491	84	1,248,663	87
Central	172,566	162,589	138,747	160,397	1,989,970	39	1,931,791	38
West	106,865	111,825	94,198	97,664	1,239,945	33	1,197,349	37

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

**Unsweetened Condensed Skim Milk Bulk Production by Month – States, United States, and Regions:
2020 and Total 2019-2020**

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	10,091	14,495	20,533	13,560	13,005	11,384	16,147	17,682
New York	3,491	3,341	2,963	4,004	5,128	5,356	2,896	2,424
Other States ¹	90,589	102,424	105,615	108,657	104,537	94,821	95,736	95,240
United States	104,171	120,260	129,111	126,221	122,670	111,561	114,779	115,346
Atlantic	20,110	22,563	23,877	32,707	30,083	29,080	25,844	24,721
Central	60,495	57,366	57,400	55,431	61,930	55,824	57,168	57,908
West	23,566	40,331	47,834	38,083	30,657	26,657	31,767	32,717
State and region	2020						2019	
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	16,373	16,107	13,200	8,793	171,370	10	250,251	9
New York	3,822	3,420	2,156	1,977	40,978	4	98,735	5
Other States ¹	80,212	82,483	86,551	89,707	1,136,572	28	1,083,580	28
United States	100,407	102,010	101,907	100,477	1,348,920	42	1,432,566	42
Atlantic	21,392	21,335	19,308	19,272	290,292	11	332,872	12
Central	47,232	49,692	50,472	46,057	656,975	14	748,222	14
West	31,783	30,983	32,127	35,148	401,653	17	351,472	16

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

Nonfat Dry Milk (Human) Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January (1,000 pounds)	February (1,000 pounds)	March (1,000 pounds)	April (1,000 pounds)	May (1,000 pounds)	June (1,000 pounds)	July (1,000 pounds)	August (1,000 pounds)
California	72,527	77,536	72,754	92,035	58,573	56,328	64,167	47,211
Pennsylvania	16,473	16,104	15,296	17,910	16,434	13,996	15,500	13,678
Other States ¹	95,097	81,109	85,615	92,687	82,229	83,709	86,471	86,305
United States	184,097	174,749	173,665	202,632	157,236	154,033	166,138	147,194
Atlantic	32,168	29,025	27,321	31,000	29,251	28,487	30,248	26,171
Central	39,946	35,868	36,096	42,297	34,062	37,735	36,228	34,793
West	111,983	109,856	110,248	129,335	93,923	87,811	99,662	86,230
State and region	2020						2019	
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	39,324	47,797	56,781	85,512	770,545	14	661,497	13
Pennsylvania	14,741	12,892	13,208	18,051	184,283	3	181,435	4
Other States ¹	72,184	80,566	85,446	104,689	1,036,107	38	1,008,178	38
United States	126,249	141,255	155,435	208,252	1,990,935	55	1,851,110	55
Atlantic	27,495	25,233	26,820	34,984	348,203	11	360,658	12
Central	27,558	33,419	35,902	45,916	439,820	18	365,089	17
West	71,196	82,603	92,713	127,352	1,202,912	26	1,125,363	26

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

Dry Buttermilk (Total) Production by Month – States and United States: 2020 and Total 2019-2020

State	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	5,518	5,579	6,110	3,287	5,371	4,846	4,731	4,369
Other States ¹	7,465	7,791	7,347	7,233	6,825	3,998	4,187	3,598
United States	12,983	13,370	13,457	10,520	12,196	8,844	8,918	7,967

State	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
California	4,273	4,590	4,757	4,304	57,735	7	57,347	7
Other States ¹	3,565	3,935	5,276	7,850	69,070	15	60,911	16
United States	7,838	8,525	10,033	12,154	126,805	22	118,258	23

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

Dry Whey (Human) Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
New York	10,986	10,360	11,767	12,152	12,132	11,260	12,274	12,420
Wisconsin	25,532	23,618	25,703	21,705	25,099	22,459	21,626	22,102
Other States ¹	47,131	41,089	44,612	40,139	45,508	46,422	47,168	42,359
United States	83,649	75,067	82,082	73,996	82,739	80,141	81,068	76,881
Atlantic	21,579	19,902	21,543	22,462	22,628	21,204	21,627	22,280
Central	39,724	36,199	39,682	31,560	41,693	38,696	38,212	32,469
West	22,346	18,966	20,857	19,974	18,418	20,241	21,229	22,132

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(number)	(1,000 pounds)	(number)
New York	11,824	11,498	9,462	11,779	137,914	5	133,529	5
Wisconsin	22,336	21,275	20,604	28,167	280,226	8	285,831	9
Other States ¹	41,450	41,227	36,821	40,176	514,102	14	542,432	17
United States	75,610	74,000	66,887	80,122	932,242	27	961,792	31
Atlantic	21,692	21,214	19,007	22,271	257,409	8	257,040	8
Central	32,169	32,106	30,803	39,362	432,675	13	425,930	15
West	21,749	20,680	17,077	18,489	242,158	6	278,822	8

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

Ice Cream, Regular (Hard) Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Contains minimum milkfat content of 10 percent and not less than 4.5 pounds per gallon]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	5,395	5,132	6,067	5,808	6,732	7,156	6,929	6,289
Connecticut	897	1,133	1,299	1,264	1,172	1,269	1,323	1,380
Missouri	1,930	2,990	3,180	2,589	2,704	2,868	2,885	3,113
New Jersey	80	80	86	80	91	104	105	103
New York	2,574	1,787	2,057	2,555	2,352	2,432	2,720	2,477
Ohio	2,014	1,841	2,108	2,565	2,775	2,961	2,893	2,801
Oregon	986	869	1,039	1,125	1,084	1,210	1,204	1,110
Pennsylvania	3,042	3,435	3,450	3,391	3,309	3,566	3,883	4,034
Tennessee	1,873	2,070	2,067	2,389	970	2,000	2,205	2,250
Utah	1,586	1,627	2,211	2,374	1,915	2,639	3,301	3,544
Wisconsin	679	434	607	575	543	656	755	959
Other States ¹	33,719	33,647	40,116	38,724	40,951	45,916	45,389	42,413
United States	54,775	55,045	64,287	63,439	64,598	72,777	73,592	70,473
Atlantic	12,604	12,107	14,116	13,768	14,352	15,185	16,176	16,359
Central	32,614	33,508	38,852	38,507	38,348	44,583	43,696	41,188
West	9,557	9,430	11,319	11,164	11,898	13,009	13,720	12,926

State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	6,485	6,048	4,972	4,181	71,194	21	63,960	22
Connecticut	1,313	1,263	1,177	1,157	14,647	17	13,341	17
Missouri	3,162	2,720	2,228	1,362	31,731	5	33,191	5
New Jersey	95	83	81	80	1,068	28	1,088	28
New York	2,250	2,330	1,478	1,572	26,584	30	25,566	28
Ohio	2,900	2,706	2,224	2,365	30,153	29	26,819	29
Oregon	1,133	1,124	639	926	12,449	5	14,565	6
Pennsylvania	3,892	3,990	3,412	3,290	42,694	33	40,844	33
Tennessee	1,929	1,736	1,897	1,664	23,050	3	21,493	3
Utah	3,286	2,837	1,906	2,121	29,347	8	21,931	9
Wisconsin	890	938	525	526	8,087	27	9,895	28
Other States ¹	40,859	37,489	34,287	34,197	467,707	195	436,701	199
United States	68,194	63,264	54,826	53,441	758,711	401	709,394	407
Atlantic	15,683	15,352	12,900	12,693	171,295	204	159,399	201
Central	39,439	36,307	32,894	31,893	451,829	147	425,087	152
West	13,072	11,605	9,032	8,855	135,587	50	124,908	54

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

Ice Cream Mix, Regular Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	4,012	4,005	4,646	4,835	5,445	5,675	5,568	5,178
Connecticut	667	799	791	659	982	966	1,170	1,006
Illinois	2,176	2,286	2,277	5,245	2,915	3,028	3,194	3,116
Indiana	1,623	1,548	1,901	1,902	1,907	2,132	2,322	2,204
Missouri	930	1,512	1,407	1,257	1,369	1,503	1,456	1,574
New Jersey	568	260	305	199	376	526	481	393
New York	1,395	1,081	1,070	1,338	1,400	1,276	1,583	1,476
Ohio	1,004	995	1,063	1,353	1,361	1,570	1,619	1,483
Oregon	824	764	878	867	984	1,680	1,437	1,200
Pennsylvania	2,391	1,677	1,872	2,002	2,147	2,525	3,004	2,652
Wisconsin	732	638	646	756	815	879	990	1,018
Other States ¹	17,391	18,143	21,936	21,831	22,663	25,945	25,241	23,309
United States	33,713	33,708	38,792	42,244	42,364	47,705	48,065	44,609
Atlantic	8,886	7,470	8,615	8,754	9,876	10,589	11,677	11,066
Central	17,970	19,377	22,191	25,547	23,461	26,520	25,998	24,311
West	6,857	6,861	7,986	7,943	9,027	10,596	10,390	9,232
State and region	2020					2019		
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	4,505	4,242	3,622	3,082	54,815	24	50,294	27
Connecticut	1,007	983	907	802	10,739	8	10,232	8
Illinois	2,678	2,924	2,986	2,086	34,911	8	35,084	10
Indiana	1,916	1,778	1,469	1,082	21,784	8	18,251	8
Missouri	1,596	1,376	1,128	707	15,815	6	29,009	6
New Jersey	320	329	203	239	4,199	5	4,199	6
New York	1,377	1,379	945	802	15,122	16	14,597	13
Ohio	1,501	1,386	1,113	1,176	15,624	15	13,885	15
Oregon	1,001	997	614	736	11,982	7	8,076	6
Pennsylvania	2,387	2,443	3,468	2,015	28,583	19	22,080	22
Wisconsin	917	905	698	664	9,658	11	10,545	11
Other States ¹	23,418	21,071	18,405	19,378	258,731	127	236,394	131
United States	42,623	39,813	35,558	32,769	481,963	254	452,646	263
Atlantic	9,916	10,045	9,517	7,897	114,308	91	102,542	93
Central	24,302	21,647	19,714	18,611	269,649	107	264,619	112
West	8,405	8,121	6,327	6,261	98,006	56	85,485	58

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

Ice Cream, Lowfat (Total) Production by Month – States, United States and Regions: 2020 and Total 2019-2020

[Includes hard, soft-serve, and freezer-made milkshake. Contains less than 10 percent milkfat required for ice cream]

State and region	2020						
	January	February	March	April	May	June	July
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	2,399	3,214	3,211	3,734	3,549	3,720	3,931
Illinois	2,041	1,981	1,713	1,610	2,214	2,431	2,340
Ohio	1,575	1,831	1,931	1,708	1,829	1,914	1,650
Pennsylvania	602	674	766	715	947	905	779
Texas	1,105	1,036	378	810	810	840	1,375
Other States ¹	25,811	29,263	34,868	30,791	35,784	37,459	35,472
United States	33,533	37,999	42,867	39,368	45,133	47,269	45,547
Atlantic	7,381	7,939	9,537	9,287	9,098	9,303	9,643
Central	21,820	24,877	27,873	24,016	30,079	31,485	30,005
West	4,332	5,183	5,457	6,065	5,956	6,481	5,899

State and region	2020						2019
	August	September	October	November	December	Total	Total
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	4,997	4,136	3,981	3,059	2,736	42,667	39,836
Illinois	2,213	1,768	1,700	1,257	1,078	22,346	25,139
Ohio	1,840	1,669	1,425	1,132	1,229	19,733	20,170
Pennsylvania	848	732	647	578	563	8,756	8,633
Texas	896	761	809	701	612	10,133	23,939
Other States ¹	34,577	32,690	29,611	26,552	25,949	378,827	356,154
United States	45,371	41,756	38,173	33,279	32,167	482,462	473,871
Atlantic	9,076	8,477	8,803	7,059	6,944	102,547	86,367
Central	29,006	26,666	23,239	21,014	20,518	310,598	317,267
West	7,289	6,613	6,131	5,206	4,705	69,317	70,237

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

Ice Cream Mix, Lowfat Production by Month – States, United States, and Regions: 2020 and Total 2019-2020

[Includes milkshake mix]

State and region	2020							
	January (1,000 gallons)	February (1,000 gallons)	March (1,000 gallons)	April (1,000 gallons)	May (1,000 gallons)	June (1,000 gallons)	July (1,000 gallons)	August (1,000 gallons)
California	1,380	1,749	1,783	2,015	1,962	2,043	2,192	2,466
Indiana	1,192	1,261	1,319	1,162	1,476	1,399	1,496	1,782
Massachusetts	80	84	134	135	189	202	203	185
Michigan	1,139	1,404	1,526	1,863	2,607	3,126	3,197	2,601
New Jersey	220	226	410	347	432	457	473	378
Ohio	496	534	573	509	664	825	905	773
Pennsylvania	364	352	463	405	581	509	528	481
Texas	585	554	159	288	315	330	759	348
Utah	249	232	257	288	202	463	311	248
Other States ¹	12,068	12,791	14,359	12,282	16,406	17,222	16,228	15,504
United States	17,773	19,187	20,983	19,294	24,834	26,576	26,292	24,766
Atlantic	3,383	3,551	4,292	3,701	4,616	4,624	4,976	4,445
Central	12,072	12,859	13,668	12,369	16,992	18,310	17,941	16,511
West	2,318	2,777	3,023	3,224	3,226	3,642	3,375	3,810

State and region	2020					2019		
	September (1,000 gallons)	October (1,000 gallons)	November (1,000 gallons)	December (1,000 gallons)	Total (1,000 gallons)	Plants (number)	Total (1,000 gallons)	Plants (number)
California	2,020	2,035	1,593	1,439	22,677	17	21,518	19
Indiana	1,561	1,430	1,065	1,305	16,448	7	15,661	7
Massachusetts	137	119	88	70	1,626	2	1,580	3
Michigan	1,866	1,353	1,052	959	22,693	7	25,625	7
New Jersey	337	314	270	292	4,156	2	4,404	2
Ohio	593	430	270	296	6,868	11	7,730	11
Pennsylvania	442	388	468	299	5,280	10	5,211	9
Texas	302	312	266	234	4,452	6	8,515	8
Utah	297	343	371	303	3,564	4	1,571	4
Other States ¹	14,150	12,613	11,591	11,549	166,763	85	164,131	91
United States	21,705	19,337	17,034	16,746	254,527	151	255,946	161
Atlantic	3,961	4,077	3,461	3,139	48,226	42	47,783	46
Central	14,359	11,839	10,716	11,038	168,674	68	169,705	72
West	3,385	3,421	2,857	2,569	37,627	41	38,458	43

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

Sherbet (Hard) Production by Month – United States and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	2,386	2,840	2,721	2,425	2,328	3,246	3,210	3,416
Atlantic	621	747	728	625	634	690	788	714
Central	1,414	1,625	1,564	1,403	1,217	2,020	1,696	1,949
West	351	468	429	397	477	536	726	753
State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	2,962	2,882	2,300	2,816	33,532	130	33,287	131
Atlantic	623	735	548	472	7,925	54	7,903	52
Central	1,653	1,412	1,343	1,622	18,918	53	17,467	53
West	686	735	409	722	6,689	23	7,917	26

Sherbet Mix Production by Month – States, United States and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	72	139	113	91	128	114	143	188
Ohio	80	102	90	74	120	92	124	137
Pennsylvania	59	81	34	69	40	43	73	68
Texas	74	85	64	100	105	86	80	125
Utah	78	91	110	77	90	141	184	147
Wisconsin	13	7	10	14	5	11	25	10
Other States ¹	1,279	1,489	1,469	1,216	1,111	1,775	1,556	1,627
United States	1,655	1,994	1,890	1,641	1,599	2,262	2,185	2,302
Atlantic	384	484	457	406	401	448	503	478
Central	1,031	1,169	1,109	985	832	1,441	1,260	1,317
West	240	341	324	250	366	373	422	507
State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	141	152	109	117	1,507	8	1,630	8
Ohio	131	91	61	77	1,179	7	1,220	8
Pennsylvania	71	55	48	33	674	8	698	8
Texas	95	54	127	113	1,108	6	780	6
Utah	201	219	159	171	1,668	5	744	5
Wisconsin	13	6	3	10	127	4	156	4
Other States ¹	1,425	1,380	1,143	1,429	16,899	64	17,506	67
United States	2,077	1,957	1,650	1,950	23,162	102	22,734	106
Atlantic	423	480	349	303	5,116	35	5,079	35
Central	1,213	1,028	984	1,274	13,643	43	12,602	46
West	441	449	317	373	4,403	24	5,053	25

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

Frozen Yogurt Mix Production by Month – United States and Regions: 2020 and Total 2019-2020

State and region	2020						
	January	February	March	April	May	June	July
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	1,708	1,865	2,081	1,153	1,246	1,852	1,713
Atlantic	302	268	326	529	373	466	446
Central	574	638	676	397	610	692	705
West	832	959	1,079	227	263	694	562
State and region	2020						2019
	August	September	October	November	December	Total	Total
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	1,846	1,680	1,285	1,045	1,414	18,888	27,481
Atlantic	390	429	293	297	247	4,366	5,221
Central	668	757	494	461	517	7,189	8,759
West	788	494	498	287	650	7,333	13,501

Water and Juice Ices Production by Month – United States and Regions: 2020 and Total 2019-2020

[Does not include counter-freezer production]

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	4,261	4,800	6,069	5,510	6,330	6,858	7,144	6,336
Atlantic	1,460	1,836	2,123	2,226	2,712	2,941	3,207	2,653
Central	2,164	2,189	3,059	2,617	2,775	2,928	3,026	2,703
West	637	775	887	667	843	989	911	980
State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	5,717	5,152	4,562	3,911	66,650	106	71,873	104
Atlantic	1,995	1,807	1,704	1,325	25,989	52	28,593	53
Central	2,742	2,366	2,199	2,009	30,777	37	33,287	36
West	980	979	659	577	9,884	17	9,993	15

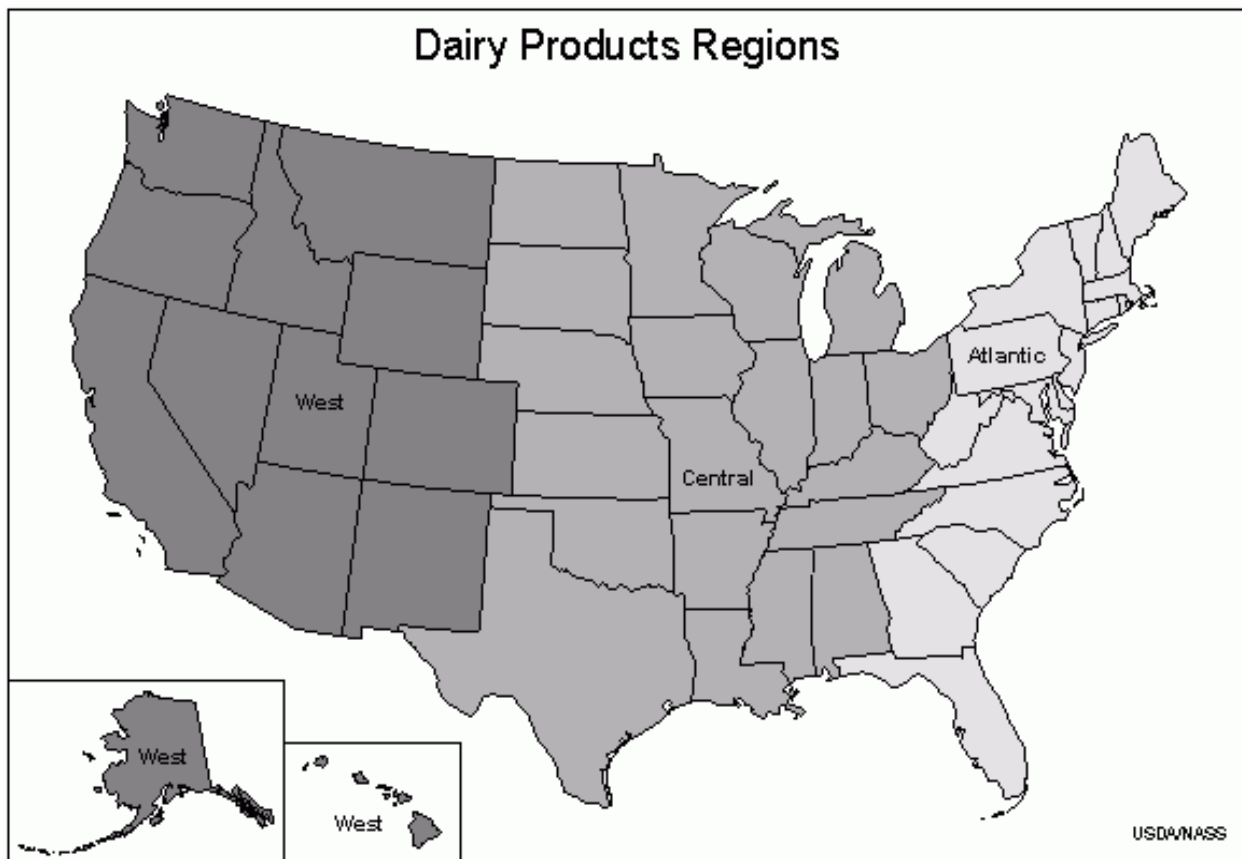
Other Frozen Dairy Products Production by Month – United States and Regions: 2020 and Total 2019-2020

State and region	2020							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	785	1,610	1,110	1,105	1,051	1,146	1,263	1,403
Atlantic	113	574	192	281	305	329	349	268
Central	521	859	747	650	571	677	637	894
West	151	177	171	174	175	140	277	241
State and region	2020						2019	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	1,367	1,428	1,288	1,082	14,638	52	19,638	53
Atlantic	252	618	559	222	4,062	30	4,953	27
Central	783	463	499	552	7,853	16	13,557	22
West	332	347	230	308	2,723	6	1,128	4

Dairy Plants Manufacturing One or More Dairy Products – States, United States, and Region: 2016-2020

State and	2016	2017	2018	2019	2020
	(number)	(number)	(number)	(number)	(number)
Alabama	4	4	4	4	4
Alaska	1	1	-	-	-
Arizona	8	8	8	8	8
Arkansas	1	1	1	1	1
California	118	113	115	114	110
Colorado	7	7	8	8	8
Connecticut	28	28	28	29	28
Delaware	7	7	6	7	7
Florida	56	58	53	53	51
Georgia	7	8	6	6	5
Hawaii	6	6	6	6	6
Idaho	17	17	17	17	17
Illinois	36	35	35	34	27
Indiana	18	19	18	20	20
Iowa	22	22	23	23	26
Kansas	6	7	7	7	7
Kentucky	14	14	14	13	14
Louisiana	4	3	2	2	2
Maine	28	28	27	27	25
Maryland	13	14	11	14	12
Massachusetts	40	40	39	38	37
Michigan	51	51	49	47	46
Minnesota	31	31	31	30	28
Mississippi	1	1	1	1	1
Missouri	17	16	15	13	11
Montana	7	7	7	7	8
Nebraska	7	8	8	7	7
Nevada	4	4	4	5	4
New Hampshire	10	10	11	11	11
New Jersey	51	50	47	49	48
New Mexico	6	6	6	6	6
New York	130	130	122	122	128
North Carolina	13	13	13	16	15
North Dakota	2	2	2	2	2
Ohio	65	66	64	63	62
Oklahoma	8	6	4	4	4
Oregon	19	20	19	18	17
Pennsylvania	79	86	87	84	84
Rhode Island	4	4	4	4	4
South Carolina	2	2	2	2	2
South Dakota	9	9	9	9	9
Tennessee	12	12	12	10	11
Texas	43	43	38	36	32
Utah	20	20	20	20	20
Vermont	51	49	59	59	55
Virginia	1	1	1	3	4
Washington	10	10	10	10	10
West Virginia	2	2	2	2	2
Wisconsin	202	206	200	199	196
Wyoming	-	-	-	-	-
United States	1,298	1,305	1,275	1,270	1,242
Atlantic	522	530	518	526	518
Central	553	556	537	525	510
West	223	219	220	219	214

- Represents zero.



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 2020, there were 1,242 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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- 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.

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

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