



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 1057-784X

Dairy Products 2021 Summary

April 2022

USDA



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Summary

Total cheese production, excluding cottage cheeses, was 13.7 billion pounds, 3.5 percent above 2020 production. Wisconsin was the leading State with 25.3 percent of the production.

Italian varieties, with 5.75 billion pounds was 2.5 percent above 2020 production and accounted for 42.0 percent of total cheese in 2021. Mozzarella accounted for 78.0 percent of the Italian production followed by Parmesan with 8.4 percent and Provolone with 6.5 percent. Wisconsin was the leading State in Italian cheese production with 28.7 percent of the production.

American type cheese production was 5.57 billion pounds, 4.3 percent above 2020 and accounted for 40.6 percent of total cheese in 2021. Wisconsin was the leading State in American type cheese production with 19.4 percent of the production.

Butter production in the United States during 2021 totaled 2.07 billion pounds, 3.5 percent below 2020. California was the leading state in Butter production with 32.5 percent of the production.

Dry milk powders (2021 United States production, comparisons in percentage with 2020)

Nonfat dry milk, human - 2.02 billion pounds, up 3.7 percent.

Skim milk powders - 698 million pounds, up 0.4 percent.

Whey products (2021 United States production, comparisons in percentage with 2020)

Dry whey, total - 934 million pounds, down 2.6 percent.

Lactose, human and animal - 1.15 billion pounds, up 2.8 percent.

Whey protein concentrate, total - 509 million pounds, up 6.5 percent.

Frozen products (2021 United States production, comparisons in percentage with 2020)

Ice cream, Regular (total) - 872 million gallons, down 4.8 percent.

Ice cream, Lowfat (total) - 461 million gallons, down 0.5 percent.

Sherbet (total) - 40.6 million gallons, up 10.2 percent.

Frozen Yogurt (total) - 46.4 million gallons, up 32.2 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	102	204,948	194,756	200,052	227,212
Cheese					
American types	250	442,216	414,126	446,434	446,538
Cheddar	234	323,352	296,630	314,125	330,131
Other American ¹	145	118,864	117,496	132,309	116,407
Blue and Gorgonzola	42	7,186	7,036	7,178	2,843
Brick	17	121	77	105	182
Cream and Neufchatel	31	83,715	68,352	76,516	63,072
Feta	44	12,254	11,894	12,930	7,474
Gouda	86	4,636	4,913	4,241	3,230
Hispanic	60	28,068	26,950	31,657	28,953
Italian types	196	487,550	444,902	484,532	446,188
Mozzarella	122	384,166	352,300	386,066	352,382
Parmesan	46	38,881	35,617	34,287	37,750
Provolone	36	30,812	28,090	29,698	26,762
Ricotta	52	22,057	18,706	23,144	18,921
Romano	27	4,768	4,246	4,598	5,220
Other Italian types	57	6,866	5,943	6,739	5,153
Muenster	41	14,915	14,683	16,579	13,391
Swiss	63	28,379	26,766	27,396	25,754
All other types	216	14,680	12,349	12,722	12,649
Total cheese ²	533	1,123,720	1,032,048	1,120,290	1,050,274
Cottage cheese, curd ³	54	31,029	28,978	33,226	33,350
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	157	353,528	378,243	437,651	360,309

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	172,353	149,145	152,958	150,931	150,721
Cheese					
American types	441,163	431,799	453,087	445,152	432,125
Cheddar	315,718	302,977	322,763	323,167	303,265
Other American ¹	125,445	128,822	130,324	121,985	128,860
Blue and Gorgonzola	3,785	6,252	7,892	8,158	6,775
Brick	209	164	105	146	137
Cream and Neufchatel	76,751	94,208	90,070	91,403	92,527
Feta	10,090	11,373	14,480	13,766	13,477
Gouda	2,703	3,674	3,918	2,939	2,838
Hispanic	29,871	31,008	29,475	28,119	29,938
Italian types	480,822	484,404	454,045	444,405	468,666
Mozzarella	378,557	388,447	364,412	355,002	371,069
Parmesan	35,117	29,885	29,963	31,231	33,994
Provolone	33,655	35,309	31,853	27,450	31,047
Ricotta	22,181	20,278	18,103	20,707	21,784
Romano	4,739	4,389	4,361	3,902	3,903
Other Italian types	6,573	6,096	5,353	6,113	6,869
Muenster	17,979	17,179	16,214	14,389	16,115
Swiss	24,242	26,313	26,342	28,424	27,439
All other types	11,506	13,072	13,755	13,080	13,190
Total cheese ²	1,099,121	1,119,446	1,109,383	1,089,981	1,103,227
Cottage cheese, curd ³	30,988	30,865	32,907	31,734	34,562
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	373,139	398,745	364,094	382,279	391,213

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	161,991	172,909	207,926	2,145,902	7.6
Cheese					
American types ¹	460,228	449,775	475,504	5,338,147	2.0
Cheddar	325,366	321,543	349,502	3,828,539	2.5
Other American	134,862	128,232	126,002	1,509,608	0.9
Blue and Gorgonzola	6,277	5,338	4,872	73,592	-22.3
Brick	143	119	109	1,617	-19.7
Cream and Neufchatel	91,339	95,502	88,736	1,012,191	8.3
Feta	12,584	8,275	8,938	137,535	5.8
Gouda	3,810	4,058	3,706	44,666	-8.3
Hispanic	29,092	26,589	27,504	347,224	4.2
Italian types	472,257	453,862	490,643	5,612,276	-1.0
Mozzarella	370,997	358,377	382,314	4,444,089	-1.1
Parmesan	35,794	33,798	42,630	418,947	1.7
Provolone	32,403	29,199	30,165	366,443	-4.6
Ricotta	22,467	21,453	22,742	252,543	3.2
Romano	3,872	4,382	5,813	54,193	-0.8
Other Italian types	6,724	6,653	6,979	76,061	-5.6
Muenster	16,699	16,636	13,708	188,487	-4.3
Swiss	28,070	27,985	27,793	324,903	-4.0
All other types	15,122	13,674	13,203	159,002	2.2
Total cheese ²	1,135,621	1,101,813	1,154,716	13,239,640	0.8
Cottage cheese, curd ³	33,868	27,990	29,689	379,186	-3.0
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	132,755	1,460,873	2.6
Yogurt, plain and flavored	386,699	326,751	357,209	4,509,860	3.0

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: 2021

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	97	222,262	188,833	199,574	182,991
Cheese					
American types	242	478,328	427,090	480,500	478,196
Cheddar	227	352,093	301,126	336,776	337,847
Other American ¹	133	126,235	125,964	143,724	140,349
Blue and Gorgonzola	40	5,365	6,778	7,782	7,393
Brick	16	130	148	183	248
Cream and Neufchatel	29	78,994	73,196	82,298	81,648
Feta	45	10,560	12,601	15,470	15,602
Gouda	84	5,321	5,341	5,374	3,549
Hispanic	63	27,240	29,069	32,336	27,579
Italian types	201	482,461	443,396	502,101	483,156
Mozzarella	128	376,540	344,391	392,656	377,151
Parmesan	46	40,968	37,536	41,629	40,900
Provolone	35	31,363	28,963	30,776	32,804
Ricotta	53	22,078	21,221	24,556	19,813
Romano	26	5,138	4,830	5,352	5,911
Other Italian types	58	6,374	6,455	7,132	6,577
Muenster	41	15,942	15,406	17,374	15,228
Swiss	61	25,761	22,985	26,004	28,832
All other types	201	13,004	11,663	13,960	13,170
Total cheese ²	511	1,143,106	1,047,673	1,183,382	1,154,601
Cottage cheese, curd ³	48	29,412	29,811	34,363	28,853
Cottage cheese, creamed ⁴	49	26,717	27,677	31,597	27,116
Cottage cheese, lowfat ⁵	45	24,664	24,788	29,719	25,862
Sour cream	99	114,190	114,679	133,781	119,051
Yogurt, plain and flavored	159	384,678	382,863	443,374	414,884

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	183,041	156,965	147,112	147,053	143,640
Cheese					
American types	481,545	457,394	467,274	462,477	454,668
Cheddar	348,365	329,810	325,011	320,293	309,879
Other American ¹	133,180	127,584	142,263	142,184	144,789
Blue and Gorgonzola	8,207	7,751	6,742	7,314	7,494
Brick	171	164	158	177	151
Cream and Neufchatel	93,185	86,574	82,130	94,946	92,398
Feta	15,678	15,465	15,336	15,462	15,237
Gouda	5,723	4,597	5,070	4,503	4,419
Hispanic	27,919	29,352	30,462	28,675	30,327
Italian types	472,514	465,030	480,260	480,009	475,972
Mozzarella	371,087	364,385	374,441	374,517	369,882
Parmesan	40,065	39,627	41,960	37,738	38,861
Provolone	32,232	31,032	34,310	34,156	31,888
Ricotta	16,005	16,478	16,188	20,747	22,070
Romano	6,310	5,870	5,611	5,143	5,632
Other Italian types	6,815	7,638	7,750	7,708	7,639
Muenster	17,245	17,342	16,168	14,211	14,470
Swiss	28,347	29,639	28,870	27,257	25,653
All other types	12,689	13,464	13,229	13,724	13,595
Total cheese ²	1,163,223	1,126,772	1,145,699	1,148,755	1,134,384
Cottage cheese, curd ³	28,192	30,328	31,629	30,533	30,042
Cottage cheese, creamed ⁴	28,165	28,624	29,474	29,527	28,604
Cottage cheese, lowfat ⁵	24,753	25,730	26,481	26,252	25,745
Sour cream	120,142	126,500	121,174	122,915	118,932
Yogurt, plain and flavored	393,724	389,530	401,106	411,210	409,977

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 (continued)

Products	October	November	December	Total	2021 as percent of 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	164,296	155,987	179,962	2,071,716	-3.5
Cheese					
American types ¹	460,680	449,639	469,770	5,567,561	4.3
Cheddar	324,914	313,524	333,665	3,933,303	2.7
Other American	135,766	136,115	136,105	1,634,258	8.3
Blue and Gorgonzola	8,896	7,913	7,556	89,191	21.2
Brick	140	199	141	2,010	24.3
Cream and Neufchatel	86,516	90,978	92,979	1,035,842	2.3
Feta	13,588	11,739	12,554	169,292	23.1
Gouda	3,768	4,358	4,226	56,249	25.9
Hispanic	31,735	28,114	28,693	351,501	1.2
Italian types	488,426	479,853	498,981	5,752,159	2.5
Mozzarella	378,302	375,299	388,985	4,487,636	1.0
Parmesan	40,503	39,024	44,605	483,416	15.4
Provolone	31,708	29,589	27,563	376,384	2.7
Ricotta	23,161	22,621	22,492	247,430	-2.0
Romano	6,131	5,309	6,457	67,694	24.9
Other Italian types	8,621	8,011	8,879	89,599	17.8
Muenster	15,934	16,060	16,119	191,499	1.6
Swiss	27,949	27,249	31,460	330,006	1.6
All other types	14,470	14,304	13,984	161,256	1.4
Total cheese ²	1,152,102	1,130,406	1,176,463	13,706,566	3.5
Cottage cheese, curd ³	29,015	26,924	29,212	358,314	-5.5
Cottage cheese, creamed ⁴	27,437	26,136	27,472	338,546	-6.7
Cottage cheese, lowfat ⁵	24,129	22,085	23,028	303,236	-1.8
Sour cream	132,853	133,456	136,439	1,494,112	2.3
Yogurt, plain and flavored	386,014	355,335	370,532	4,743,227	5.2

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: 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)	65,386	66,099	76,815	76,618
Ice cream, regular, hard	401	55,347	55,525	65,286	63,670
Ice cream, lowfat, total ¹	(NA)	31,968	36,259	41,370	37,417
Ice cream, lowfat, hard	110	16,466	19,378	23,420	20,662
Ice cream, lowfat, soft	(NA)	15,502	16,881	17,950	16,755
Ice cream, nonfat, total	(NA)	637	705	945	753
Ice cream, nonfat, hard	32	359	441	621	463
Sherbet, total	(NA)	2,578	3,118	2,983	2,593
Sherbet, hard	130	2,350	2,805	2,716	2,380
Yogurt, total	(NA)	2,844	3,259	3,574	2,410
Yogurt, regular and lowfat, hard	76	1,178	956	1,515	1,341
Yogurt, nonfat, hard	36	183	313	249	97
Other frozen dairy products ²	52	793	1,619	1,120	1,114
Water and juice ices ²	104	4,261	4,800	6,069	5,510
Mix for frozen products					
Ice cream, regular, mix	254	33,733	33,941	39,305	42,394
Ice cream, lowfat, mix ³	151	17,795	19,195	21,088	19,260
Ice cream, nonfat, mix	35	376	377	467	410
Sherbet mix	101	1,628	1,968	1,884	1,609
Yogurt mix	88	1,708	1,865	2,081	1,157

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	78,939	89,423	89,755	85,319	82,447
Ice cream, regular, hard	65,256	73,520	74,123	71,045	69,987
Ice cream, lowfat, total ¹	43,576	45,426	43,878	43,761	40,227
Ice cream, lowfat, hard	22,667	23,720	22,511	23,750	22,711
Ice cream, lowfat, soft	20,909	21,706	21,367	20,011	17,516
Ice cream, nonfat, total	681	966	720	903	728
Ice cream, nonfat, hard	407	607	427	554	426
Sherbet, total	2,485	3,614	3,541	3,785	3,253
Sherbet, hard	2,307	3,225	3,181	3,397	2,942
Yogurt, total	2,583	3,360	3,526	3,153	3,081
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	1,062	1,156	1,273	1,413	1,377
Water and juice ices ²	6,330	6,858	7,144	6,336	5,718
Mix for frozen products					
Ice cream, regular, mix	42,697	48,080	48,328	44,894	43,607
Ice cream, lowfat, mix ³	24,876	26,628	26,304	24,800	21,765
Ice cream, nonfat, mix	354	496	392	462	358
Sherbet mix	1,583	2,247	2,164	2,288	2,062
Yogurt mix	1,246	1,852	1,713	1,846	1,675

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	76,131	65,396	63,382	915,710	4.2
Ice cream, regular, hard	63,914	55,329	53,899	766,901	8.1
Ice cream, lowfat, total ¹	36,448	31,975	30,648	462,953	-2.3
Ice cream, lowfat, hard	20,228	18,264	16,935	250,712	5.2
Ice cream, lowfat, soft	16,220	13,711	13,713	212,241	-9.9
Ice cream, nonfat, total	889	551	640	9,118	-7.5
Ice cream, nonfat, hard	557	371	408	5,641	-16.6
Sherbet, total	3,165	2,519	3,159	36,793	-17.2
Sherbet, hard	2,846	2,281	2,791	33,221	-0.2
Yogurt, total	2,491	2,139	2,682	35,102	-38.3
Yogurt, regular and lowfat, hard	1,104	1,206	1,142	15,403	7.3
Yogurt, nonfat, hard	225	193	274	3,008	-38.2
Other frozen dairy products ²	1,467	1,297	1,092	14,783	-24.7
Water and juice ices ²	5,123	4,562	3,911	66,622	-7.3
Mix for frozen products					
Ice cream, regular, mix	40,135	35,809	32,990	485,913	7.3
Ice cream, lowfat, mix ³	19,343	17,061	16,757	254,872	-0.4
Ice cream, nonfat, mix	476	315	552	5,035	-3.7
Sherbet mix	1,931	1,636	1,932	22,932	0.9
Yogurt mix	1,282	1,048	1,420	18,893	-31.3

(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: 2021

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)	67,894	68,578	82,786	82,942
Ice cream, regular, hard	390	57,904	57,863	68,982	68,856
Ice cream, lowfat, total ¹	(NA)	33,705	36,884	47,296	42,986
Ice cream, lowfat, hard	101	18,036	19,549	24,598	20,934
Ice cream, lowfat, soft	(NA)	15,669	17,335	22,698	22,052
Ice cream, nonfat, total	(NA)	722	536	793	1,000
Ice cream, nonfat, hard	31	555	366	617	791
Sherbet, total	(NA)	3,356	3,267	3,722	3,789
Sherbet, hard	125	2,366	2,483	2,497	2,823
Yogurt, total	(NA)	3,033	3,934	3,795	4,895
Yogurt, regular and lowfat, hard	74	1,110	1,100	1,018	1,126
Yogurt, nonfat, hard	34	126	229	251	223
Other frozen dairy products ²	53	743	790	931	1,125
Water and juice ices ²	102	5,328	5,744	6,767	6,471
Mix for frozen products					
Ice cream, regular, mix	248	36,285	36,393	44,579	45,309
Ice cream, lowfat, mix ³	142	17,301	18,834	25,372	23,589
Ice cream, nonfat, mix	32	397	370	439	538
Sherbet mix	100	1,560	1,765	1,965	2,087
Yogurt mix	82	1,306	1,392	1,514	2,049

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2021 (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	74,695	81,361	78,944	77,370	67,282
Ice cream, regular, hard	61,168	66,028	64,257	63,201	55,511
Ice cream, lowfat, total ¹	43,855	43,004	42,723	40,724	36,106
Ice cream, lowfat, hard	21,662	20,778	20,092	19,705	17,810
Ice cream, lowfat, soft	22,193	22,226	22,631	21,019	18,296
Ice cream, nonfat, total	710	663	730	739	670
Ice cream, nonfat, hard	521	481	556	538	497
Sherbet, total	3,239	3,659	4,267	3,484	3,427
Sherbet, hard	2,364	2,617	2,793	2,336	2,148
Yogurt, total	4,248	4,240	4,072	4,334	3,594
Yogurt, regular and lowfat, hard	978	1,114	1,148	973	1,051
Yogurt, nonfat, hard	299	393	291	316	165
Other frozen dairy products ²	1,073	1,092	1,195	987	967
Water and juice ices ²	6,561	7,082	6,933	6,300	5,395
Mix for frozen products					
Ice cream, regular, mix	38,884	43,541	41,749	41,350	36,088
Ice cream, lowfat, mix ³	25,005	24,922	25,256	23,559	20,217
Ice cream, nonfat, mix	354	366	370	428	396
Sherbet mix	1,719	2,008	2,108	1,888	1,679
Yogurt mix	1,713	2,005	1,841	1,773	1,704

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2021 (continued)

Products	October	November	December	Total	2021 as percent of 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	65,651	62,173	62,022	871,698	-4.8
Ice cream, regular, hard	54,598	52,137	52,283	722,788	-5.8
Ice cream, lowfat, total ¹	35,214	29,451	28,727	460,675	-0.5
Ice cream, lowfat, hard	17,676	14,660	14,280	229,780	-8.3
Ice cream, lowfat, soft	17,538	14,791	14,447	230,895	8.8
Ice cream, nonfat, total	652	671	705	8,591	-5.8
Ice cream, nonfat, hard	475	541	586	6,524	15.7
Sherbet, total	2,790	2,717	2,838	40,555	10.2
Sherbet, hard	1,957	1,773	1,833	27,990	-15.7
Yogurt, total	3,562	2,901	3,789	46,397	32.2
Yogurt, regular and lowfat, hard	1,002	906	1,078	12,604	-18.2
Yogurt, nonfat, hard	413	281	204	3,191	6.1
Other frozen dairy products ²	955	764	913	11,535	-22.0
Water and juice ices ²	4,979	5,024	4,434	71,018	6.6
Mix for frozen products					
Ice cream, regular, mix	34,933	32,746	32,265	464,122	-4.5
Ice cream, lowfat, mix ³	18,889	16,585	15,533	255,062	0.1
Ice cream, nonfat, mix	329	377	409	4,773	-5.2
Sherbet mix	1,515	1,347	1,405	21,046	-8.2
Yogurt mix	1,603	1,355	1,734	19,989	5.8

(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: 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	21	1,703	2,069	1,399	1,827
Dry whey, total	(NA)	85,352	77,136	83,481	75,823
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	49	40,596	35,080	38,896	36,455
Animal ²	20	937	556	1,330	1,056
Total ²	(NA)	41,533	35,636	40,226	37,511
25.0-49.9 percent ³	20	15,991	13,803	15,913	14,205
50.0-89.9 percent ³	39	25,542	21,833	24,313	23,306
Whey protein isolates ⁴	17	9,341	9,022	9,971	9,452
Lactose, human and animal	30	85,413	85,043	95,875	89,120
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)	65,488	63,167	64,451	62,265
Animal ²	(NA)	1,050	605	860	1,048
Total ²	(NA)	66,538	63,772	65,311	63,313
25.0-49.9 percent ³	(NA)	27,320	26,468	26,814	25,717
50.0-89.9 percent ³	(NA)	39,218	37,304	38,497	37,596
Whey protein isolates ⁴	(NA)	15,024	15,396	15,222	14,624
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	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	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	1,369	1,571	1,547	1,838	1,343
Dry whey, total	84,108	81,712	82,615	78,719	76,953
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	38,087	39,876	39,248	39,629	40,477
Animal ²	1,123	421	522	514	615
Total ²	39,210	40,297	39,770	40,143	41,092
25.0-49.9 percent ³	14,830	15,339	14,878	14,709	14,695
50.0-89.9 percent ³	24,380	24,958	24,892	25,434	26,397
Whey protein isolates ⁴	10,222	9,421	8,915	8,379	7,970
Lactose, human and animal	90,928	103,160	100,752	96,736	94,712
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	64,419	64,902	64,826	66,712	63,995
Animal ²	1,336	950	696	643	734
Total ²	65,755	65,852	65,522	67,355	64,729
25.0-49.9 percent ³	24,362	24,582	24,231	24,905	24,013
50.0-89.9 percent ³	41,393	41,270	41,291	42,450	40,716
Whey protein isolates ⁴	16,497	16,383	18,176	16,143	15,202
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	75,000	73,887	80,122	940,242	-2.2
Dry whey, animal	1,147	1,764	1,178	18,755	19.0
Dry whey, total	76,147	75,651	81,300	958,997	-1.9
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	39,490	38,005	42,318	468,157	-2.3
Animal ²	574	1,283	787	9,718	-15.6
Total ²	40,064	39,288	43,105	477,875	-2.6
25.0-49.9 percent ³	15,341	13,866	16,579	180,149	-0.7
50.0-89.9 percent ³	24,723	25,422	26,526	297,726	-3.8
Whey protein isolates ⁴	10,524	8,316	10,941	112,474	-6.2
Lactose, human and animal	95,652	88,344	94,712	1,120,447	-8.7
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	61,816	62,266	61,956	(X)	(X)
Animal ²	797	1,082	903	(X)	(X)
Total ²	62,613	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	37,166	37,120	36,331	(X)	(X)
Whey protein isolates ⁴	13,160	14,292	15,073	(X)	(X)
Lactose, human and animal	104,707	111,833	123,021	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	21.6	29.3	27.8	(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: 2021

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	13	10,041	9,484	10,738	10,753
Dry whey products					
Dry whey, human	26	82,413	76,338	75,745	76,070
Dry whey, animal	21	1,124	816	1,164	1,365
Dry whey, total	(NA)	83,537	77,154	76,909	77,435
Reduced lactose and minerals					
Human	3	1,850	1,707	2,394	2,499
Animal	3	3,117	2,787	3,133	2,847
Whey protein concentrate					
Human ²	45	40,248	35,347	40,307	48,890
Animal ²	20	1,110	447	525	1,066
Total ²	(NA)	41,358	35,794	40,832	49,956
25.0-49.9 percent ³	16	14,937	12,715	14,269	19,675
50.0-89.9 percent ³	39	26,421	23,079	26,563	30,281
Whey protein isolates ⁴	20	10,517	10,905	11,245	10,311
Lactose, human and animal	29	91,730	84,576	97,812	98,065
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	68,938	68,449	62,611	59,278
Dry whey, animal	(NA)	772	845	946	995
Dry whey, total	(NA)	69,710	69,294	63,557	60,273
Reduced lactose and minerals					
Human and animal ⁶	(NA)	6,690	6,340	6,473	7,115
Whey protein concentrate					
Human ²	(NA)	61,636	62,979	60,379	60,267
Animal ²	(NA)	1,625	1,739	1,466	1,412
Total ²	(NA)	63,261	64,718	61,845	61,679
25.0-49.9 percent ³	(NA)	26,084	25,110	23,441	23,114
50.0-89.9 percent ³	(NA)	37,177	39,608	38,404	38,565
Whey protein isolates ⁴	(NA)	13,566	14,478	13,520	12,660
Lactose, human and animal	(NA)	128,931	134,135	127,365	127,434
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	26.8	30.5	34.8	38.8

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2021 (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	10,535	10,416	10,875	10,633	10,258
Dry whey products					
Dry whey, human	76,036	75,175	76,416	80,950	73,827
Dry whey, animal	1,241	1,175	4,600	1,352	1,358
Dry whey, total	77,277	76,350	81,016	82,302	75,185
Reduced lactose and minerals					
Human	1,656	1,627	1,867	1,937	1,677
Animal	3,136	2,971	2,928	2,804	2,940
Whey protein concentrate					
Human ²	39,025	38,039	37,722	40,297	44,069
Animal ²	1,425	476	967	1,290	743
Total ²	40,450	38,515	38,689	41,587	44,812
25.0-49.9 percent ³	14,154	12,567	12,678	14,033	16,666
50.0-89.9 percent ³	26,296	25,948	26,011	27,554	28,146
Whey protein isolates ⁴	11,084	10,254	10,912	10,810	9,867
Lactose, human and animal	94,741	96,228	99,012	97,958	100,670
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	66,725	60,813	65,453	65,928	59,842
Dry whey, animal	1,030	830	1,676	1,607	3,170
Dry whey, total	67,755	61,643	67,129	67,535	63,012
Reduced lactose and minerals					
Human and animal ⁶	6,528	6,427	6,944	6,910	7,234
Whey protein concentrate					
Human ²	61,175	61,052	61,691	62,034	63,208
Animal ²	1,993	2,189	2,169	1,562	738
Total ²	63,168	63,241	63,860	63,596	63,946
25.0-49.9 percent ³	23,965	26,114	25,812	23,652	24,924
50.0-89.9 percent ³	39,203	37,127	38,048	39,944	39,022
Whey protein isolates ⁴	12,463	13,541	12,680	11,250	11,238
Lactose, human and animal	130,816	128,034	132,279	138,192	147,163
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	37.1	41.9	13.3	30.2	26.6

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2021 (continued)

Products	October	November	December	Total	2021 as percent of 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	10,015	9,925	9,915	123,588	13.4
Dry whey products					
Dry whey, human	70,296	73,954	74,282	911,502	-3.1
Dry whey, animal	4,586	1,902	1,762	22,445	19.7
Dry whey, total	74,882	75,856	76,044	933,947	-2.6
Reduced lactose and minerals					
Human	2,718	3,414	3,908	27,254	23.3
Animal	3,000	5,092	5,368	40,123	13.4
Whey protein concentrate					
Human ²	45,312	41,657	45,229	496,142	6.0
Animal ²	1,310	1,783	1,706	12,848	32.2
Total ²	46,622	43,440	46,935	508,990	6.5
25.0-49.9 percent ³	16,803	14,756	16,464	179,717	-0.2
50.0-89.9 percent ³	29,819	28,684	30,471	329,273	10.6
Whey protein isolates ⁴	11,448	11,091	11,888	130,332	15.9
Lactose, human and animal	96,548	90,511	103,807	1,151,658	2.8
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	56,441	57,891	56,382	(X)	(X)
Dry whey, animal	1,552	1,834	676	(X)	(X)
Dry whey, total	57,993	59,725	57,058	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	6,336	6,554	6,901	(X)	(X)
Whey protein concentrate					
Human ²	64,230	67,870	68,737	(X)	(X)
Animal ²	796	1,400	1,653	(X)	(X)
Total ²	65,026	69,270	70,390	(X)	(X)
25.0-49.9 percent ³	22,583	23,881	24,910	(X)	(X)
50.0-89.9 percent ³	42,443	45,389	45,480	(X)	(X)
Whey protein isolates ⁴	11,763	12,398	13,777	(X)	(X)
Lactose, human and animal	154,586	149,832	162,505	(X)	(X)
	(cents per pounds)	(cents per pounds)	(cents per pounds)	(cents per pounds)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	13.8	31.0	25.1	(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.

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	43	111,475	126,195	135,531	131,449
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	16	8,059	11,207	13,244	10,955
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	54	184,097	174,728	173,655	202,626
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	40,297	31,772
Dry milk products					
Dry buttermilk, total	(NA)	18,665	20,008	25,472	21,375
Dry skim milk, animal	(NA)	12,321	12,297	11,430	11,963
Dry whole milk	(NA)	13,481	14,018	13,462	15,239
Nonfat dry milk, human	(NA)	285,047	322,435	354,319	392,643
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	9,622	10,444	11,434	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	132,338	166,863
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	101.0	100.5	98.1	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	129,402	118,609	122,085	122,288	107,444
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	6,409	6,095	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	157,234	145,033	169,138	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	249,853
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	108,268	108,669	106,088	1,427,503	-0.4
Whole, sweetened	12,561	10,252	8,578	137,145	-7.9
Whole, unsweetened	1,447	1,337	8,002	32,122	-54.0
Condensed or evaporated buttermilk	5,641	6,988	8,861	98,506	-10.7
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	141,249	155,434	175,252	1,951,889	5.4
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	253,547	266,922	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.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2021

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	10,219	9,843	10,208	11,512
Skim, unsweetened	38	121,047	108,922	125,391	124,966
Whole, sweetened	6	15,419	10,067	12,561	11,121
Whole, unsweetened	5	3,641	1,159	1,390	1,561
Condensed or evaporated buttermilk	13	8,465	7,069	7,277	6,487
Canned milk					
Evaporated and condensed whole ¹	6	31,773	38,058	44,560	47,312
Evaporated skim	2	792	2,130	1,252	519
Dry milk products					
Dry buttermilk, total	21	15,219	12,089	12,417	12,982
Dry skim milk, animal	16	710	532	502	572
Dry whole milk	14	10,891	11,072	14,683	13,760
Milk protein concentrate, total ²	13	21,108	18,207	16,704	18,875
Nonfat dry milk, human	47	210,168	182,471	198,254	193,792
Skim milk powder, total ³	20	48,065	43,967	52,575	55,977
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	40,099	41,385	43,367	45,516
Dry milk products					
Dry buttermilk, total	(NA)	22,482	24,279	23,238	22,547
Dry skim milk, animal	(NA)	9,005	9,987	10,257	9,650
Dry whole milk	(NA)	19,673	16,657	15,424	15,669
Nonfat dry milk, human	(NA)	312,124	344,227	313,028	317,427
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	10,161	9,181	13,051	13,451
Dry skim milk, animal	(NA)	1,538	774	1,822	1,853
Dry whole milk	(NA)	9,130	13,000	13,853	13,356
Nonfat dry milk, human	(NA)	176,592	143,191	218,596	188,542
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	92.4	92.4	90.0	95.4
Dry skim milk, animal	(NA)	76.1	76.9	68.3	74.0
Dry whole milk	(NA)	158.8	157.9	159.2	163.6

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: 2021 (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	12,601	10,562	10,637	12,572	8,683
Skim, unsweetened	126,181	123,013	117,039	101,985	95,555
Whole, sweetened	12,830	12,381	13,806	12,494	13,641
Whole, unsweetened	2,663	1,083	1,366	1,434	1,381
Condensed or evaporated buttermilk	7,691	6,099	5,350	5,652	6,274
Canned milk					
Evaporated and condensed whole ¹	48,479	39,622	47,998	45,525	43,286
Evaporated skim	1,459	1,470	2,144	449	1,250
Dry milk products					
Dry buttermilk, total	10,647	9,155	9,210	7,635	10,418
Dry skim milk, animal	693	1,167	961	665	695
Dry whole milk	14,205	14,250	11,974	11,017	9,963
Milk protein concentrate, total ²	18,991	18,183	11,549	11,698	12,776
Nonfat dry milk, human	205,470	185,604	137,789	121,559	139,384
Skim milk powder, total ³	48,496	54,174	64,413	72,450	72,120
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	60,482	57,087	61,617	68,701	69,397
Dry milk products					
Dry buttermilk, total	20,722	19,546	21,475	19,000	18,906
Dry skim milk, animal	9,882	9,357	9,028	9,312	9,063
Dry whole milk	18,111	21,107	19,817	20,633	19,884
Nonfat dry milk, human	348,522	349,226	313,811	279,835	258,779
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	9,387	10,625	8,480	8,904	8,674
Dry skim milk, animal	1,372	1,575	2,558	1,318	1,766
Dry whole milk	11,775	9,207	13,604	12,881	10,028
Nonfat dry milk, human	175,615	189,735	172,840	158,257	161,706
	(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	110.1	115.8	114.2	119.0	107.5
Dry skim milk, animal	90.0	84.1	68.3	95.9	69.0
Dry whole milk	171.9	185.5	177.7	178.5	176.3

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: 2021 (continued)

Products	October	November	December	Total	2021 as percent of 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	9,907	8,997	7,497	123,238	4.9
Skim, unsweetened	101,810	102,277	97,992	1,346,178	-5.7
Whole, sweetened	13,301	10,486	10,985	149,092	8.7
Whole, unsweetened	1,010	1,158	2,387	20,233	-37.0
Condensed or evaporated buttermilk	6,795	6,760	7,748	81,667	-17.1
Canned milk					
Evaporated and condensed whole ¹	52,049	44,868	50,156	533,686	-2.1
Evaporated skim	1,216	1,140	1,038	14,859	-52.5
Dry milk products					
Dry buttermilk, total	9,674	9,634	12,615	131,695	3.9
Dry skim milk, animal	835	385	644	8,361	-54.4
Dry whole milk	9,445	10,565	16,474	148,299	7.4
Milk protein concentrate, total ²	15,671	15,200	17,552	196,514	-4.7
Nonfat dry milk, human	120,721	161,011	167,804	2,024,027	3.7
Skim milk powder, total ³	77,649	59,550	48,567	698,003	0.4
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	64,994	47,963	45,995	(X)	(X)
Dry milk products					
Dry buttermilk, total	19,176	18,775	20,695	(X)	(X)
Dry skim milk, animal	8,115	7,623	6,027	(X)	(X)
Dry whole milk	9,941	18,022	23,938	(X)	(X)
Nonfat dry milk, human	220,011	226,785	252,674	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	9,750	11,041	8,365	(X)	(X)
Dry skim milk, animal	2,116	1,643	2,604	(X)	(X)
Dry whole milk	10,136	10,492	12,303	(X)	(X)
Nonfat dry milk, human	160,301	154,931	143,841	(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	118.1	122.0	119.4	(X)	(X)
Dry skim milk, animal	91.5	109.2	109.4	(X)	(X)
Dry whole milk	179.2	189.7	195.0	(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: 2021 and Total 2020-2021

State and region	2021							
	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	210,201	193,835	210,809	207,372	207,595	193,656	202,890	201,695
Idaho	87,810	72,986	90,183	86,941	79,985	86,238	86,160	77,879
Illinois	4,643	4,941	6,200	5,109	5,124	5,813	5,546	5,429
Iowa	30,311	26,633	27,874	30,163	29,843	27,448	27,594	28,029
Minnesota	64,874	59,162	65,896	62,902	65,106	60,954	65,302	64,458
New Jersey	5,291	4,115	5,519	4,248	4,305	5,072	4,705	4,937
New Mexico	83,362	72,293	82,826	79,545	80,608	79,441	80,099	79,231
New York	67,969	66,515	75,327	68,334	72,364	70,966	62,154	71,344
Ohio	20,783	18,857	20,907	20,784	19,647	20,129	20,626	20,370
Pennsylvania	36,536	34,060	40,728	39,665	38,114	30,419	34,491	36,999
Vermont	12,847	11,378	12,095	12,615	11,862	11,652	11,253	11,871
Wisconsin	286,065	268,542	305,655	294,023	294,983	291,893	293,160	294,126
Other States ¹	232,414	214,356	239,363	242,900	253,687	243,091	251,719	252,387
United States	1,143,106	1,047,673	1,183,382	1,154,601	1,163,223	1,126,772	1,145,699	1,148,755
Atlantic	134,865	127,407	145,962	136,886	138,945	129,568	124,745	137,071
Central	540,241	501,729	565,142	553,967	563,616	549,338	560,978	560,761
West	468,000	418,537	472,278	463,748	460,662	447,866	459,976	450,923

State and region	2021					2020		
	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	196,123	205,748	203,823	205,000	2,438,747	50	2,434,870	56
Idaho	83,340	85,611	77,288	88,252	1,002,673	8	1,014,224	8
Illinois	4,952	5,939	5,282	6,233	65,211	12	62,355	11
Iowa	27,425	27,708	26,847	27,828	337,703	14	355,222	14
Minnesota	63,814	63,153	62,340	66,945	764,906	11	741,743	11
New Jersey	5,752	5,967	5,219	5,753	60,883	15	61,189	13
New Mexico	75,780	81,729	78,816	84,100	957,830	4	962,449	4
New York	72,376	70,212	69,453	66,161	833,175	62	858,884	64
Ohio	20,154	21,080	22,079	23,899	249,315	17	245,118	18
Pennsylvania	36,603	37,739	35,496	34,367	435,217	40	435,837	41
Vermont	11,385	12,010	12,207	12,241	143,416	32	144,462	36
Wisconsin	286,555	282,000	281,350	296,131	3,474,483	115	3,389,620	120
Other States ¹	250,125	253,206	250,206	259,553	2,943,007	131	2,533,667	137
United States	1,134,384	1,152,102	1,130,406	1,176,463	13,706,566	511	13,239,640	533
Atlantic	137,322	137,970	134,529	131,077	1,616,347	203	1,635,423	211
Central	550,284	548,821	543,551	572,698	6,611,126	218	6,160,722	226
West	446,778	465,311	452,326	472,688	5,479,093	90	5,443,495	96

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: 2021 and Total 2020-2021

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

State and region	2021							
	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	49,994	46,688	50,926	51,685	50,469	44,411	45,774	46,215
Iowa	19,161	15,927	16,787	16,772	16,001	13,238	13,635	14,455
Minnesota	53,253	48,499	53,623	50,821	53,746	50,264	54,187	53,277
New York	12,527	11,137	11,905	11,402	11,964	11,508	11,410	11,029
Wisconsin	94,959	86,429	96,093	92,146	92,509	89,316	91,611	88,987
Other States ¹	248,434	218,410	251,166	255,370	256,856	248,657	250,657	248,514
United States	478,328	427,090	480,500	478,196	481,545	457,394	467,274	462,477
Atlantic	30,377	27,254	28,538	28,549	28,529	27,587	27,291	27,375
Central	250,173	226,518	256,219	252,212	257,864	243,246	252,373	247,702
West	197,778	173,318	195,743	197,435	195,152	186,561	187,610	187,400

State and region	2021					2020		
	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	46,691	48,819	46,095	47,039	574,806	11	581,127	15
Iowa	14,210	13,666	13,078	11,911	178,841	11	213,938	11
Minnesota	52,164	51,695	52,694	54,151	628,374	8	624,841	8
New York	11,646	8,589	9,885	10,644	133,646	23	143,609	24
Wisconsin	86,030	86,558	83,486	90,105	1,078,229	61	1,064,002	65
Other States ¹	243,927	251,353	244,401	255,920	2,973,665	128	2,710,630	127
United States	454,668	460,680	449,639	469,770	5,567,561	242	5,338,147	250
Atlantic	27,097	25,526	26,829	27,775	332,727	85	339,157	84
Central	243,295	245,124	238,755	250,558	2,964,039	121	2,687,209	126
West	184,276	190,030	184,055	191,437	2,270,795	36	2,311,781	40

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: 2021 and Total 2020-2021

State and region	2021							
	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	27,512	23,044	25,268	26,047	26,748	22,183	21,935	21,648
Vermont	9,373	8,689	9,364	8,708	8,441	8,295	8,090	8,318
Wisconsin	67,304	59,331	65,027	62,195	61,454	60,843	62,909	58,931
Other States ¹	247,904	210,062	237,117	240,897	251,722	238,489	232,077	231,396
United States	352,093	301,126	336,776	337,847	348,365	329,810	325,011	320,293
Atlantic	29,110	25,970	27,549	26,298	26,556	25,525	24,884	25,705
Central	179,669	157,108	174,609	178,316	186,073	170,553	174,155	168,395
West	143,314	118,048	134,618	133,233	135,736	133,732	125,972	126,193

State and region	2021						2020	
	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	22,301	25,185	20,708	24,563	287,142	10	294,770	14
Vermont	7,954	8,614	8,830	8,846	103,522	15	100,945	13
Wisconsin	55,099	59,805	56,677	62,953	732,528	61	743,578	65
Other States ¹	224,525	231,310	227,309	237,303	2,810,111	141	2,689,246	142
United States	309,879	324,914	313,524	333,665	3,933,303	227	3,828,539	234
Atlantic	25,176	23,626	25,196	26,177	311,772	74	319,632	74
Central	162,753	172,412	164,157	178,794	2,066,994	119	1,879,501	122
West	121,950	128,876	124,171	128,694	1,554,537	34	1,629,406	38

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: 2021 and Total 2020-2021

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

State and region	2021							
	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	22,482	23,644	25,658	25,638	23,721	22,228	23,839	24,567
Wisconsin	27,655	27,098	31,066	29,951	31,055	28,473	28,702	30,056
Other States ¹	76,098	75,222	87,000	84,760	78,404	76,883	89,722	87,561
United States	126,235	125,964	143,724	140,349	133,180	127,584	142,263	142,184
Atlantic	1,267	1,284	989	2,251	1,973	2,062	2,407	1,670
Central	70,504	69,410	81,610	73,896	71,791	72,693	78,218	79,307
West	54,464	55,270	61,125	64,202	59,416	52,829	61,638	61,207
State and region	2021						2020	
	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	24,390	23,634	25,387	22,476	287,664	9	286,357	11
Wisconsin	30,931	26,753	26,809	27,152	345,701	39	320,424	44
Other States ¹	89,468	85,379	83,919	86,477	1,000,893	85	902,827	90
United States	144,789	135,766	136,115	136,105	1,634,258	133	1,509,608	145
Atlantic	1,921	1,900	1,633	1,598	20,955	39	19,525	42
Central	80,542	72,712	74,598	71,764	897,045	72	807,708	80
West	62,326	61,154	59,884	62,743	716,258	22	682,375	23

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: 2021 and Total 2020-2021

State and region	2021							
	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	138,519	125,494	135,883	135,045	135,257	125,004	135,669	135,745
Minnesota	11,403	10,447	12,018	11,750	11,144	10,412	10,789	10,874
New Jersey	2,946	1,823	2,760	1,939	2,104	2,307	2,353	2,365
New York	29,880	28,210	32,283	28,589	28,302	25,844	22,730	27,910
Pennsylvania	24,144	22,094	23,342	23,062	23,323	21,747	22,886	23,152
Wisconsin	135,550	128,242	147,271	141,267	134,920	138,160	139,310	137,948
Other States ¹	140,019	127,086	148,544	141,504	137,464	141,556	146,523	142,015
United States	482,461	443,396	502,101	483,156	472,514	465,030	480,260	480,009
Atlantic	61,177	56,184	63,458	57,587	57,999	53,725	52,463	57,498
Central	195,841	186,516	210,245	203,396	196,582	196,801	201,710	201,904
West	225,443	200,696	228,398	222,173	217,933	214,504	226,087	220,607
State and region	2021						2020	
	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	128,610	133,890	135,774	135,472	1,600,362	28	1,603,274	30
Minnesota	11,371	11,211	9,384	12,463	133,266	5	114,104	5
New Jersey	2,773	3,207	2,596	2,922	30,095	10	32,272	9
New York	28,851	30,892	29,305	27,238	340,034	20	352,087	16
Pennsylvania	21,635	22,560	22,079	20,924	270,948	12	261,188	15
Wisconsin	135,698	135,476	135,295	140,310	1,649,447	53	1,646,850	52
Other States ¹	147,034	151,190	145,420	159,652	1,728,007	73	1,602,501	69
United States	475,972	488,426	479,853	498,981	5,752,159	201	5,612,276	196
Atlantic	57,136	60,480	58,000	55,483	691,190	75	693,700	71
Central	199,856	201,700	199,060	209,136	2,402,747	82	2,301,135	80
West	218,980	226,246	222,793	234,362	2,658,222	44	2,617,441	45

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: 2021 and Total 2020-2021

State and region	2021							
	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	126,897	114,891	125,951	124,824	125,132	114,955	122,593	124,942
New Jersey	1,478	872	1,292	1,091	1,077	1,190	1,185	1,227
New York	15,003	14,305	15,477	14,834	15,326	13,279	11,504	12,583
Pennsylvania	19,947	18,497	18,895	18,786	18,755	17,849	18,339	19,091
Wisconsin	86,095	81,302	97,012	89,986	87,752	89,125	88,467	88,838
Other States ¹	127,120	114,524	134,029	127,630	123,045	127,987	132,353	127,836
United States	376,540	344,391	392,656	377,151	371,087	364,385	374,441	374,517
Atlantic	39,229	36,468	38,608	37,241	38,173	34,981	34,406	35,760
Central	125,165	119,366	137,523	129,231	127,097	126,592	128,600	130,804
West	212,146	188,557	216,525	210,679	205,817	202,812	211,435	207,953
State and region	2021						2020	
	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	120,566	124,462	125,459	124,784	1,475,456	23	1,487,912	23
New Jersey	1,285	1,603	1,413	1,405	15,118	8	15,775	7
New York	13,510	14,472	13,869	13,436	167,598	14	178,198	12
Pennsylvania	17,568	18,608	17,861	17,038	221,234	6	216,587	7
Wisconsin	84,507	83,662	85,148	88,881	1,050,775	35	1,078,817	34
Other States ¹	132,446	135,495	131,549	143,441	1,557,455	42	1,466,800	39
United States	369,882	378,302	375,299	388,985	4,487,636	128	4,444,089	122
Atlantic	34,930	37,457	36,161	35,038	438,452	41	436,993	38
Central	125,772	126,417	128,004	132,084	1,536,655	54	1,526,477	52
West	209,180	214,428	211,134	221,863	2,512,529	33	2,480,619	32

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: 2020 and 2021

Type	2020	2021	2021 as percent of 2020
	(1,000 pounds)	(1,000 pounds)	(percent)
Hard			
Provolone and similars	366,443	376,384	2.7
Romano and similars	54,193	67,694	24.9
Parmesan and similars	418,947	483,416	15.4
Other hard	52,458	60,785	15.9
Total hard	892,041	988,279	10.8
Soft			
Mozzarella and similars	4,444,089	4,487,636	1.0
Ricotta and similars	252,543	247,430	-2.0
Other soft	23,603	28,814	22.1
Total soft	4,720,235	4,763,880	0.9
Total hard and soft	5,612,276	5,752,159	2.5

Total Italian Cheese Production by Type – Regions and United States: 2020 and 2021

Region	Hard types		Soft types		Total	
	2020	2021	2020	2021	2020	2021
	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)
Atlantic	113,560	118,036	580,140	573,154	693,700	691,190
Central	646,501	729,572	1,654,634	1,673,175	2,301,135	2,402,747
West	131,980	140,671	2,485,461	2,517,551	2,617,441	2,658,222
United States	892,041	988,279	4,720,235	4,763,880	5,612,276	5,752,159

Miscellaneous Italian Cheese Production – States and United States: 2020 and 2021

State	Provolone		Romano		Parmesan	
	2020	2021	2020	2021	2020	2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Wisconsin	193,497	199,604	31,204	34,147	220,797	231,025
Other States ¹	172,946	176,780	22,989	33,547	198,150	252,391
United States	366,443	376,384	54,193	67,694	418,947	483,416

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: 2021 and Total 2020-2021

State	2021							
	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	13,274	11,726	13,208	13,088	13,802	13,499	13,402	12,800
Pennsylvania	638	560	655	656	664	705	624	589
Other States ¹	11,849	10,699	12,141	15,088	13,881	15,435	14,844	13,868
United States	25,761	22,985	26,004	28,832	28,347	29,639	28,870	27,257

State	2021					2020		
	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	12,212	12,850	13,268	14,489	157,618	12	155,817	12
Pennsylvania	553	517	543	631	7,335	9	7,240	9
Other States ¹	12,888	14,582	13,438	16,340	165,053	40	161,846	42
United States	25,653	27,949	27,249	31,460	330,006	61	324,903	63

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: 2021 and Total 2020-2021

State	2021							
	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	12,950	13,391	14,275	12,327	11,612	13,097	12,990	12,824
Wisconsin	8,043	8,528	10,137	9,146	9,022	9,515	9,707	9,661
Other States ¹	6,247	7,150	7,924	6,106	7,285	6,740	7,765	6,190
United States	27,240	29,069	32,336	27,579	27,919	29,352	30,462	28,675

State	2021					2020		
	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	13,141	13,066	12,180	12,096	153,949	12	156,450	14
Wisconsin	9,623	9,492	9,048	9,287	111,209	22	105,068	19
Other States ¹	7,563	9,177	6,886	7,310	86,343	29	85,706	27
United States	30,327	31,735	28,114	28,693	351,501	63	347,224	60

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: 2021 and Total 2020-2021

State	2021							
	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	4,286	3,969	4,349	3,513	5,515	6,036	4,093	2,791
Wisconsin	5,729	6,213	6,305	5,641	6,374	5,907	6,121	6,019
Other States ¹	5,927	5,224	6,720	6,074	5,356	5,399	5,954	5,401
United States	15,942	15,406	17,374	15,228	17,245	17,342	16,168	14,211

State	2021					2020		
	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	4,038	4,951	4,746	5,585	53,872	3	47,156	4
Wisconsin	5,743	5,790	6,230	6,255	72,327	23	69,429	22
Other States ¹	4,689	5,193	5,084	4,279	65,300	15	71,902	15
United States	14,470	15,934	16,060	16,119	191,499	41	188,487	41

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

Processed Cheeses and Combinations Production – United States: 2012-2021

Year	Processed cheese ¹		Processed cheese foods and spreads ²	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
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	28	1,677,043	24	579,973
2021	27	2,010,902	23	634,621

Year	Cold pack cheese and cheese foods ²		Total	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
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	2,291,324
2021	15	168,512	45	2,814,035

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: 2021 and Total 2020-2021

[Fat content less than 4 percent]

State and region	2021							
	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)
New York	7,204	7,654	9,012	7,632	6,796	8,057	7,570	7,832
Ohio	1,662	1,677	1,722	1,749	1,687	1,770	1,895	2,061
Other States ¹	15,798	15,457	18,985	16,481	16,270	15,903	17,016	16,359
United States	24,664	24,788	29,719	25,862	24,753	25,730	26,481	26,252
Atlantic	7,603	8,001	9,381	8,106	7,127	8,495	7,890	8,192
Central	8,326	8,711	10,722	8,956	9,284	9,099	9,334	9,395
West	8,735	8,076	9,616	8,800	8,342	8,136	9,257	8,665
State and region	2021					2020		
	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)
New York	8,123	7,124	5,727	6,535	89,266	6	95,522	6
Ohio	1,258	1,545	1,581	1,522	20,129	5	23,104	6
Other States ¹	16,364	15,460	14,777	14,971	193,841	34	190,113	37
United States	25,745	24,129	22,085	23,028	303,236	45	308,739	49
Atlantic	8,405	7,363	6,019	6,704	93,286	10	100,148	10
Central	9,033	8,434	8,441	8,255	107,990	19	110,980	21
West	8,307	8,332	7,625	8,069	101,960	16	97,611	18

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: 2021 and Total 2020-2021

[Fat content more than 4 percent]

State and region	2021							
	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	8,276	9,096	8,934	7,706	7,693	8,282	8,688	8,165
Ohio	3,329	3,616	4,245	3,413	3,324	3,551	3,788	3,983
Other States ¹	15,112	14,965	18,418	15,997	17,148	16,791	16,998	17,379
United States	26,717	27,677	31,597	27,116	28,165	28,624	29,474	29,527
Atlantic	8,911	9,808	9,773	8,308	8,506	8,909	9,501	8,902
Central	13,382	13,475	15,995	13,829	14,332	14,019	14,335	15,176
West	4,424	4,394	5,829	4,979	5,327	5,696	5,638	5,449
State and region	2021						2020	
	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	8,616	8,014	6,301	7,712	97,483	7	102,147	7
Ohio	3,396	3,173	3,221	3,526	42,565	5	48,456	6
Other States ¹	16,592	16,250	16,614	16,234	198,498	37	212,103	40
United States	28,604	27,437	26,136	27,472	338,546	49	362,706	53
Atlantic	9,346	8,522	6,953	8,254	105,693	10	111,142	10
Central	13,881	13,694	13,441	13,889	169,448	22	186,719	24
West	5,377	5,221	5,742	5,329	63,405	17	64,845	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: 2021 and Total 2020-2021

[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	2021							
	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	8,605	9,186	9,946	7,816	7,833	9,087	9,241	8,681
Ohio	2,487	2,699	3,039	2,643	2,555	2,714	2,887	3,049
Other States ¹	18,320	17,926	21,378	18,394	17,804	18,527	19,501	18,803
United States	29,412	29,811	34,363	28,853	28,192	30,328	31,629	30,533
Atlantic	9,457	10,103	10,875	8,694	8,742	9,879	10,147	9,593
Central	13,025	13,132	15,908	13,272	13,891	13,554	13,923	13,747
West	6,930	6,576	7,580	6,887	5,559	6,895	7,559	7,193

State and region	2021					2020		
	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	9,058	8,745	6,396	7,927	102,521	9	110,131	10
Ohio	2,362	2,392	2,437	2,563	31,827	5	36,212	6
Other States ¹	18,622	17,878	18,091	18,722	223,966	34	232,843	38
United States	30,042	29,015	26,924	29,212	358,314	48	379,186	54
Atlantic	9,893	9,311	7,187	8,477	112,358	13	121,391	16
Central	13,122	13,033	13,087	13,431	163,125	22	171,121	22
West	7,027	6,671	6,650	7,304	82,831	13	86,674	16

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: 2021 and Total 2020-2021

State and region	2021							
	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	15,170	14,605	17,627	16,129	15,188	16,380	16,338	15,358
New York	19,884	20,868	22,618	20,462	20,505	22,444	20,543	22,216
Pennsylvania	150	197	234	181	201	210	201	198
Other States ¹	78,986	79,009	93,302	82,279	84,248	87,466	84,092	85,143
United States	114,190	114,679	133,781	119,051	120,142	126,500	121,174	122,915
Atlantic	22,165	23,797	26,353	23,749	23,543	25,518	23,347	25,247
Central	61,028	58,567	69,980	63,489	64,871	66,502	64,077	64,191
West	30,997	32,315	37,448	31,813	31,728	34,480	33,750	33,477

State and region	2021						2020	
	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	16,690	17,580	17,955	18,168	197,188	17	172,069	17
New York	21,114	24,122	19,326	23,022	257,124	12	264,399	13
Pennsylvania	195	183	174	229	2,353	6	1,982	6
Other States ¹	80,933	90,968	96,001	95,020	1,037,447	64	1,022,423	66
United States	118,932	132,853	133,456	136,439	1,494,112	99	1,460,873	102
Atlantic	23,996	27,068	22,190	26,068	293,041	29	297,666	29
Central	60,879	67,062	72,860	71,282	784,788	38	779,145	39
West	34,057	38,723	38,406	39,089	416,283	32	384,062	34

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: 2021 and Total 2020-2021

State and region	2021							
	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	65,111	57,003	62,573	59,185	61,211	55,167	46,815	51,325
Pennsylvania	7,718	7,912	8,479	7,576	7,388	7,016	6,465	7,328
Other States ¹	149,433	123,918	128,522	116,230	114,442	94,782	93,832	88,400
United States	222,262	188,833	199,574	182,991	183,041	156,965	147,112	147,053
Atlantic	19,699	17,936	17,452	16,163	15,300	12,367	9,676	10,525
Central	93,173	76,120	78,235	69,131	68,004	57,542	59,218	54,558
West	109,390	94,777	103,887	97,697	99,737	87,056	78,218	81,970
State and region	2021						2020	
	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	47,394	53,332	53,237	60,078	672,431	11	667,730	11
Pennsylvania	6,535	6,615	7,566	8,830	89,428	6	97,422	6
Other States ¹	89,711	104,349	95,184	111,054	1,309,857	80	1,380,750	85
United States	143,640	164,296	155,987	179,962	2,071,716	97	2,145,902	102
Atlantic	10,306	10,813	12,372	15,871	168,480	42	198,973	44
Central	53,651	59,585	61,456	71,666	802,339	34	833,806	35
West	79,683	93,898	82,159	92,425	1,100,897	21	1,113,123	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: 2021 and Total 2020-2021

State and region	2021							
	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	27,569	29,640	34,271	31,480	32,171	32,121	31,091	33,676
New York	62,283	63,957	71,341	69,663	65,935	61,198	61,219	69,228
Other States ¹	294,826	289,266	337,762	313,741	295,618	296,211	308,796	308,306
United States	384,678	382,863	443,374	414,884	393,724	389,530	401,106	411,210
Atlantic	107,455	114,341	125,455	119,147	112,763	105,958	111,735	119,037
Central	169,050	158,872	191,778	174,588	157,301	165,216	165,709	167,662
West	108,173	109,650	126,141	121,149	123,660	118,356	123,662	124,511
State and region	2021						2020	
	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	33,868	32,183	29,005	27,924	374,999	16	354,906	17
New York	62,320	62,139	65,318	60,282	774,883	37	722,922	37
Other States ¹	313,789	291,692	261,012	282,326	3,593,345	106	3,432,032	103
United States	409,977	386,014	355,335	370,532	4,743,227	159	4,509,860	157
Atlantic	112,030	117,716	106,402	103,316	1,355,355	86	1,287,343	85
Central	181,351	155,098	145,853	165,641	1,998,119	40	1,990,110	39
West	116,596	113,200	103,080	101,575	1,389,753	33	1,232,407	33

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:
2021 and Total 2020-2021**

State and region	2021							
	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)
New York	5,339	6,759	8,003	9,278	9,773	8,904	7,027	7,314
Other States ¹	115,708	102,163	117,388	115,688	116,408	114,109	110,012	94,671
United States	121,047	108,922	125,391	124,966	126,181	123,013	117,039	101,985
Atlantic	25,213	25,401	29,530	31,934	31,010	31,137	32,492	26,366
Central	56,341	50,265	58,821	55,598	58,442	55,821	52,052	45,435
West	39,493	33,256	37,040	37,434	36,729	36,055	32,495	30,184

State and region	2021					2020		
	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)
New York	6,375	6,817	6,214	5,682	87,485	5	40,978	4
Other States ¹	89,180	94,993	96,063	92,310	1,258,693	33	1,386,525	39
United States	95,555	101,810	102,277	97,992	1,346,178	38	1,427,503	43
Atlantic	27,450	25,998	30,724	30,888	348,143	12	289,551	11
Central	44,070	46,288	45,118	42,092	610,343	14	736,299	15
West	24,035	29,524	26,435	25,012	387,692	12	401,653	17

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: 2021 and Total 2020-2021

State and region	2021							
	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	94,652	88,098	92,911	91,076	91,812	76,518	32,865	37,321
Pennsylvania	16,177	12,185	15,537	16,826	16,853	15,015	15,058	13,415
Other States ¹	99,339	82,188	89,806	85,890	96,805	94,071	89,866	70,823
United States	210,168	182,471	198,254	193,792	205,470	185,604	137,789	121,559
Atlantic	33,174	23,352	29,464	30,120	33,403	32,958	29,551	25,938
Central	40,917	33,687	37,909	38,879	39,159	38,479	42,378	27,908
West	136,077	125,432	130,881	124,793	132,908	114,167	65,860	67,713
State and region	2021						2020	
	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	61,228	41,357	84,772	80,116	872,726	9	731,545	14
Pennsylvania	12,186	12,356	12,849	15,499	173,956	3	184,283	3
Other States ¹	65,970	67,008	63,390	72,189	977,345	35	1,036,061	37
United States	139,384	120,721	161,011	167,804	2,024,027	47	1,951,889	54
Atlantic	21,480	22,720	22,604	28,096	332,860	9	348,157	10
Central	23,103	22,167	26,278	29,380	400,244	16	439,820	18
West	94,801	75,834	112,129	110,328	1,290,923	22	1,163,912	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: 2021 and Total 2020-2021

State	2021							
	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	5,971	5,631	6,285	5,815	5,574	4,966	4,549	3,986
Other States ¹	9,248	6,458	6,132	7,167	5,073	4,189	4,661	3,649
United States	15,219	12,089	12,417	12,982	10,647	9,155	9,210	7,635
State	2021						2020	
	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	4,443	4,879	4,774	5,938	62,811	7	57,735	7
Other States ¹	5,975	4,795	4,860	6,677	68,884	14	69,070	15
United States	10,418	9,674	9,634	12,615	131,695	21	126,805	22

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: 2021 and Total 2020-2021

State and region	2021							
	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)
New York	11,106	10,852	11,826	9,040	12,609	11,976	13,111	12,053
Wisconsin	27,942	28,085	28,138	26,613	23,833	23,851	24,850	30,296
Other States ¹	43,365	37,401	35,781	40,417	39,594	39,348	38,455	38,601
United States	82,413	76,338	75,745	76,070	76,036	75,175	76,416	80,950
Atlantic	22,100	21,229	22,557	19,715	23,665	25,603	23,674	22,914
Central	38,710	37,600	38,513	37,757	34,565	33,882	36,103	40,879
West	21,603	17,509	14,675	18,598	17,806	15,690	16,639	17,157
State and region	2021						2020	
	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)
New York	11,253	9,094	11,490	11,154	135,564	5	137,914	5
Wisconsin	21,575	24,996	25,880	25,777	311,836	8	280,226	8
Other States ¹	40,999	36,206	36,584	37,351	464,102	13	522,102	14
United States	73,827	70,296	73,954	74,282	911,502	26	940,242	27
Atlantic	26,719	20,780	25,517	24,656	279,129	8	265,409	8
Central	32,099	35,486	35,964	36,541	438,099	12	432,675	13
West	15,009	14,030	12,473	13,085	194,274	6	242,158	6

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: 2021 and Total 2020-2021

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

State and region	2021							
	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	5,688	5,975	7,432	7,886	7,068	7,849	8,014	7,104
Connecticut	1,180	1,157	1,362	1,301	1,410	1,436	1,512	1,477
New York	2,170	1,955	2,207	2,495	2,397	2,425	2,766	2,316
Ohio	2,162	2,358	2,879	2,617	2,622	2,711	2,495	2,526
Oregon	1,004	876	1,062	1,015	947	980	982	988
Pennsylvania	2,817	2,225	3,050	2,862	2,493	3,676	3,717	3,374
Tennessee	2,532	2,010	2,065	2,294	818	2,338	2,033	2,019
Utah	2,509	2,306	1,484	1,575	1,533	1,629	1,222	1,290
Wisconsin	477	516	731	650	663	822	887	753
Other States ¹	37,365	38,485	46,710	46,161	41,217	42,162	40,629	41,354
United States	57,904	57,863	68,982	68,856	61,168	66,028	64,257	63,201
Atlantic	13,302	12,698	15,171	15,631	14,357	14,664	15,701	14,623
Central	33,522	34,181	41,502	40,800	35,640	39,125	36,725	37,432
West	11,080	10,984	12,309	12,425	11,171	12,239	11,831	11,146

State and region	2021					2020		
	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	5,696	5,142	4,948	4,249	77,051	21	71,192	21
Connecticut	1,392	1,296	1,129	989	15,641	17	14,777	17
New York	2,137	2,053	1,530	1,358	25,809	28	26,583	29
Ohio	2,377	2,372	2,099	2,266	29,484	29	30,153	29
Oregon	803	872	823	885	11,237	5	12,449	5
Pennsylvania	3,424	3,172	3,669	3,458	37,937	31	42,653	31
Tennessee	2,336	2,005	2,106	1,547	24,103	3	23,050	3
Utah	1,185	1,176	1,050	1,003	17,962	7	29,347	8
Wisconsin	654	568	526	482	7,729	24	8,080	27
Other States ¹	35,507	35,942	34,257	36,046	475,835	225	508,617	231
United States	55,511	54,598	52,137	52,283	722,788	390	766,901	401
Atlantic	13,406	13,711	12,411	11,456	167,131	197	171,509	203
Central	33,097	32,149	31,549	33,157	428,879	144	459,807	148
West	9,008	8,738	8,177	7,670	126,778	49	135,585	50

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: 2021 and Total 2020-2021

State and region	2021							
	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	4,050	3,660	5,455	5,458	5,198	5,585	5,681	5,239
Connecticut	857	845	1,035	1,277	1,051	1,042	1,238	1,173
Illinois	1,632	2,499	3,078	2,915	2,599	3,180	3,064	2,889
Indiana	1,627	1,546	1,889	1,951	1,454	1,507	1,640	1,546
Missouri	1,593	1,552	1,654	1,500	1,397	1,446	1,391	1,367
New Jersey	261	324	426	511	514	532	594	563
New York	1,135	1,197	1,139	1,304	1,213	1,260	1,586	1,368
Ohio	1,091	1,199	1,504	1,375	1,384	1,471	1,326	1,401
Oregon	828	795	918	831	790	1,006	1,031	944
Pennsylvania	2,499	2,489	2,177	3,020	1,403	2,730	2,054	2,388
Other States ¹	20,712	20,287	25,304	25,167	21,881	23,782	22,144	22,472
United States	36,285	36,393	44,579	45,309	38,884	43,541	41,749	41,350
Atlantic	9,203	9,306	10,252	11,787	9,240	10,441	10,311	10,350
Central	19,765	19,937	25,342	25,152	21,785	24,154	22,926	23,155
West	7,317	7,150	8,985	8,370	7,859	8,946	8,512	7,845
State and region	2021						2020	
	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	4,149	3,766	3,523	3,138	54,902	23	54,815	24
Connecticut	1,064	987	872	702	12,143	7	10,712	7
Illinois	2,156	2,013	1,610	2,185	29,820	10	34,911	8
Indiana	1,253	1,488	1,003	1,103	18,007	8	21,784	8
Missouri	1,498	1,428	1,327	1,064	17,217	5	15,815	6
New Jersey	442	441	321	276	5,205	5	3,929	5
New York	1,304	1,168	973	691	14,338	13	15,122	16
Ohio	1,272	1,245	1,111	1,194	15,573	15	15,624	15
Oregon	753	836	732	740	10,204	6	11,982	7
Pennsylvania	1,951	1,738	1,971	2,057	26,477	19	28,561	18
Other States ¹	20,246	19,823	19,303	19,115	260,236	137	272,658	140
United States	36,088	34,933	32,746	32,265	464,122	248	485,913	254
Atlantic	8,891	8,885	7,972	7,343	113,981	90	114,127	91
Central	20,808	19,796	19,108	19,446	261,374	105	273,780	107
West	6,389	6,252	5,666	5,476	88,767	53	98,006	56

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: 2021 and Total 2020-2021

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

State and region	2021						
	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	3,646	3,717	4,514	3,962	4,485	3,614	4,179
Illinois	793	1,388	2,112	1,722	1,844	2,146	1,882
Pennsylvania	583	388	422	437	395	677	579
Texas	1,077	815	1,566	1,474	1,328	1,254	1,450
Other States ¹	27,606	30,576	38,682	35,391	35,803	35,313	34,633
United States	33,705	36,884	47,296	42,986	43,855	43,004	42,723
Atlantic	6,044	6,443	8,529	8,657	7,319	7,890	8,013
Central	21,638	24,141	31,543	27,684	29,405	28,571	27,298
West	6,023	6,300	7,224	6,645	7,131	6,543	7,412
State and region	2021						2020
	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	4,028	3,405	3,342	2,301	2,008	43,201	42,667
Illinois	1,685	1,090	969	924	903	17,458	22,392
Pennsylvania	617	527	485	501	418	6,029	8,216
Texas	1,219	1,156	1,126	948	1,036	14,449	10,127
Other States ¹	33,175	29,928	29,292	24,777	24,362	379,538	379,551
United States	40,724	36,106	35,214	29,451	28,727	460,675	462,953
Atlantic	7,675	7,043	7,728	6,019	5,726	87,086	92,938
Central	26,329	23,484	22,234	19,096	19,087	300,510	300,455
West	6,720	5,579	5,252	4,336	3,914	73,079	69,560

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: 2021 and Total 2020-2021

[Includes milkshake mix]

State and region	2021							
	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	1,666	1,796	2,120	1,963	2,141	1,862	2,129	1,956
Massachusetts	94	79	171	169	197	197	198	188
New Jersey	227	262	426	322	289	269	277	269
Ohio	349	437	662	699	811	780	530	623
Pennsylvania	402	286	484	438	406	572	494	544
Utah	270	455	162	241	250	186	241	137
Other States ¹	14,293	15,519	21,347	19,757	20,911	21,056	21,387	19,842
United States	17,301	18,834	25,372	23,589	25,005	24,922	25,256	23,559
Atlantic	3,287	3,367	4,637	4,473	4,116	4,551	4,696	4,240
Central	11,044	12,188	17,061	15,608	16,928	16,672	16,183	15,395
West	2,970	3,279	3,674	3,508	3,961	3,699	4,377	3,924
State and region	2021						2020	
	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	1,632	1,675	1,242	1,076	21,258	17	22,677	17
Massachusetts	142	121	91	77	1,724	3	1,626	2
New Jersey	303	306	298	295	3,543	2	4,156	2
Ohio	572	435	325	299	6,522	10	6,868	11
Pennsylvania	423	345	307	308	5,009	7	5,280	10
Utah	147	127	160	99	2,475	2	3,564	4
Other States ¹	16,998	15,880	14,162	13,379	214,531	101	210,701	105
United States	20,217	18,889	16,585	15,533	255,062	142	254,872	151
Atlantic	3,828	4,029	3,237	3,190	47,651	39	48,224	42
Central	13,096	11,815	10,423	9,955	166,368	66	169,021	68
West	3,293	3,045	2,925	2,388	41,043	37	37,627	41

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: 2021 and Total 2020-2021

State and region	2021							
	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	2,366	2,483	2,497	2,823	2,364	2,617	2,793	2,336
Atlantic	632	650	750	794	707	692	636	666
Central	1,221	1,298	1,322	1,639	1,242	1,460	1,674	1,324
West	513	535	425	390	415	465	483	346
State and region	2021						2020	
	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	2,148	1,957	1,773	1,833	27,990	125	33,221	130
Atlantic	625	625	555	524	7,856	51	7,921	54
Central	1,195	1,040	949	1,111	15,475	48	18,611	53
West	328	292	269	198	4,659	26	6,689	23

Sherbet Mix Production by Month – States, United States and Regions: 2021 and Total 2020-2021

State and region	2021							
	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	97	98	141	98	146	178	128	117
Ohio	88	116	129	92	79	103	102	95
Pennsylvania	51	71	44	75	43	68	61	64
Utah	91	162	64	95	58	84	79	46
Other States ¹	1,233	1,318	1,587	1,727	1,393	1,575	1,738	1,566
United States	1,560	1,765	1,965	2,087	1,719	2,008	2,108	1,888
Atlantic	389	413	497	555	436	449	428	454
Central	859	986	1,141	1,252	950	1,190	1,293	1,121
West	312	366	327	280	333	369	387	313
State and region	2021						2020	
	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	90	64	78	53	1,288	8	1,507	8
Ohio	94	87	74	115	1,174	7	1,179	7
Pennsylvania	41	27	39	55	639	7	674	8
Utah	69	43	70	19	880	5	1,668	5
Other States ¹	1,385	1,294	1,086	1,163	17,065	73	17,904	73
United States	1,679	1,515	1,347	1,405	21,046	100	22,932	101
Atlantic	400	416	351	349	5,137	34	5,116	35
Central	1,009	892	781	910	12,384	40	13,413	42
West	270	207	215	146	3,525	26	4,403	24

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: 2021 and Total 2020-2021

State and region	2021						
	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	1,306	1,392	1,514	2,049	1,713	2,005	1,841
Atlantic	253	349	206	669	486	572	411
Central	554	479	621	763	562	692	586
West	499	564	687	617	665	741	844
State and region	2021						2020
	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	1,773	1,704	1,603	1,355	1,734	19,989	18,893
Atlantic	457	491	313	236	305	4,748	4,367
Central	607	470	540	504	532	6,910	7,193
West	709	743	750	615	897	8,331	7,333

Water and Juice Ices Production by Month – United States and Regions: 2021 and Total 2020-2021

[Does not include counter-freezer production]

State and region	2021							
	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	5,328	5,744	6,767	6,471	6,561	7,082	6,933	6,300
Atlantic	1,482	1,881	2,139	2,367	2,734	3,068	3,189	2,722
Central	3,023	3,018	3,721	3,238	3,008	3,134	2,882	2,657
West	823	845	907	866	819	880	862	921
State and region	2021						2020	
	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	5,395	4,979	5,024	4,434	71,018	102	66,622	104
Atlantic	1,925	1,759	1,907	1,412	26,585	49	25,987	51
Central	2,695	2,465	2,478	2,486	34,805	38	30,750	36
West	775	755	639	536	9,628	15	9,885	17

Other Frozen Dairy Products Production by Month – United States and Regions: 2021 and Total 2020-2021

State and region	2021							
	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	743	790	931	1,125	1,073	1,092	1,195	987
Atlantic	246	147	234	362	319	388	475	369
Central	448	584	613	671	666	554	656	526
West	49	59	84	92	88	150	64	92
State and region	2021						2020	
	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	967	955	764	913	11,535	53	14,783	52
Atlantic	270	293	242	164	3,509	28	4,178	30
Central	590	466	408	672	6,854	18	7,882	16
West	107	196	114	77	1,172	7	2,723	6

Dairy Plants Manufacturing One or More Dairy Products – States, United States, and Regions: 2017-2021

State and	2017	2018	2019	2020	2021
	(number)	(number)	(number)	(number)	(number)
Alabama	4	4	4	4	4
Alaska	1	-	-	-	-
Arizona	8	8	8	8	8
Arkansas	1	1	1	1	1
California	113	115	114	110	102
Colorado	7	8	8	8	7
Connecticut	28	28	29	28	28
Delaware	7	6	7	7	7
Florida	58	53	53	51	47
Georgia	8	6	6	5	6
Hawaii	6	6	6	6	6
Idaho	17	17	17	17	17
Illinois	35	35	34	27	28
Indiana	19	18	20	20	20
Iowa	22	23	23	26	26
Kansas	7	7	7	7	7
Kentucky	14	14	13	14	13
Louisiana	3	2	2	2	2
Maine	28	27	27	23	22
Maryland	14	11	14	12	12
Massachusetts	40	39	38	34	32
Michigan	51	49	47	48	47
Minnesota	31	31	30	28	28
Mississippi	1	1	1	1	1
Missouri	16	15	13	11	11
Montana	7	7	7	8	8
Nebraska	8	8	7	7	7
Nevada	4	4	5	4	4
New Hampshire	10	11	11	11	11
New Jersey	50	47	49	48	50
New Mexico	6	6	6	6	6
New York	130	122	122	124	119
North Carolina	13	13	16	16	15
North Dakota	2	2	2	2	2
Ohio	66	64	63	62	61
Oklahoma	6	4	4	4	4
Oregon	20	19	18	17	17
Pennsylvania	86	87	84	81	80
Rhode Island	4	4	4	4	4
South Carolina	2	2	2	2	2
South Dakota	9	9	9	9	9
Tennessee	12	12	10	11	11
Texas	43	38	36	32	33
Utah	20	20	20	20	18
Vermont	49	59	59	54	49
Virginia	1	1	3	4	4
Washington	10	10	10	10	10
West Virginia	2	2	2	2	2
Wisconsin	206	200	199	195	188
Wyoming	-	-	-	-	-
United States	1,305	1,275	1,270	1,231	1,196
Atlantic	530	518	526	506	490
Central	556	537	525	511	503
West	219	220	219	214	203

- 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 2021, there were 1,196 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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