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Dairy Products 2022 Summary

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USDA



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Summary

Total cheese production, excluding cottage cheeses, was 14.1 billion pounds, 2.2 percent above 2021 production. Wisconsin was the leading State with 25.0 percent of the production.

Italian varieties, with 5.90 billion pounds was 2.3 percent above 2021 production and accounted for 42.0 percent of total cheese in 2022. Mozzarella accounted for 78.4 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 28.5 percent of the production.

American type cheese production was 5.64 billion pounds, 0.4 percent above 2021 and accounted for 40.1 percent of total cheese in 2022. Wisconsin was the leading State in American type cheese production with 18.8 percent of the production.

Butter production in the United States during 2022 totaled 2.06 billion pounds, 0.2 percent below 2021. California was the leading state in Butter production with 33.3 percent of the production.

Dry milk powders (2022 United States production, comparisons in percentage with 2021)
Nonfat dry milk, human - 1.97 billion pounds, down 3.8 percent.
Skim milk powders - 658 million pounds, down 5.7 percent.

Whey products (2022 United States production, comparisons in percentage with 2021)
Dry whey, total - 915 million pounds, up 2.6 percent.
Lactose, human and animal - 1.11 billion pounds, down 0.9 percent.
Whey protein concentrate, total - 451 million pounds, down 2.7 percent.

Frozen products (2022 United States production, comparisons in percentage with 2021)
Ice cream, Regular (total) - 920 million gallons, up 4.5 percent.
Ice cream, Lowfat (total) - 446 million gallons, down 6.5 percent.
Sherbet (total) - 29.5 million gallons, down 15.6 percent.
Frozen Yogurt (total) - 45.6 million gallons, up 12.6 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	98	222,263	188,833	199,574	182,992
Cheese					
American types	244	478,326	427,092	480,503	478,206
Cheddar	229	352,089	301,127	336,778	337,855
Other American ¹	135	126,237	125,965	143,725	140,351
Blue and Gorgonzola	40	5,201	6,554	7,752	7,574
Brick	16	130	148	183	248
Cream and Neufchatel	30	78,961	71,948	79,974	80,085
Feta	45	10,560	12,601	15,470	15,602
Gouda	86	5,326	5,345	5,379	3,555
Hispanic	65	27,259	29,085	32,356	27,602
Italian types	204	482,474	443,401	502,107	483,160
Mozzarella	128	376,553	344,396	392,662	377,155
Parmesan	46	40,968	37,536	41,629	40,900
Provolone	35	31,363	28,963	30,776	32,804
Ricotta	54	22,078	21,221	24,556	19,813
Romano	27	5,138	4,830	5,352	5,911
Other Italian types	60	6,374	6,455	7,132	6,577
Muenster	42	15,946	15,409	17,378	15,233
Swiss	64	25,765	22,988	26,008	28,838
All other types	200	13,004	11,666	13,962	13,177
Total cheese ²	513	1,142,952	1,046,237	1,181,072	1,153,280
Cottage cheese, curd ³	49	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	46	24,664	24,788	29,719	25,862
Sour cream	99	114,140	114,634	133,649	118,991
Yogurt, plain and flavored	158	384,334	382,745	442,174	414,809

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	147,113	147,053	143,640
Cheese					
American types	481,553	457,401	467,358	462,547	454,716
Cheddar	348,372	329,816	325,097	320,348	309,913
Other American ¹	133,181	127,585	142,261	142,199	144,803
Blue and Gorgonzola	8,204	7,628	7,159	7,194	7,584
Brick	171	164	158	177	151
Cream and Neufchatel	92,976	86,391	81,313	93,477	90,803
Feta	15,678	15,465	15,336	15,462	15,237
Gouda	5,729	4,601	5,077	4,514	4,424
Hispanic	27,944	29,367	30,522	28,736	30,391
Italian types	472,512	465,029	480,268	480,017	475,982
Mozzarella	371,086	364,384	374,447	374,525	369,892
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	6,814	7,638	7,752	7,708	7,639
Muenster	17,250	17,345	16,163	14,206	14,469
Swiss	28,353	29,643	28,874	27,262	25,658
All other types	12,705	13,478	13,245	13,739	13,602
Total cheese ²	1,163,075	1,126,512	1,145,473	1,147,331	1,133,017
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	120,082	126,440	121,129	122,850	118,887
Yogurt, plain and flavored	393,647	391,637	401,018	411,566	409,858

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	155,297	155,989	179,965	2,062,725	-3.9
Cheese					
American types ¹	480,925	462,692	483,852	5,615,171	5.2
Cheddar	341,950	321,580	345,753	3,970,678	3.7
Other American	138,975	141,112	138,099	1,644,493	8.9
Blue and Gorgonzola	8,667	7,726	7,518	88,761	20.6
Brick	140	199	141	2,010	24.3
Cream and Neufchatel	85,034	91,659	93,186	1,025,807	1.3
Feta	13,588	11,739	12,539	169,277	23.1
Gouda	3,774	4,366	4,231	56,321	26.1
Hispanic	31,796	28,169	28,766	351,993	1.4
Italian types	488,442	485,872	509,445	5,768,709	2.8
Mozzarella	378,314	378,313	395,448	4,497,175	1.2
Parmesan	40,503	41,025	44,606	485,418	15.9
Provolone	31,708	29,589	29,563	378,384	3.3
Ricotta	23,161	23,621	24,491	250,429	-0.8
Romano	6,131	5,309	6,458	67,695	24.9
Other Italian types	8,625	8,015	8,879	89,608	17.8
Muenster	15,942	16,067	16,123	191,531	1.6
Swiss	27,955	27,255	31,467	330,066	1.6
All other types	14,477	14,319	14,007	161,381	1.5
Total cheese ²	1,170,740	1,150,063	1,201,275	13,761,027	3.9
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	132,816	133,436	136,420	1,493,474	2.2
Yogurt, plain and flavored	386,223	355,803	370,462	4,744,276	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.

Dairy Products Production by Product and Month – United States: 2022

Products	Plants	January	February	March	April
	(number)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	93	196,236	183,333	202,211	181,303
Cheese					
American types	244	483,756	436,283	482,811	477,133
Cheddar	234	344,643	306,347	333,498	327,173
Other American ¹	131	139,113	129,936	149,313	149,960
Blue and Gorgonzola	42	9,189	8,155	7,575	7,859
Brick	15	163	74	127	136
Cream and Neufchatel	26	94,369	88,105	104,684	89,417
Feta	41	9,747	9,380	12,109	12,432
Gouda	89	6,254	5,368	6,990	5,339
Hispanic	62	28,218	31,127	32,745	29,058
Italian types	193	485,660	457,311	519,279	491,105
Mozzarella	126	376,548	356,604	408,184	386,577
Parmesan	44	44,148	42,069	43,694	40,473
Provolone	36	29,733	27,717	30,826	29,552
Ricotta	52	21,492	18,700	23,109	21,043
Romano	25	5,749	4,988	4,630	5,393
Other Italian types	55	7,990	7,233	8,836	8,067
Muenster	42	15,979	15,023	16,380	17,562
Swiss	64	31,197	28,116	31,558	30,394
All other types	199	13,746	12,805	16,916	13,002
Total cheese ²	515	1,178,278	1,091,747	1,231,174	1,173,437
Cottage cheese, curd ³	47	29,324	29,768	31,853	29,363
Cottage cheese, creamed ⁴	49	27,872	28,301	29,527	26,629
Cottage cheese, lowfat ⁵	43	24,194	24,674	26,571	24,821
Sour cream	98	124,280	116,771	126,440	116,700
Yogurt, plain and flavored	158	372,907	376,866	429,558	373,945

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2022 (continued)

Products	May	June	July	August	September
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Butter	179,812	158,979	151,755	142,959	140,552
Cheese					
American types	488,333	466,040	473,984	457,667	446,931
Cheddar	339,704	341,624	340,236	318,114	305,153
Other American ¹	148,629	124,416	133,748	139,553	141,778
Blue and Gorgonzola	7,797	8,009	7,034	7,361	7,217
Brick	171	147	89	110	93
Cream and Neufchatel	103,490	96,800	93,977	96,976	91,102
Feta	12,046	12,206	11,191	12,522	15,544
Gouda	5,624	5,910	4,176	4,261	4,007
Hispanic	31,174	32,259	33,317	35,079	32,965
Italian types	496,930	485,592	488,763	486,732	496,490
Mozzarella	377,519	386,708	392,366	383,858	385,587
Parmesan	37,846	38,019	37,707	38,284	45,010
Provolone	49,105	29,303	29,326	32,262	31,195
Ricotta	20,304	18,701	17,474	20,460	21,177
Romano	4,087	4,770	4,470	4,718	5,284
Other Italian types	8,069	8,091	7,420	7,150	8,237
Muenster	15,702	16,976	16,073	15,405	15,335
Swiss	30,632	28,961	28,618	27,873	26,537
All other types	12,799	12,899	12,916	13,278	14,589
Total cheese ²	1,204,698	1,165,799	1,170,138	1,157,264	1,150,810
Cottage cheese, curd ³	29,226	30,076	30,751	33,424	31,809
Cottage cheese, creamed ⁴	27,362	29,366	28,727	31,436	29,634
Cottage cheese, lowfat ⁵	23,930	24,359	24,826	27,427	25,420
Sour cream	125,804	123,165	115,623	127,030	121,170
Yogurt, plain and flavored	399,140	391,060	379,818	402,223	398,067

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2022 (continued)

Products	October	November	December	Total	2022 as percent of 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter	162,114	171,461	188,022	2,058,737	-0.2
Cheese					
American types ¹	475,411	466,253	485,708	5,640,310	0.4
Cheddar	340,233	323,788	343,228	3,963,741	-0.2
Other American	135,178	142,465	142,480	1,676,569	2.0
Blue and Gorgonzola	7,495	7,744	6,577	92,012	3.7
Brick	112	138	109	1,469	-26.9
Cream and Neufchatel	92,415	86,822	92,120	1,130,277	10.2
Feta	14,549	9,758	9,821	141,305	-16.5
Gouda	3,486	5,146	4,984	61,545	9.3
Hispanic	33,917	33,852	32,636	386,347	9.8
Italian types	499,233	488,746	508,061	5,903,902	2.3
Mozzarella	390,597	384,171	399,393	4,628,112	2.9
Parmesan	43,214	41,034	42,877	494,375	1.8
Provolone	32,349	31,081	30,136	382,585	1.1
Ricotta	21,019	20,216	22,717	246,412	-1.6
Romano	4,123	4,407	4,355	56,974	-15.8
Other Italian types	7,931	7,837	8,583	95,444	6.5
Muenster	16,376	15,610	15,219	191,640	0.1
Swiss	26,958	29,491	30,520	350,855	6.3
All other types	14,586	12,593	12,984	163,113	1.1
Total cheese ²	1,184,538	1,156,153	1,198,739	14,062,775	2.2
Cottage cheese, curd ³	29,255	28,464	29,036	362,349	1.1
Cottage cheese, creamed ⁴	27,832	28,478	29,136	344,300	1.7
Cottage cheese, lowfat ⁵	23,911	22,035	21,858	294,026	-3.0
Sour cream	131,035	133,978	133,622	1,495,618	0.1
Yogurt, plain and flavored	391,563	337,045	371,368	4,623,560	-2.5

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: 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)	69,456	69,221	83,567	83,925
Ice cream, regular, hard	390	57,849	57,855	68,984	68,869
Ice cream, lowfat, total ¹	(NA)	34,245	37,654	48,504	44,183
Ice cream, lowfat, hard	102	17,806	19,436	24,494	20,837
Ice cream, lowfat, soft	(NA)	16,439	18,218	24,010	23,346
Ice cream, nonfat, total	(NA)	734	548	805	1,021
Ice cream, nonfat, hard	30	551	366	617	791
Sherbet, total	(NA)	2,726	2,898	3,156	3,458
Sherbet, hard	124	2,347	2,459	2,505	2,833
Yogurt, total	(NA)	2,534	2,859	3,285	4,633
Yogurt, regular and lowfat, hard	72	1,037	1,100	985	1,052
Yogurt, nonfat, hard	35	126	229	251	223
Other frozen dairy products ²	54	743	790	931	1,125
Water and juice ices ²	103	5,303	5,737	6,773	6,473
Mix for frozen products					
Ice cream, regular, mix	248	36,286	36,395	44,584	45,315
Ice cream, lowfat, mix ³	141	17,301	18,837	25,370	23,588
Ice cream, nonfat, mix	32	397	370	439	538
Sherbet mix	100	1,546	1,770	1,947	2,073
Yogurt mix	81	1,269	1,392	1,484	2,023

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	75,915	82,718	80,172	78,524	68,085
Ice cream, regular, hard	61,176	66,036	64,266	63,223	55,521
Ice cream, lowfat, total ¹	46,148	45,398	45,035	42,874	37,352
Ice cream, lowfat, hard	21,556	20,739	20,002	19,595	17,725
Ice cream, lowfat, soft	24,592	24,659	25,033	23,279	19,627
Ice cream, nonfat, total	1,194	1,145	1,214	1,234	707
Ice cream, nonfat, hard	521	481	556	538	497
Sherbet, total	2,956	3,374	3,597	3,031	2,777
Sherbet, hard	2,386	2,626	2,806	2,355	2,167
Yogurt, total	3,552	4,005	3,705	3,806	3,331
Yogurt, regular and lowfat, hard	978	1,075	1,108	926	1,010
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	6,564	7,098	6,947	6,301	5,403
Mix for frozen products					
Ice cream, regular, mix	38,888	43,546	41,753	41,355	36,096
Ice cream, lowfat, mix ³	25,002	24,922	25,254	23,557	20,215
Ice cream, nonfat, mix	355	368	371	428	396
Sherbet mix	1,726	2,007	2,093	1,875	1,667
Yogurt mix	1,713	1,982	1,817	1,751	1,680

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	66,166	62,584	59,995	880,328	-3.9
Ice cream, regular, hard	54,588	52,147	49,597	720,111	-6.1
Ice cream, lowfat, total ¹	36,067	30,514	29,545	477,519	3.1
Ice cream, lowfat, hard	17,529	14,561	14,237	228,517	-8.9
Ice cream, lowfat, soft	18,538	15,953	15,308	249,002	17.3
Ice cream, nonfat, total	667	679	716	10,664	17.0
Ice cream, nonfat, hard	475	538	584	6,515	15.5
Sherbet, total	2,432	2,218	2,389	35,012	-4.8
Sherbet, hard	1,977	1,792	1,845	28,098	-15.4
Yogurt, total	3,045	2,688	3,075	40,518	15.4
Yogurt, regular and lowfat, hard	952	872	1,067	12,162	-21.0
Yogurt, nonfat, hard	413	281	204	3,191	6.1
Other frozen dairy products ²	955	764	899	11,521	-22.1
Water and juice ices ²	4,984	5,039	4,442	71,064	6.7
Mix for frozen products					
Ice cream, regular, mix	34,821	32,654	32,304	463,997	-4.5
Ice cream, lowfat, mix ³	18,774	16,585	15,498	254,903	-
Ice cream, nonfat, mix	329	373	406	4,770	-5.3
Sherbet mix	1,492	1,333	1,404	20,933	-8.7
Yogurt mix	1,580	1,336	1,726	19,753	4.6

- Represents zero.

(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: 2022

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)	68,561	68,356	83,286	83,429
Ice cream, regular, hard	386	54,581	54,354	66,216	65,427
Ice cream, lowfat, total ¹	(NA)	31,874	34,297	42,726	40,423
Ice cream, lowfat, hard	103	16,361	16,867	21,969	19,879
Ice cream, lowfat, soft	(NA)	15,513	17,430	20,757	20,544
Ice cream, nonfat, total	(NA)	881	804	1,009	1,704
Ice cream, nonfat, hard	29	583	531	683	801
Sherbet, total	(NA)	2,218	2,499	3,200	2,356
Sherbet, hard	115	1,833	2,003	2,614	1,991
Yogurt, total	(NA)	2,765	3,711	4,066	3,509
Yogurt, regular and lowfat, hard	73	804	1,217	1,521	1,047
Yogurt, nonfat, hard	34	248	277	305	207
Other frozen dairy products ²	49	916	843	1,093	1,168
Water and juice ices ²	96	4,492	5,317	6,733	6,002
Mix for frozen products					
Ice cream, regular, mix	243	34,442	34,984	43,163	43,581
Ice cream, lowfat, mix ³	139	16,100	17,273	22,766	21,472
Ice cream, nonfat, mix	34	449	457	608	505
Sherbet mix	92	1,377	1,709	1,999	1,576
Yogurt mix	79	1,696	1,942	2,156	1,771

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2022 (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	78,556	87,459	78,558	83,386	79,526
Ice cream, regular, hard	62,248	66,973	61,063	65,493	63,076
Ice cream, lowfat, total ¹	41,179	43,257	40,620	42,693	37,344
Ice cream, lowfat, hard	18,591	19,907	18,736	20,726	19,168
Ice cream, lowfat, soft	22,588	23,350	21,884	21,967	18,176
Ice cream, nonfat, total	1,503	1,586	1,399	1,029	835
Ice cream, nonfat, hard	695	735	566	731	554
Sherbet, total	2,512	2,523	2,722	2,412	2,458
Sherbet, hard	2,040	2,065	2,224	2,003	1,981
Yogurt, total	4,764	4,572	5,005	3,940	3,115
Yogurt, regular and lowfat, hard	1,059	1,059	1,114	809	928
Yogurt, nonfat, hard	299	284	354	331	399
Other frozen dairy products ²	1,034	1,253	1,116	1,336	1,186
Water and juice ices ²	6,503	7,005	6,847	6,306	5,496
Mix for frozen products					
Ice cream, regular, mix	42,091	45,239	42,150	44,561	40,478
Ice cream, lowfat, mix ³	22,084	24,166	22,840	23,148	20,228
Ice cream, nonfat, mix	545	578	473	499	375
Sherbet mix	1,636	1,674	1,705	1,655	1,566
Yogurt mix	2,069	2,044	1,952	1,880	1,748

See footnote(s) at end of table.

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Ice Cream Production by Product and Month – United States: 2022 (continued)

Products	October	November	December	Total	2022 as percent of 2021
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen products					
Ice cream, regular, total	75,402	67,039	66,087	919,645	4.5
Ice cream, regular, hard	59,468	54,126	53,665	726,690	0.9
Ice cream, lowfat, total ¹	35,656	29,075	27,182	446,326	-6.5
Ice cream, lowfat, hard	18,468	14,696	13,394	218,762	-4.3
Ice cream, lowfat, soft	17,188	14,379	13,788	227,564	-8.6
Ice cream, nonfat, total	875	681	743	13,049	22.4
Ice cream, nonfat, hard	553	498	551	7,481	14.8
Sherbet, total	2,569	1,971	2,094	29,534	-15.6
Sherbet, hard	2,161	1,671	1,678	24,264	-13.6
Yogurt, total	3,826	2,664	3,675	45,612	12.6
Yogurt, regular and lowfat, hard	984	879	1,169	12,590	3.5
Yogurt, nonfat, hard	285	208	210	3,407	6.8
Other frozen dairy products ²	1,041	865	681	12,532	8.8
Water and juice ices ²	5,224	4,773	4,182	68,880	-3.1
Mix for frozen products					
Ice cream, regular, mix	38,451	34,367	33,859	477,366	2.9
Ice cream, lowfat, mix ³	18,094	15,135	14,174	237,480	-6.8
Ice cream, nonfat, mix	486	416	392	5,783	21.2
Sherbet mix	1,624	1,257	1,392	19,170	-8.4
Yogurt mix	2,567	1,984	2,313	24,122	22.1

(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: 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	82,270	74,252	75,611	72,860
Dry whey, animal	21	1,124	816	1,164	1,365
Dry whey, total	(NA)	83,394	75,068	76,775	74,225
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	44	40,518	35,606	40,283	38,724
Animal ²	20	1,110	447	525	1,066
Total ²	(NA)	41,628	36,053	40,808	39,790
25.0-49.9 percent ³	17	15,453	13,144	14,630	13,985
50.0-89.9 percent ³	39	26,175	22,909	26,178	25,805
Whey protein isolates ⁴	20	10,520	9,686	11,371	10,401
Lactose, human and animal	30	92,548	79,546	98,787	93,120
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	68,938	68,143	62,611	59,278
Dry whey, animal	(NA)	772	845	946	995
Dry whey, total	(NA)	69,710	68,988	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)	60,704	62,012	59,089	58,799
Animal ²	(NA)	1,625	1,739	1,466	1,412
Total ²	(NA)	62,329	63,751	60,555	60,211
25.0-49.9 percent ³	(NA)	25,835	24,936	23,332	22,924
50.0-89.9 percent ³	(NA)	36,494	38,815	37,223	37,287
Whey protein isolates ⁴	(NA)	14,120	14,918	13,997	13,059
Lactose, human and animal	(NA)	131,419	136,361	129,184	129,305
	(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	75,863	68,963	76,162	74,744	67,718
Dry whey, animal	1,241	1,175	4,600	1,352	1,358
Dry whey, total	77,104	70,138	80,762	76,096	69,076
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	39,193	36,079	37,609	36,250	36,749
Animal ²	1,425	476	967	1,290	743
Total ²	40,618	36,555	38,576	37,540	37,492
25.0-49.9 percent ³	14,667	13,069	13,016	12,513	13,065
50.0-89.9 percent ³	25,951	23,486	25,560	25,027	24,427
Whey protein isolates ⁴	10,937	10,221	10,892	10,862	10,018
Lactose, human and animal	95,929	96,586	100,170	94,813	93,179
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	66,725	61,018	65,658	66,133	60,047
Dry whey, animal	1,030	830	1,676	1,607	3,170
Dry whey, total	67,755	61,848	67,334	67,740	63,217
Reduced lactose and minerals					
Human and animal ⁶	6,528	6,427	6,944	6,910	7,234
Whey protein concentrate					
Human ²	59,498	59,361	59,693	59,523	61,103
Animal ²	1,993	2,189	2,169	1,562	738
Total ²	61,491	61,550	61,862	61,085	61,841
25.0-49.9 percent ³	23,738	25,943	25,693	23,137	24,474
50.0-89.9 percent ³	37,753	35,607	36,169	37,948	37,367
Whey protein isolates ⁴	12,899	13,855	12,799	11,511	11,626
Lactose, human and animal	133,453	130,849	134,768	140,741	149,292
	(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	18.2	15.8

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	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	66,211	65,954	68,931	869,539	-6.7
Dry whey, animal	4,586	1,902	1,773	22,456	19.7
Dry whey, total	70,797	67,856	70,704	891,995	-6.2
Reduced lactose and minerals					
Human	1,718	1,414	1,908	22,254	0.7
Animal	3,000	3,092	3,468	36,223	2.4
Whey protein concentrate					
Human ²	36,643	35,863	37,256	450,773	-3.9
Animal ²	1,310	1,783	1,706	12,848	32.2
Total ²	37,953	37,646	38,962	463,621	-3.2
25.0-49.9 percent ³	12,346	13,178	13,338	162,404	-10.3
50.0-89.9 percent ³	25,607	24,468	25,624	301,217	1.2
Whey protein isolates ⁴	11,628	11,497	12,110	130,143	16.7
Lactose, human and animal	93,184	88,654	95,704	1,122,220	1.1
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	56,690	57,909	55,273	(X)	(X)
Dry whey, animal	1,552	1,834	676	(X)	(X)
Dry whey, total	58,242	59,743	55,949	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	6,336	6,554	6,901	(X)	(X)
Whey protein concentrate					
Human ²	62,680	65,389	67,142	(X)	(X)
Animal ²	796	1,400	1,653	(X)	(X)
Total ²	63,476	66,789	68,795	(X)	(X)
25.0-49.9 percent ³	22,206	22,452	23,539	(X)	(X)
50.0-89.9 percent ³	41,270	44,337	45,256	(X)	(X)
Whey protein isolates ⁴	12,322	12,947	14,440	(X)	(X)
Lactose, human and animal	157,372	153,908	167,123	(X)	(X)
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	10.4	14.2	13.7	(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: 2022

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	12	8,207	10,023	11,655	10,511
Dry whey products					
Dry whey, human	30	70,198	67,014	76,076	77,905
Dry whey, animal	22	2,568	1,279	1,688	1,541
Dry whey, total	(NA)	72,766	68,293	77,764	79,446
Reduced lactose and minerals					
Human	3	2,043	2,223	2,835	2,727
Animal	3	3,108	2,812	3,003	3,181
Whey protein concentrate					
Human ²	45	37,708	33,622	36,138	35,450
Animal ²	19	932	1,459	626	1,464
Total ²	(NA)	38,640	35,081	36,764	36,914
25.0-49.9 percent ³	18	13,697	12,549	11,409	12,201
50.0-89.9 percent ³	39	24,943	22,532	25,355	24,713
Whey protein isolates ⁴	19	11,992	10,908	11,180	12,011
Lactose, human and animal	30	94,587	84,943	93,521	96,162
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	(NA)	55,335	61,222	67,973	71,476
Dry whey, animal	(NA)	967	1,310	1,015	991
Dry whey, total	(NA)	56,302	62,532	68,988	72,467
Reduced lactose and minerals					
Human and animal ⁶	(NA)	6,852	7,062	7,813	9,193
Whey protein concentrate					
Human ²	(NA)	66,651	66,565	65,896	68,662
Animal ²	(NA)	1,001	1,268	1,387	1,701
Total ²	(NA)	67,652	67,833	67,283	70,363
25.0-49.9 percent ³	(NA)	22,347	22,734	20,935	20,767
50.0-89.9 percent ³	(NA)	45,305	45,099	46,348	49,596
Whey protein isolates ⁴	(NA)	13,602	14,180	14,977	15,291
Lactose, human and animal	(NA)	170,499	172,170	175,082	171,260
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	(NA)	13.9	23.0	42.5	39.9

See footnote(s) at end of table.

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**Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States:
2022 (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	10,217	10,311	10,570	10,420	9,494
Dry whey products					
Dry whey, human	75,957	77,471	79,265	70,335	74,634
Dry whey, animal	3,248	2,591	5,022	4,979	1,158
Dry whey, total	79,205	80,062	84,287	75,314	75,792
Reduced lactose and minerals					
Human	2,438	1,902	2,287	2,063	2,123
Animal	3,208	3,128	3,017	3,251	3,355
Whey protein concentrate					
Human ²	35,573	35,376	35,487	34,093	37,815
Animal ²	756	839	976	1,027	839
Total ²	36,329	36,215	36,463	35,120	38,654
25.0-49.9 percent ³	11,557	12,092	11,911	11,253	13,965
50.0-89.9 percent ³	24,772	24,123	24,552	23,867	24,689
Whey protein isolates ⁴	11,930	12,088	11,394	10,518	10,810
Lactose, human and animal	94,985	98,429	95,345	93,173	91,193
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	71,439	69,652	70,854	65,276	64,509
Dry whey, animal	1,771	1,932	1,202	1,861	2,330
Dry whey, total	73,210	71,584	72,056	67,137	66,839
Reduced lactose and minerals					
Human and animal ⁶	9,120	8,704	8,658	9,129	9,119
Whey protein concentrate					
Human ²	68,597	69,376	74,964	70,887	71,672
Animal ²	1,551	1,282	1,080	1,337	852
Total ²	70,148	70,658	76,044	72,224	72,524
25.0-49.9 percent ³	20,198	21,598	23,159	22,457	25,310
50.0-89.9 percent ³	49,950	49,060	52,885	49,767	47,214
Whey protein isolates ⁴	15,702	17,972	19,425	20,609	21,283
Lactose, human and animal	171,682	166,071	168,474	159,652	160,455
	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁷					
Dry whey, animal	40.9	35.4	32.0	10.6	26.9

See footnote(s) at end of table.

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Whey and Modified Whey Products Production, Stocks, and Prices by Month – United States: 2022 (continued)

Products	October	November	December	Total	2022 as percent of 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Condensed whey, solids content ¹					
Sweet type, human	10,377	9,237	9,347	120,369	-2.6
Dry whey products					
Dry whey, human	74,086	70,227	72,761	885,929	1.9
Dry whey, animal	1,262	1,814	2,169	29,319	30.6
Dry whey, total	75,348	72,041	74,930	915,248	2.6
Reduced lactose and minerals					
Human	3,058	3,187	2,680	29,566	32.9
Animal	2,819	3,037	3,133	37,052	2.3
Whey protein concentrate					
Human ²	38,601	38,772	40,434	439,069	-2.6
Animal ²	725	1,135	1,274	12,052	-6.2
Total ²	39,326	39,907	41,708	451,121	-2.7
25.0-49.9 percent ³	14,054	14,768	15,284	154,740	-4.7
50.0-89.9 percent ³	25,272	25,139	26,424	296,381	-1.6
Whey protein isolates ⁴	9,976	9,015	8,761	130,583	0.3
Lactose, human and animal	91,462	88,620	89,419	1,111,839	-0.9
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	67,072	71,678	68,264	(X)	(X)
Dry whey, animal	1,344	1,290	1,247	(X)	(X)
Dry whey, total	68,416	72,968	69,511	(X)	(X)
Reduced lactose and minerals					
Human and animal ⁶	10,435	12,278	13,138	(X)	(X)
Whey protein concentrate					
Human ²	73,777	74,604	81,276	(X)	(X)
Animal ²	764	1,038	982	(X)	(X)
Total ²	74,541	75,642	82,258	(X)	(X)
25.0-49.9 percent ³	25,535	26,381	29,328	(X)	(X)
50.0-89.9 percent ³	49,006	49,261	52,930	(X)	(X)
Whey protein isolates ⁴	18,458	22,317	23,082	(X)	(X)
Lactose, human and animal	164,156	171,585	172,089	(X)	(X)
	(cents per pounds)	(cents per pounds)	(cents per pounds)	(cents per pounds)	(percent)
Manufacturers' selling price ⁷					
Dry whey, animal	26.9	15.5	16.0	(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: 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	307,427
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	138,191	218,596	197,542
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	155,789	121,559	119,384
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	349,522	351,226	318,811	279,835	243,779
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	170,615	189,735	178,840	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	178.7	176.5

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	145,721	161,011	167,804	2,047,027	2.8
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	246,011	244,785	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	150,301	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	122.4	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.

Canned, Condensed, and Dry Milk Products Production, Stocks, Shipments, and Prices by Month – United States: 2022

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	8,981	10,499	11,440	10,428
Skim, unsweetened	36	102,722	95,550	114,013	112,942
Whole, sweetened	4	12,915	9,289	12,333	13,327
Whole, unsweetened	3	644	494	432	285
Condensed or evaporated buttermilk	13	7,731	6,913	7,321	6,721
Canned milk					
Evaporated and condensed whole ¹	7	36,065	32,917	36,294	44,881
Evaporated skim	2	1,235	2,120	797	116
Dry milk products					
Dry buttermilk, total	21	12,161	12,740	11,553	12,444
Dry skim milk, animal	17	871	661	544	900
Dry whole milk	14	14,251	10,219	11,738	10,710
Milk protein concentrate, total ²	14	23,792	19,276	20,710	21,638
Nonfat dry milk, human	44	170,437	168,997	191,815	195,821
Skim milk powder, total ³	19	51,932	40,138	42,902	44,613
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	(NA)	54,210	55,003	43,884	51,657
Dry milk products					
Dry buttermilk, total	(NA)	22,302	22,832	23,683	24,515
Dry skim milk, animal	(NA)	5,140	7,016	7,632	7,955
Dry whole milk	(NA)	27,059	24,704	24,507	19,464
Nonfat dry milk, human	(NA)	255,740	288,351	287,919	299,123
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	(NA)	10,158	8,963	10,422	8,311
Dry skim milk, animal	(NA)	1,315	1,447	1,304	1,779
Dry whole milk	(NA)	9,194	10,942	13,924	13,099
Nonfat dry milk, human	(NA)	160,471	130,251	187,194	174,575
	(number)	(cents per pound)	(cents per pound)	(cents per pound)	(cents per pound)
Manufacturers' selling price ⁶					
Dry milk products					
Dry buttermilk, human	(NA)	117.6	118.9	145.0	165.7
Dry skim milk, animal	(NA)	140.4	148.6	140.3	144.5
Dry whole milk	(NA)	212.2	235.4	247.6	253.3

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: 2022 (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	10,993	10,170	9,457	8,655	11,022
Skim, unsweetened	120,091	118,062	118,463	118,693	107,963
Whole, sweetened	11,541	13,021	13,215	13,618	11,402
Whole, unsweetened	414	470	563	508	401
Condensed or evaporated buttermilk	6,574	6,286	6,097	6,166	5,715
Canned milk					
Evaporated and condensed whole ¹	41,746	47,137	42,822	41,715	38,127
Evaporated skim	1,406	671	120		1,126
Dry milk products					
Dry buttermilk, total	11,924	10,923	10,843	8,536	9,606
Dry skim milk, animal	1,028	763	616	624	825
Dry whole milk	12,708	11,667	10,543	12,076	12,003
Milk protein concentrate, total ²	22,195	19,026	15,446	14,386	14,452
Nonfat dry milk, human	192,677	168,971	165,726	133,625	122,804
Skim milk powder, total ³	50,753	54,406	61,008	65,551	68,422
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	56,735	59,641	63,365	73,380	68,342
Dry milk products					
Dry buttermilk, total	24,746	26,256	24,195	26,363	30,235
Dry skim milk, animal	8,436	7,709	8,144	7,286	8,916
Dry whole milk	19,933	16,101	16,343	14,177	13,376
Nonfat dry milk, human	317,325	308,755	333,129	312,818	273,195
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	8,737	10,305	10,798	8,010	6,804
Dry skim milk, animal	1,186	2,116	835	1,542	996
Dry whole milk	14,971	14,888	10,384	14,869	11,353
Nonfat dry milk, human	173,193	166,605	151,166	160,739	159,279
	(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	150.8	162.8	164.5	170.7	164.4
Dry skim milk, animal	115.3	118.4	121.0	104.2	120.9
Dry whole milk	252.7	252.7	255.1	256.7	250.5

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: 2022 (continued)

Products	October	November	December	Total	2022 as percent of 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
Production					
Bulk condensed milk					
Skim, sweetened	12,345	6,150	8,089	118,229	-4.1
Skim, unsweetened	115,143	98,941	102,917	1,325,500	-1.5
Whole, sweetened	12,923	12,526	10,024	146,134	-2.0
Whole, unsweetened	402	368	258	5,239	-74.1
Condensed or evaporated buttermilk	6,508	6,576	7,409	80,017	-2.0
Canned milk					
Evaporated and condensed whole ¹	41,212	45,719	46,482	495,117	-7.2
Evaporated skim	1,133	1,138	1,158	11,020	-25.8
Dry milk products					
Dry buttermilk, total	10,779	12,548	14,168	138,225	5.0
Dry skim milk, animal	782	615	602	8,831	5.6
Dry whole milk	11,936	10,580	8,441	136,872	-7.7
Milk protein concentrate, total ²	18,034	14,686	17,647	221,288	12.6
Nonfat dry milk, human	129,037	160,743	167,711	1,968,364	-3.8
Skim milk powder, total ³	65,285	49,110	63,766	657,886	-5.7
Manufacturers' stocks end of month ⁴					
Canned milk					
Evaporated and condensed whole ¹	57,560	41,990	39,552	(X)	(X)
Dry milk products					
Dry buttermilk, total	32,146	34,623	35,131	(X)	(X)
Dry skim milk, animal	7,610	7,203	8,075	(X)	(X)
Dry whole milk	15,116	14,366	15,202	(X)	(X)
Nonfat dry milk, human	250,704	251,552	255,687	(X)	(X)
Manufacturers' shipments ⁵					
Dry milk products					
Dry buttermilk, human	7,469	7,882	9,393	(X)	(X)
Dry skim milk, animal	1,564	1,654	1,277	(X)	(X)
Dry whole milk	12,196	12,317	6,176	(X)	(X)
Nonfat dry milk, human	152,791	162,495	168,801	(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	138.9	146.7	106.8	(X)	(X)
Dry skim milk, animal	99.2	104.3	124.0	(X)	(X)
Dry whole milk	247.2	253.0	244.2	(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: 2022 and Total 2021-2022

State and region	2022							
	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	191,040	199,386	214,341	205,382	213,552	204,646	210,742	206,755
Idaho	87,483	73,069	89,304	86,418	76,745	84,149	85,926	73,689
Illinois	6,268	5,864	5,363	5,913	5,970	5,900	5,688	5,316
Iowa	33,242	30,484	31,502	31,635	33,961	32,197	31,510	32,270
Minnesota	67,796	62,930	69,475	68,704	68,978	66,771	67,321	68,053
New Jersey	5,109	4,555	5,951	4,407	4,251	4,722	5,259	5,221
New Mexico	84,056	75,934	83,302	78,891	84,173	79,427	79,163	80,707
New York	71,222	62,892	79,793	67,255	78,387	67,288	68,145	68,943
Ohio	22,938	20,307	23,436	22,686	22,493	19,831	19,743	20,366
Pennsylvania	37,256	35,915	39,774	38,448	39,383	38,778	37,541	35,896
South Dakota	47,154	42,257	48,032	45,528	44,823	42,916	43,834	43,058
Vermont	12,336	11,427	12,728	12,681	12,875	12,168	12,185	12,133
Wisconsin	296,516	272,400	311,348	295,534	298,174	297,244	284,877	291,968
Other States ¹	215,862	194,327	216,825	209,955	220,933	209,762	218,204	212,889
United States	1,178,278	1,091,747	1,231,174	1,173,437	1,204,698	1,165,799	1,170,138	1,157,264
Atlantic	135,891	125,833	150,267	134,788	146,888	134,064	134,897	133,892
Central	583,279	532,362	598,518	575,968	584,215	569,979	560,233	566,441
West	459,108	433,552	482,389	462,681	473,595	461,756	475,008	456,931
State and region	2022					2021		
	September (1,000 pounds)	October (1,000 pounds)	November (1,000 pounds)	December (1,000 pounds)	Total (1,000 pounds)	Plants (number)	Total (1,000 pounds)	Plants (number)
California	193,458	205,948	206,297	208,991	2,460,538	51	2,438,397	49
Idaho	86,570	85,201	74,507	86,478	989,539	8	1,004,673	8
Illinois	5,058	5,705	6,005	5,927	68,977	11	65,211	12
Iowa	31,579	32,228	34,025	35,363	389,996	17	343,703	14
Minnesota	64,623	69,255	67,386	70,252	811,544	12	772,106	11
New Jersey	5,325	5,587	5,426	5,967	61,780	14	60,884	15
New Mexico	77,408	83,484	80,741	83,452	970,738	4	957,829	4
New York	70,353	72,736	69,806	66,828	843,648	62	846,161	62
Ohio	19,450	19,579	21,286	23,219	255,334	18	249,341	18
Pennsylvania	36,486	35,881	35,348	39,896	450,602	39	427,990	40
South Dakota	44,399	44,267	42,752	44,209	533,229	8	518,901	7
Vermont	11,640	12,164	12,568	12,909	147,814	32	143,420	32
Wisconsin	292,981	294,562	285,983	298,496	3,520,083	118	3,492,789	115
Other States ¹	211,480	217,941	214,023	216,752	2,558,953	121	2,439,622	126
United States	1,150,810	1,184,538	1,156,153	1,198,739	14,062,775	515	13,761,027	513
Atlantic	134,821	137,892	134,866	137,926	1,642,025	198	1,622,552	204
Central	563,220	573,756	563,754	587,435	6,859,160	227	6,648,677	220
West	452,769	472,890	457,533	473,378	5,561,590	90	5,489,798	89

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: 2022 and Total 2021-2022

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

State and region	2022							
	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	47,261	43,417	49,098	47,126	50,513	47,205	46,495	44,996
Iowa	16,912	15,493	16,980	17,026	18,396	17,656	17,392	16,555
Minnesota	55,714	51,378	56,948	57,169	58,757	55,929	57,599	57,719
New York	12,219	11,175	11,651	11,634	12,072	11,939	12,191	12,168
Wisconsin	93,436	82,770	92,186	90,577	89,499	87,342	87,282	87,626
Other States ¹	258,214	232,050	255,948	253,601	259,096	245,969	253,025	238,603
United States	483,756	436,283	482,811	477,133	488,333	466,040	473,984	457,667
Atlantic	29,416	26,486	27,957	28,871	29,378	27,977	28,672	28,871
Central	261,610	235,589	262,424	258,298	263,131	252,716	254,980	248,225
West	192,730	174,208	192,430	189,964	195,824	185,347	190,332	180,571

State and region	2022					2021		
	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	40,096	45,502	45,032	46,482	553,223	12	574,806	11
Iowa	16,081	17,569	18,961	19,026	208,047	14	184,841	11
Minnesota	54,225	59,685	55,582	59,665	680,370	8	633,574	8
New York	11,817	10,876	11,827	12,353	141,922	21	140,646	23
Wisconsin	81,396	89,033	88,226	93,110	1,062,483	66	1,091,552	61
Other States ¹	243,316	252,746	246,625	255,072	2,994,265	123	2,989,752	130
United States	446,931	475,411	466,253	485,708	5,640,310	244	5,615,171	244
Atlantic	27,649	27,607	28,763	29,861	341,508	77	339,727	86
Central	242,160	257,452	253,819	266,901	3,057,305	130	2,994,585	122
West	177,122	190,352	183,671	188,946	2,241,497	37	2,280,859	36

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: 2022 and Total 2021-2022

State and region	2022							
	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	23,366	22,114	23,073	21,342	24,127	26,572	24,911	22,583
Vermont	8,808	8,007	8,782	8,993	9,267	8,496	8,588	8,638
Wisconsin	64,010	55,825	60,979	60,828	59,426	59,553	59,556	57,888
Other States ¹	248,459	220,401	240,664	236,010	246,884	247,003	247,181	229,005
United States	344,643	306,347	333,498	327,173	339,704	341,624	340,236	318,114
Atlantic	27,605	24,595	25,890	26,389	27,468	26,147	26,386	26,675
Central	186,836	166,742	178,650	177,514	180,901	181,083	180,655	170,521
West	130,202	115,010	128,958	123,270	131,335	134,394	133,195	120,918

State and region	2022						2021	
	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	17,524	22,871	22,890	23,940	275,313	11	287,142	10
Vermont	8,283	8,591	9,073	9,370	104,896	14	103,523	16
Wisconsin	53,424	59,769	57,988	61,661	710,907	66	738,830	61
Other States ¹	225,922	249,002	233,837	248,257	2,872,625	143	2,841,183	142
United States	305,153	340,233	323,788	343,228	3,963,741	234	3,970,678	229
Atlantic	25,735	25,847	26,592	27,948	317,277	70	318,772	75
Central	161,993	181,483	169,729	183,953	2,120,060	128	2,088,317	120
West	117,425	132,903	127,467	131,327	1,526,404	36	1,563,589	34

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: 2022 and Total 2021-2022

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

State and region	2022							
	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	23,895	21,303	26,025	25,784	26,386	20,633	21,584	22,413
Wisconsin	29,426	26,945	31,207	29,749	30,073	27,789	27,726	29,738
Other States ¹	85,792	81,688	92,081	94,427	92,170	75,994	84,438	87,402
United States	139,113	129,936	149,313	149,960	148,629	124,416	133,748	139,553
Atlantic	1,811	1,891	2,067	2,482	1,910	1,830	2,286	2,196
Central	74,774	68,847	83,774	80,784	82,230	71,633	74,325	77,704
West	62,528	59,198	63,472	66,694	64,489	50,953	57,137	59,653
State and region	2022						2021	
	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	22,572	22,631	22,142	22,542	277,910	9	287,664	9
Wisconsin	27,972	29,264	30,238	31,449	351,576	39	352,722	39
Other States ¹	91,234	83,283	90,085	88,489	1,047,083	83	1,004,107	87
United States	141,778	135,178	142,465	142,480	1,676,569	131	1,644,493	135
Atlantic	1,914	1,760	2,171	1,913	24,231	35	20,955	39
Central	80,167	75,969	84,090	82,948	937,245	75	906,268	73
West	59,697	57,449	56,204	57,619	715,093	21	717,270	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: 2022 and Total 2021-2022

State and region	2022							
	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	122,060	133,037	139,740	133,669	138,858	133,080	139,805	136,922
Minnesota	11,757	11,243	12,160	11,210	9,917	10,532	9,505	10,018
New Jersey	2,787	2,251	3,201	2,231	1,914	2,171	2,840	2,727
New York	31,128	27,405	30,903	28,380	32,531	26,413	25,219	28,558
Pennsylvania	24,278	22,008	24,118	23,007	23,955	22,588	23,124	22,065
Wisconsin	137,430	127,455	149,693	140,842	141,026	141,772	135,793	137,532
Other States ¹	156,220	133,912	159,464	151,766	148,729	149,036	152,477	148,910
United States	485,660	457,311	519,279	491,105	496,930	485,592	488,763	486,732
Atlantic	59,919	55,549	63,000	57,472	62,419	54,769	55,126	57,104
Central	206,471	189,958	219,275	208,042	206,134	203,577	198,972	205,452
West	219,270	211,804	237,004	225,591	228,377	227,246	234,665	224,176

State and region	2022					2021		
	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	129,583	136,701	136,176	139,407	1,619,038	26	1,600,364	28
Minnesota	10,105	9,272	11,490	10,290	127,499	5	135,266	5
New Jersey	2,589	2,876	2,708	3,433	31,728	9	30,095	10
New York	27,275	30,672	29,918	28,883	347,285	18	346,035	20
Pennsylvania	22,562	22,247	20,820	24,969	275,741	13	274,404	12
Wisconsin	147,639	140,324	139,329	141,532	1,680,367	53	1,654,508	53
Other States ¹	156,737	157,141	148,305	159,547	1,822,244	69	1,728,037	76
United States	496,490	499,233	488,746	508,061	5,903,902	193	5,768,709	204
Atlantic	56,049	59,378	57,324	61,531	699,640	67	700,664	76
Central	214,408	207,910	208,017	210,557	2,478,773	85	2,409,818	84
West	226,033	231,945	223,405	235,973	2,725,489	41	2,658,227	44

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: 2022 and Total 2021-2022

State and region	2022							
	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	109,211	122,011	130,099	124,422	129,177	124,484	128,679	126,442
New Jersey	1,342	1,062	1,405	1,197	1,152	1,292	1,490	1,379
New York	15,699	13,913	15,542	14,427	13,325	13,316	12,684	14,053
Pennsylvania	20,550	17,869	19,624	18,849	19,504	18,757	19,068	17,622
Wisconsin	88,115	81,652	97,227	90,544	78,025	90,836	88,354	87,601
Other States ¹	141,631	120,097	144,287	137,138	136,336	138,023	142,091	136,761
United States	376,548	356,604	408,184	386,577	377,519	386,708	392,366	383,858
Atlantic	38,482	35,486	39,275	36,827	36,747	35,848	36,152	35,662
Central	133,455	121,681	143,365	135,203	123,510	133,794	134,137	136,016
West	204,611	199,437	225,544	214,547	217,262	217,066	222,077	212,180
State and region	2022						2021	
	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	115,600	121,028	126,011	128,547	1,485,711	22	1,475,458	23
New Jersey	1,330	1,374	1,283	1,502	15,808	7	15,118	8
New York	12,135	14,909	14,349	13,208	167,560	15	170,598	14
Pennsylvania	18,335	18,213	16,699	20,907	225,997	6	224,690	6
Wisconsin	94,492	88,831	88,473	88,472	1,062,622	35	1,053,829	35
Other States ¹	143,695	146,242	137,356	146,757	1,670,414	41	1,557,482	42
United States	385,587	390,597	384,171	399,393	4,628,112	126	4,497,175	128
Atlantic	34,144	37,072	35,221	38,715	439,631	39	444,929	40
Central	141,019	139,055	136,900	137,382	1,615,517	56	1,539,712	55
West	210,424	214,470	212,050	223,296	2,572,964	31	2,512,534	33

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: 2021 and 2022

Type	2021	2022	2022 as percent of 2021
	(1,000 pounds)	(1,000 pounds)	(percent)
Hard			
Provolone and similars	378,384	382,585	1.1
Romano and similars	67,695	56,974	-15.8
Parmesan and similars	485,418	494,375	1.8
Other hard	60,787	63,292	4.1
Total hard	992,284	997,226	0.5
Soft			
Mozzarella and similars	4,497,175	4,628,112	2.9
Ricotta and similars	250,429	246,412	-1.6
Other soft	28,821	32,152	11.6
Total soft	4,776,425	4,906,676	2.7
Total hard and soft	5,768,709	5,903,902	2.3

Total Italian Cheese Production by Type – Regions and United States: 2021 and 2022

Region	Hard types		Soft types		Total	
	2021	2022	2021	2022	2021	2022
	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)	(1,000 lbs)
Atlantic	118,034	121,282	582,630	578,358	700,664	699,640
Central	733,579	729,665	1,676,239	1,749,108	2,409,818	2,478,773
West	140,671	146,279	2,517,556	2,579,210	2,658,227	2,725,489
United States	992,284	997,226	4,776,425	4,906,676	5,768,709	5,903,902

Miscellaneous Italian Cheese Production – States and United States: 2021 and 2022

State	Provolone		Romano		Parmesan		Ricotta	
	2021	2022	2021	2022	2021	2022	2021	2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Wisconsin	201,604	203,365	34,147	30,955	231,025	251,884	(D)	46,372
Other States ¹ ..	176,780	179,220	33,548	26,019	254,393	242,491	250,429	200,040
United States ...	378,384	382,585	67,695	56,974	485,418	494,375	250,429	246,412

(D) Withheld to avoid disclosing data for individual operations.

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: 2022 and Total 2021-2022

State	2022							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Ohio	14,276	12,718	14,738	13,900	13,860	12,680	12,916	12,053
Pennsylvania	579	530	601	678	684	731	647	644
Wisconsin	1,248	1,226	1,434	1,383	1,275	1,358	966	1,348
Other States ¹	15,094	13,642	14,785	14,433	14,813	14,192	14,089	13,828
United States	31,197	28,116	31,558	30,394	30,632	28,961	28,618	27,873

State	2022						2021	
	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	11,580	10,775	12,315	13,363	155,174	12	157,618	12
Pennsylvania	598	624	623	701	7,640	8	7,335	9
Wisconsin	1,280	1,417	1,426	1,234	15,595	11	(D)	(D)
Other States ¹	13,079	14,142	15,127	15,222	172,446	33	165,113	43
United States	26,537	26,958	29,491	30,520	350,855	64	330,066	64

(D) Withheld to avoid disclosing data for individual operations.

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: 2022 and Total 2021-2022

State	2022							
	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	11,931	13,562	14,832	13,396	13,315	13,624	13,821	15,247
Wisconsin	9,420	10,099	10,577	9,399	9,998	10,265	10,932	11,127
Other States ¹	6,867	7,466	7,336	6,263	7,861	8,370	8,564	8,705
United States	28,218	31,127	32,745	29,058	31,174	32,259	33,317	35,079

State	2022						2021	
	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	14,002	13,685	14,501	13,820	165,736	11	153,949	12
Wisconsin	11,448	12,092	11,396	10,858	127,611	22	111,474	23
Other States ¹	7,515	8,140	7,955	7,958	93,000	29	86,570	30
United States	32,965	33,917	33,852	32,636	386,347	62	351,993	65

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: 2022 and Total 2021-2022

State	2022							
	January	February	March	April	May	June	July	August
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	5,359	5,114	5,109	6,146	5,690	5,056	5,138	4,388
Wisconsin	5,883	5,086	5,764	5,445	5,737	5,878	5,383	6,110
Other States ¹	4,737	4,823	5,507	5,971	4,275	6,042	5,552	4,907
United States	15,979	15,023	16,380	17,562	15,702	16,976	16,073	15,405

State	2022						2021	
	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	4,685	5,135	4,969	4,547	61,336	3	53,872	3
Wisconsin	5,464	5,576	5,546	5,997	67,869	25	72,312	23
Other States ¹	5,186	5,665	5,095	4,675	62,435	14	65,347	16
United States	15,335	16,376	15,610	15,219	191,640	42	191,531	42

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

Processed Cheeses and Combinations Production – United States: 2013-2022

Year	Processed cheese ¹		Processed cheese foods and spreads ²	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
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	2,010,903	23	634,621
2022	28	2,012,250	24	638,123

Year	Cold pack cheese and cheese foods ²		Total	
	Plants	Production	Plants	Production
	(number)	(1,000 pounds)	(number)	(1,000 pounds)
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	2,814,036
2022	17	164,251	48	2,814,624

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: 2022 and Total 2021-2022

[Fat content less than 4 percent]

State and region	2022							
	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	6,566	7,497	7,676	7,538	7,229	7,427	7,026	8,693
Ohio	1,870	1,887	2,522	2,058	1,844	1,806	1,596	2,214
Other States ¹	15,758	15,290	16,373	15,225	14,857	15,126	16,204	16,520
United States	24,194	24,674	26,571	24,821	23,930	24,359	24,826	27,427
Atlantic	6,874	7,872	7,912	7,846	7,514	7,738	7,254	8,972
Central	8,445	8,623	9,572	8,641	8,545	8,770	8,812	9,870
West	8,875	8,179	9,087	8,334	7,871	7,851	8,760	8,585

State and region	2022					2021		
	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	7,722	6,896	6,645	6,512	87,427	6	89,266	6
Ohio	1,696	1,886	1,652	1,389	22,420	5	20,129	5
Other States ¹	16,002	15,129	13,738	13,957	184,179	32	193,841	35
United States	25,420	23,911	22,035	21,858	294,026	43	303,236	46
Atlantic	7,910	7,176	6,929	6,769	90,766	9	93,286	10
Central	9,474	8,571	7,868	7,828	105,019	19	107,990	19
West	8,036	8,164	7,238	7,261	98,241	15	101,960	17

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: 2022 and Total 2021-2022

[Fat content more than 4 percent]

State and region	2022							
	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	8,287	9,004	8,635	7,978	8,324	8,995	8,761	9,537
Ohio	3,652	3,615	3,892	3,209	3,920	4,186	4,312	4,777
Other States ¹	15,933	15,682	17,000	15,442	15,118	16,185	15,654	17,122
United States	27,872	28,301	29,527	26,629	27,362	29,366	28,727	31,436
Atlantic	8,892	9,664	9,219	8,583	8,960	9,669	9,336	10,178
Central	13,665	13,628	15,074	13,423	13,595	14,436	14,164	15,817
West	5,315	5,009	5,234	4,623	4,807	5,261	5,227	5,441
State and region	2022						2021	
	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	8,908	8,656	9,348	10,005	106,438	7	97,483	7
Ohio	4,008	3,797	3,450	3,563	46,381	5	42,565	5
Other States ¹	16,718	15,379	15,680	15,568	191,481	37	198,498	37
United States	29,634	27,832	28,478	29,136	344,300	49	338,546	49
Atlantic	9,506	9,176	10,018	10,681	113,882	11	105,693	10
Central	14,938	13,583	13,519	13,484	169,326	21	169,448	22
West	5,190	5,073	4,941	4,971	61,092	17	63,405	17

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: 2022 and Total 2021-2022

[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	2022							
	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	8,166	8,685	9,163	8,524	8,641	8,812	8,705	9,703
Ohio	2,762	2,818	3,282	2,705	2,941	3,065	3,011	3,531
Other States ¹	18,396	18,265	19,408	18,134	17,644	18,199	19,035	20,190
United States	29,324	29,768	31,853	29,363	29,226	30,076	30,751	33,424
Atlantic	8,904	9,511	9,783	9,222	9,359	9,515	9,305	10,489
Central	13,266	13,583	14,873	13,385	13,378	14,044	14,088	15,645
West	7,154	6,674	7,197	6,756	6,489	6,517	7,358	7,290

State and region	2022					2021		
	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	9,198	8,448	8,278	8,771	105,094	8	102,521	9
Ohio	2,900	2,885	2,586	2,507	34,993	5	31,827	5
Other States ¹	19,711	17,922	17,600	17,758	222,262	34	223,966	35
United States	31,809	29,255	28,464	29,036	362,349	47	358,314	49
Atlantic	9,761	9,113	9,014	9,458	113,434	12	112,358	13
Central	15,174	13,413	13,146	13,315	167,310	23	163,125	22
West	6,874	6,729	6,304	6,263	81,605	12	82,831	14

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: 2022 and Total 2021-2022

State and region	2022							
	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	16,387	15,423	18,703	16,576	15,945	16,362	15,352	17,958
New York	20,156	19,381	20,337	18,819	21,147	21,086	20,737	22,950
Pennsylvania	161	175	285	235	215	210	176	243
Other States ¹	87,576	81,792	87,115	81,070	88,497	85,507	79,358	85,879
United States	124,280	116,771	126,440	116,700	125,804	123,165	115,623	127,030
Atlantic	22,868	21,927	23,441	21,685	24,074	23,775	23,191	26,363
Central	65,273	62,115	66,222	63,269	68,206	65,657	60,607	64,582
West	36,139	32,729	36,777	31,746	33,524	33,733	31,825	36,085

State and region	2022						2021	
	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	16,327	17,423	17,205	15,648	199,309	16	196,622	16
New York	21,118	24,183	21,932	23,425	255,271	13	257,124	12
Pennsylvania	218	189	210	198	2,515	6	2,353	6
Other States ¹	83,507	89,240	94,631	94,351	1,038,523	63	1,037,375	65
United States	121,170	131,035	133,978	133,622	1,495,618	98	1,493,474	99
Atlantic	23,574	27,334	25,073	26,265	289,570	30	292,969	29
Central	63,931	65,721	71,285	71,222	788,090	37	784,788	38
West	33,665	37,980	37,620	36,135	417,958	31	415,717	32

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: 2022 and Total 2021-2022

State and region	2022								
	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)	(1,000 pounds)
California	62,743	59,212	69,702	60,539	59,301	54,709	54,321	51,171	
Pennsylvania	7,785	7,508	8,029	7,471	8,341	7,186	7,477	7,366	
Other States ¹	125,708	116,613	124,480	113,293	112,170	97,084	89,957	84,422	
United States	196,236	183,333	202,211	181,303	179,812	158,979	151,755	142,959	
Atlantic	16,904	16,401	17,646	15,141	15,060	13,144	11,708	11,420	
Central	77,757	71,598	75,474	67,514	68,150	56,315	51,597	47,933	
West	101,575	95,334	109,091	98,648	96,602	89,520	88,450	83,606	
State and region	2022						2021		
	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	47,739	51,229	56,379	58,908	685,953	11	672,431	11	
Pennsylvania	6,834	6,679	7,078	7,943	89,697	5	89,428	6	
Other States ¹	85,979	104,206	108,004	121,171	1,283,087	77	1,300,866	81	
United States	140,552	162,114	171,461	188,022	2,058,737	93	2,062,725	98	
Atlantic	10,861	11,248	12,975	16,243	168,751	39	168,486	43	
Central	49,434	64,296	66,404	75,868	772,340	34	802,341	34	
West	80,257	86,570	92,082	95,911	1,117,646	20	1,091,898	21	

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: 2022 and Total 2021-2022

State and region	2022							
	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	29,438	29,310	33,313	31,121	31,743	32,959	31,470	34,517
New York	60,239	65,937	68,786	68,312	70,829	62,186	63,499	68,060
Other States ¹	283,230	281,619	327,459	274,512	296,568	295,915	284,849	299,646
United States	372,907	376,866	429,558	373,945	399,140	391,060	379,818	402,223
Atlantic	106,336	114,244	122,413	117,373	113,031	107,595	111,444	112,341
Central	159,202	152,177	181,017	153,606	165,903	169,239	158,165	169,311
West	107,369	110,445	126,128	102,966	120,206	114,226	110,209	120,571
State and region	2022						2021	
	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	34,717	32,748	28,864	27,639	377,839	15	374,637	15
New York	67,685	65,758	60,000	71,965	793,256	37	774,881	37
Other States ¹	295,665	293,057	248,181	271,764	3,452,465	106	3,594,758	106
United States	398,067	391,563	337,045	371,368	4,623,560	158	4,744,276	158
Atlantic	112,070	108,330	100,820	113,506	1,339,503	85	1,354,643	86
Central	172,993	166,359	141,346	159,627	1,948,945	40	1,998,119	40
West	113,004	116,874	94,879	98,235	1,335,112	33	1,391,514	32

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: 2022 and Total 2021-2022

State and region	2022							
	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	8,225	7,973	9,143	9,388	9,190	8,659	9,917	10,176
New York	4,408	6,482	5,416	5,837	8,789	9,366	7,265	8,587
Other States ¹	90,089	81,095	99,454	97,717	102,112	100,037	101,281	99,930
United States	102,722	95,550	114,013	112,942	120,091	118,062	118,463	118,693
Atlantic	32,126	30,630	34,326	33,075	38,821	37,500	33,673	35,874
Central	43,665	40,678	43,656	45,342	47,931	48,281	51,267	48,360
West	26,931	24,242	36,031	34,525	33,339	32,281	33,523	34,459
State and region	2022						2021	
	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	9,171	10,200	8,390	7,805	108,237	4	111,675	5
New York	5,126	6,565	6,355	6,441	80,637	5	87,485	5
Other States ¹	93,666	98,378	84,196	88,671	1,136,626	27	1,147,018	28
United States	107,963	115,143	98,941	102,917	1,325,500	36	1,346,178	38
Atlantic	31,625	38,320	29,794	29,356	405,120	12	348,143	12
Central	47,814	42,841	40,723	46,497	547,055	13	610,343	14
West	28,524	33,982	28,424	27,064	373,325	11	387,692	12

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: 2022 and Total 2021-2022

State and region	2022							
	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	79,452	82,107	92,289	91,368	85,300	67,847	69,991	50,105
Pennsylvania	15,377	14,011	15,900	15,902	16,706	15,300	14,698	12,557
Wisconsin	2,368	917	566	2,697	1,282	1,172	2,058	1,759
Other States ¹	73,240	71,962	83,060	85,854	89,389	84,652	78,979	69,204
United States	170,437	168,997	191,815	195,821	192,677	168,971	165,726	133,625
Atlantic	28,526	26,224	32,402	32,369	32,743	31,593	30,244	25,125
Central	30,776	32,284	34,159	41,356	42,105	38,374	35,891	32,096
West	111,135	110,489	125,254	122,096	117,829	99,004	99,591	76,404

State and region	2022						2021	
	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	39,355	53,010	73,518	75,904	860,246	9	895,726	9
Pennsylvania	12,448	11,805	13,684	15,844	174,232	3	173,956	3
Wisconsin	1,637	889	1,434	1,604	18,383	3	23,980	4
Other States ¹	69,364	63,333	72,107	74,359	915,503	29	953,365	31
United States	122,804	129,037	160,743	167,711	1,968,364	44	2,047,027	47
Atlantic	22,277	19,959	24,703	29,060	335,225	10	332,860	9
Central	30,165	29,870	32,337	32,701	412,114	13	400,244	16
West	70,362	79,208	103,703	105,950	1,221,025	21	1,313,923	22

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: 2022 and Total 2021-2022

State	2022							
	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	5,551	5,831	5,352	5,293	4,853	4,708	4,589	4,687
Other States ¹	6,610	6,909	6,201	7,151	7,071	6,215	6,254	3,849
United States	12,161	12,740	11,553	12,444	11,924	10,923	10,843	8,536
State	2022						2021	
	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	4,024	4,734	5,285	5,183	60,090	6	62,811	7
Other States ¹	5,582	6,045	7,263	8,985	78,135	15	68,884	14
United States	9,606	10,779	12,548	14,168	138,225	21	131,695	21

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: 2022 and Total 2021-2022

State and region	2022							
	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	10,567	10,304	12,064	11,704	11,416	12,037	11,854	9,578
Wisconsin	22,016	20,940	23,117	24,148	22,128	24,237	24,909	21,996
Other States ¹	37,615	35,770	40,895	42,053	42,413	41,197	42,502	38,761
United States	70,198	67,014	76,076	77,905	75,957	77,471	79,265	70,335
Atlantic	21,106	20,096	22,831	21,737	21,723	22,094	21,621	18,267
Central	32,466	31,951	36,597	35,329	34,336	35,001	36,171	32,581
West	16,626	14,967	16,648	20,839	19,898	20,376	21,473	19,487
State and region	2022						2021	
	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	11,496	11,206	10,412	10,630	133,268	5	135,564	5
Wisconsin	24,209	22,248	22,973	24,123	277,044	9	289,836	8
Other States ¹	38,929	40,632	36,842	38,008	475,617	16	444,139	13
United States	74,634	74,086	70,227	72,761	885,929	30	869,539	26
Atlantic	21,260	20,116	19,139	21,335	251,325	9	259,121	8
Central	34,033	33,389	33,931	34,702	410,487	14	416,144	12
West	19,341	20,581	17,157	16,724	224,117	7	194,274	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: 2022 and Total 2021-2022

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

State and region	2022							
	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	5,128	5,373	6,847	7,543	7,342	7,739	7,140	7,385
Connecticut	869	1,100	689	1,590	1,392	1,418	1,313	1,477
New York	2,124	1,952	2,086	2,530	2,281	2,455	2,561	2,480
Ohio	2,510	1,846	2,309	1,941	1,938	2,475	2,359	2,665
Oregon	895	878	1,081	1,038	1,001	1,016	951	994
Pennsylvania	2,217	2,510	2,799	3,191	2,817	3,368	3,211	3,440
Tennessee	1,878	1,790	2,113	2,038	2,076	1,844	1,837	2,001
Utah	1,096	1,332	1,502	1,709	1,647	1,641	1,385	1,582
Wisconsin	615	669	887	578	725	874	887	810
Other States ¹	37,249	36,904	45,903	43,269	41,029	44,143	39,419	42,659
United States	54,581	54,354	66,216	65,427	62,248	66,973	61,063	65,493
Atlantic	12,081	13,129	13,909	16,352	14,196	14,056	15,009	14,924
Central	33,596	31,881	40,763	36,914	36,252	40,528	34,842	38,880
West	8,904	9,344	11,544	12,161	11,800	12,389	11,212	11,689
State and region	2022						2021	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
California	6,908	6,904	5,330	4,300	77,939	22	77,051	21
Connecticut	1,449	1,449	1,277	985	15,008	17	15,641	17
New York	2,256	2,187	1,544	1,547	26,003	28	25,809	28
Ohio	2,189	2,353	2,153	2,173	26,911	29	29,498	30
Oregon	952	973	932	1,011	11,722	4	11,237	5
Pennsylvania	3,117	2,738	3,240	3,287	35,935	30	37,888	30
Tennessee	2,266	2,053	2,088	1,528	23,512	3	24,103	3
Utah	1,390	1,524	1,272	1,150	17,230	7	17,962	7
Wisconsin	677	586	572	511	8,391	28	7,729	24
Other States ¹	41,872	38,701	35,718	37,173	484,039	218	473,193	225
United States	63,076	59,468	54,126	53,665	726,690	386	720,111	390
Atlantic	14,565	14,638	12,604	12,180	167,643	197	167,143	196
Central	37,324	33,806	32,620	33,404	430,810	140	426,190	145
West	11,187	11,024	8,902	8,081	128,237	49	126,778	49

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: 2022 and Total 2021-2022

State and region	2022							
	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	3,855	4,117	5,247	5,494	5,418	5,680	5,391	5,488
Connecticut	801	713	887	1,359	1,022	1,006	1,184	1,058
Illinois	2,081	2,190	2,727	2,641	2,596	2,735	2,754	2,777
Indiana	1,255	1,266	1,614	1,569	1,665	1,685	1,553	1,464
Missouri	1,371	1,571	1,403	1,601	1,403	1,438	1,455	1,448
New Jersey	281	268	418	430	375	756	777	670
New York	1,153	1,073	1,229	1,425	1,443	1,481	1,586	1,519
Ohio	1,276	982	1,246	1,022	1,045	1,333	1,269	1,435
Oregon	975	1,011	1,174	1,114	1,150	1,395	1,271	1,209
Pennsylvania	1,242	1,417	1,537	2,214	1,713	2,016	1,879	1,993
Utah	642	854	970	1,122	1,035	1,052	934	1,042
Other States ¹	19,510	19,522	24,711	23,590	23,226	24,662	22,097	24,458
United States	34,442	34,984	43,163	43,581	42,091	45,239	42,150	44,561
Atlantic	8,325	8,573	9,858	11,522	10,576	10,487	11,109	11,266
Central	19,646	19,018	24,339	22,572	22,411	24,882	21,930	23,910
West	6,471	7,393	8,966	9,487	9,104	9,870	9,111	9,385
State and region	2022						2021	
	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	4,813	4,813	3,887	3,316	57,519	24	54,902	23
Connecticut	1,078	964	920	674	11,666	8	12,143	7
Illinois	2,265	2,460	1,925	2,075	29,226	8	29,820	10
Indiana	1,538	1,544	1,292	1,355	17,800	7	18,007	8
Missouri	1,470	1,506	1,216	978	16,860	5	17,217	5
New Jersey	556	439	338	326	5,634	5	5,040	5
New York	1,303	1,156	854	804	15,026	13	14,338	13
Ohio	1,226	1,222	1,093	1,094	14,243	14	15,573	15
Oregon	1,131	1,121	1,033	1,005	13,589	7	10,204	6
Pennsylvania	1,791	1,606	1,925	1,854	21,187	18	26,476	18
Utah	842	1,060	797	854	11,204	6	11,130	6
Other States ¹	22,465	20,560	19,087	19,524	263,412	128	249,147	132
United States	40,478	38,451	34,367	33,859	477,366	243	463,997	248
Atlantic	9,772	9,735	8,656	7,926	117,805	87	113,857	90
Central	22,174	20,219	18,632	19,361	259,094	100	261,373	105
West	8,532	8,497	7,079	6,572	100,467	56	88,767	53

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: 2022 and Total 2021-2022

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

State and region	2022						
	January	February	March	April	May	June	July
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
California	2,344	2,765	3,243	3,301	3,269	4,011	3,147
Illinois	1,163	986	1,591	1,215	1,592	1,648	1,525
Pennsylvania	347	421	454	633	579	609	626
Other States ¹	28,020	30,125	37,438	35,274	35,739	36,989	35,322
United States	31,874	34,297	42,726	40,423	41,179	43,257	40,620
Atlantic	6,429	7,616	8,877	9,772	9,197	9,477	8,796
Central	21,590	22,304	28,977	25,569	26,731	27,674	26,716
West	3,855	4,377	4,872	5,082	5,251	6,106	5,108
State and region	2022						2021
	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	3,631	3,225	3,391	2,219	1,594	36,140	43,154
Illinois	1,545	1,429	1,203	971	795	15,663	15,647
Pennsylvania	696	486	568	547	494	6,460	8,606
Other States ¹	36,821	32,204	30,494	25,338	24,299	388,063	410,112
United States	42,693	37,344	35,656	29,075	27,182	446,326	477,519
Atlantic	8,409	7,639	8,473	7,005	6,595	98,285	100,317
Central	28,493	24,374	22,192	18,626	17,685	290,931	304,277
West	5,791	5,331	4,991	3,444	2,902	57,110	72,925

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: 2022 and Total 2021-2022

[Includes milkshake mix]

State and region	2022							
	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	1,301	1,538	1,752	1,811	1,811	2,099	1,844	1,855
Ohio	358	339	496	533	654	663	582	594
Pennsylvania	293	323	400	493	451	475	514	553
Other States ¹	14,148	15,073	20,118	18,635	19,168	20,929	19,900	20,146
United States	16,100	17,273	22,766	21,472	22,084	24,166	22,840	23,148
Atlantic	2,977	3,621	4,350	4,442	4,118	4,525	4,317	3,936
Central	10,933	11,348	15,703	14,288	15,024	16,468	15,606	16,081
West	2,190	2,304	2,713	2,742	2,942	3,173	2,917	3,131
State and region	2022					2021		
	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	1,589	1,742	1,215	1,037	19,594	16	21,266	17
Ohio	300	370	341	309	5,539	10	6,522	10
Pennsylvania	408	402	386	336	5,034	9	5,009	7
Other States ¹	17,931	15,580	13,193	12,492	207,313	104	222,106	107
United States	20,228	18,094	15,135	14,174	237,480	139	254,903	141
Atlantic	3,640	3,914	3,175	3,035	46,050	39	47,484	38
Central	13,793	11,613	10,018	9,376	160,251	63	166,368	66
West	2,795	2,567	1,942	1,763	31,179	37	41,051	37

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: 2022 and Total 2021-2022

State and region	2022							
	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	1,833	2,003	2,614	1,991	2,040	2,065	2,224	2,003
Atlantic	274	212	459	427	445	399	438	380
Central	1,229	1,441	1,769	1,232	1,154	1,273	1,436	1,268
West	330	350	386	332	441	393	350	355
State and region	2022						2021	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	1,981	2,161	1,671	1,678	24,264	115	28,098	124
Atlantic	370	426	259	381	4,470	44	7,957	50
Central	1,284	1,388	1,179	1,066	15,719	46	15,475	48
West	327	347	233	231	4,075	25	4,666	26

Sherbet Mix Production by Month – States, United States and Regions: 2022 and Total 2021-2022

State and region	2022							
	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	82	107	120	81	107	87	81	87
Ohio	94	100	124	103	109	143	100	168
Pennsylvania	44	30	34	67	48	59	72	72
Utah	61	78	56	77	92	98	70	80
Other States ¹	1,096	1,394	1,665	1,248	1,280	1,287	1,382	1,248
United States	1,377	1,709	1,999	1,576	1,636	1,674	1,705	1,655
Atlantic	208	239	313	308	305	284	307	277
Central	939	1,184	1,380	1,042	973	1,071	1,108	1,056
West	230	286	306	226	358	319	290	322
State and region	2022						2021	
	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	64	69	63	42	990	9	1,288	8
Ohio	112	113	141	57	1,364	6	1,174	7
Pennsylvania	36	33	41	48	584	6	639	7
Utah	74	82	40	71	879	5	880	5
Other States ¹	1,280	1,327	972	1,174	15,353	66	16,952	73
United States	1,566	1,624	1,257	1,392	19,170	92	20,933	100
Atlantic	267	297	178	273	3,256	28	5,021	34
Central	1,031	1,076	905	937	12,702	38	12,385	40
West	268	251	174	182	3,212	26	3,527	26

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: 2022 and Total 2021-2022

State and region	2022						
	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	1,696	1,942	2,156	1,771	2,069	2,044	1,952
Atlantic	680	595	572	557	838	613	603
Central	460	590	774	489	503	671	560
West	556	757	810	725	728	760	789
State and region	2022						2021
	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	1,880	1,748	2,567	1,984	2,313	24,122	19,753
Atlantic	527	515	588	564	554	7,206	4,752
Central	513	637	1,150	769	759	7,875	6,670
West	840	596	829	651	1,000	9,041	8,331

Water and Juice Ices Production by Month – United States and Regions: 2022 and Total 2021-2022

[Does not include counter-freezer production]

State and region	2022							
	January	February	March	April	May	June	July	August
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
United States	4,492	5,317	6,733	6,002	6,503	7,005	6,847	6,306
Atlantic	1,556	1,913	2,243	2,311	2,960	3,140	3,336	2,889
Central	2,259	2,582	3,527	2,818	2,621	2,846	2,564	2,444
West	677	822	963	873	922	1,019	947	973
State and region	2022						2021	
	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	5,496	5,224	4,773	4,182	68,880	96	71,064	103
Atlantic	2,239	1,824	1,986	1,436	27,833	49	26,631	49
Central	2,370	2,498	2,017	2,095	30,641	32	34,805	39
West	887	902	770	651	10,406	15	9,628	15

Other Frozen Dairy Products Production by Month – United States and Regions: 2022 and Total 2021-2022

State and region	2022							
	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	916	843	1,093	1,168	1,034	1,253	1,116	1,336
Atlantic	259	215	314	412	453	397	510	513
Central	403	494	684	593	502	676	538	716
West	254	134	95	163	79	180	68	107
State and region	2022						2021	
	September	October	November	December	Total	Plants	Total	Plants
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(number)	(1,000 gallons)	(number)
United States	1,186	1,041	865	681	12,532	49	11,521	54
Atlantic	370	342	301	169	4,255	26	3,495	28
Central	707	631	448	399	6,791	16	6,854	19
West	109	68	116	113	1,486	7	1,172	7

Dairy Plants Manufacturing One or More Dairy Products – States, United States, and Regions: 2018-2022

State and	2018	2019	2020	2021	2022
	(number)	(number)	(number)	(number)	(number)
Alabama	4	4	4	4	4
Alaska	-	-	-	-	-
Arizona	8	8	8	8	8
Arkansas	1	1	1	1	1
California	115	114	110	100	102
Colorado	8	8	8	7	7
Connecticut	28	29	28	28	27
Delaware	6	7	7	7	7
Florida	53	53	51	48	50
Georgia	6	6	5	6	5
Hawaii	6	6	6	6	6
Idaho	17	17	17	17	17
Illinois	35	34	27	31	24
Indiana	18	20	20	21	20
Iowa	23	23	26	26	29
Kansas	7	7	7	7	7
Kentucky	14	13	14	13	13
Louisiana	2	2	2	2	2
Maine	27	27	23	22	22
Maryland	11	14	12	12	12
Massachusetts	39	38	34	32	31
Michigan	49	47	48	47	46
Minnesota	31	30	28	28	28
Mississippi	1	1	1	1	1
Missouri	15	13	11	11	10
Montana	7	7	8	8	8
Nebraska	8	7	7	7	7
Nevada	4	5	4	4	4
New Hampshire	11	11	11	11	11
New Jersey	47	49	48	50	48
New Mexico	6	6	6	6	6
New York	122	122	124	119	121
North Carolina	13	16	16	15	13
North Dakota	2	2	2	2	2
Ohio	64	63	62	63	60
Oklahoma	4	4	4	4	4
Oregon	19	18	17	17	17
Pennsylvania	87	84	81	80	79
Rhode Island	4	4	4	4	4
South Carolina	2	2	2	2	2
South Dakota	9	9	9	9	10
Tennessee	12	10	11	11	11
Texas	38	36	32	33	32
Utah	20	20	20	18	18
Vermont	59	59	54	49	50
Virginia	1	3	4	4	5
Washington	10	10	10	10	10
West Virginia	2	2	2	2	2
Wisconsin	200	199	195	188	198
Wyoming	-	-	-	-	-
United States	1,275	1,270	1,231	1,201	1,201
Atlantic	518	526	506	491	489
Central	537	525	511	509	509
West	220	219	214	201	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 2022, there were 1,201 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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Donnie Fike – Dairy Products	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Sheep and Goats	(202) 720-4448

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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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