



Dairy Products

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October 2022 Highlights

Total cheese output (excluding cottage cheese) was 1.17 billion pounds, 1.4 percent above October 2021 and 2.4 percent above September 2022.

Italian type cheese production totaled 495 million pounds, 1.4 percent above October 2021 and 0.3 percent above September 2022.

American type cheese production totaled 467 million pounds, 1.3 percent above October 2021 and 5.6 percent above September 2022.

Butter production was 161 million pounds, 2.0 percent below October 2021 but 14.3 percent above September 2022.

Dry milk products (comparisons in percentage with October 2021)

Nonfat dry milk, human - 124 million pounds, up 2.9 percent.

Skim milk powder - 56.2 million pounds, down 27.6 percent.

Whey products (comparisons in percentage with October 2021)

Dry whey, total - 77.3 million pounds, up 3.3 percent.

Lactose, human and animal - 97.2 million pounds, up 0.7 percent.

Whey protein concentrate, total - 47.0 million pounds, up 0.8 percent.

Frozen products (comparisons in percentage with October 2021)

Ice cream, regular (hard) - 59.7 million gallons, up 9.3 percent.

Ice cream, lowfat (total) - 32.4 million gallons, down 8.1 percent.

Sherbet (hard) - 2.16 million gallons, up 10.4 percent.

Frozen yogurt (total) - 3.38 million gallons, down 5.2 percent.

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Dairy Products Production by Product – United States: October 2021 and 2022

Product	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	164,296	140,789	160,974	-2.0	14.3
Cheese					
American types ¹	460,680	441,832	466,539	1.3	5.6
Cheddar	324,914	301,273	334,272	2.9	11.0
Other American types	135,766	140,559	132,267	-2.6	-5.9
Blue and Gorgonzola	8,896	7,519	7,479	-15.9	-0.5
Brick and Muenster	16,074	15,510	16,259	1.2	4.8
Cream and Neufchatel	86,516	91,272	90,794	4.9	-0.5
Feta	13,588	14,335	14,461	6.4	0.9
Gouda	3,768	4,034	3,479	-7.7	-13.8
Hispanic	31,735	31,546	32,945	3.8	4.4
Italian types	488,426	494,141	495,378	1.4	0.3
Mozzarella	378,302	384,752	386,787	2.2	0.5
Parmesan	40,503	44,178	42,364	4.6	-4.1
Provolone	31,708	29,390	31,896	0.6	8.5
Ricotta	23,161	21,668	20,996	-9.3	-3.1
Romano	6,131	5,848	5,393	-12.0	-7.8
Other Italian types	8,621	8,305	7,942	-7.9	-4.4
Swiss	27,949	26,211	27,196	-2.7	3.8
All other types	14,470	13,631	13,376	-7.6	-1.9
Total cheese ²	1,152,102	1,140,031	1,167,906	1.4	2.4
Cottage cheese, curd ³	29,015	31,999	29,144	0.4	-8.9
Cottage cheese, cream ⁴	27,437	29,587	27,401	-0.1	-7.4
Cottage cheese, lowfat ⁵	24,129	25,933	24,013	-0.5	-7.4
Sour cream	132,853	121,755	130,719	-1.6	7.4
Yogurt, plain and flavored	386,014	391,913	403,855	4.6	3.0
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	54,598	60,890	59,653	9.3	-2.0
Ice cream, lowfat, hard	17,676	19,007	18,325	3.7	-3.6
Ice cream, lowfat, soft	17,538	16,073	14,047	-19.9	-12.6
Ice cream, lowfat, total ⁶	35,214	35,080	32,372	-8.1	-7.7
Ice cream, nonfat, hard	475	534	414	-12.8	-22.5
Sherbet, hard	1,957	2,155	2,160	10.4	0.2
Frozen yogurt, total	3,562	3,764	3,378	-5.2	-10.3
Regular and lowfat, hard	1,002	1,096	1,008	0.6	-8.0
Nonfat, hard	413	290	223	-46.0	-23.1
Other frozen dairy products	955	1,154	1,029	7.7	-10.8
Water and juice ices	4,979	5,663	5,040	1.2	-11.0
Mix for frozen products					
Ice cream, regular, mix	34,933	37,591	37,796	8.2	0.5
Ice cream, lowfat, mix ⁷	18,889	19,628	18,056	-4.4	-8.0
Ice cream, nonfat, mix	329	337	381	15.8	13.1
Sherbet mix	1,515	1,676	1,777	17.3	6.0
Yogurt mix	1,603	1,881	1,781	11.1	-5.3

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

² Excludes Cottage Cheese.

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

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
October 2021 and 2022**

Product	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,015	7,422	8,322	-16.9	12.1
Dry whey products					
Dry whey, human	70,296	76,822	76,066	8.2	-1.0
Dry whey, animal	4,586	1,253	1,279	-72.1	2.1
Dry whey, total	74,882	78,075	77,345	3.3	-0.9
Reduced lactose and minerals					
Human	2,718	2,373	2,130	-21.6	-10.2
Animal	3,000	3,355	3,581	19.4	6.7
Whey protein concentrate					
Human ²	45,312	45,145	46,033	1.6	2.0
Animal ²	1,310	840	947	-27.7	12.7
Total ²	46,622	45,985	46,980	0.8	2.2
25.0-49.9 percent ³	16,803	16,715	17,923	6.7	7.2
50.0-89.9 percent ³	29,819	29,270	29,057	-2.6	-0.7
Whey protein isolates ⁴	11,448	12,307	12,646	10.5	2.8
Lactose, human and animal	96,548	95,309	97,238	0.7	2.0
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	56,441	64,509	66,528	17.9	3.1
Dry whey, animal	1,552	2,330	1,342	-13.5	-42.4
Dry whey, total	57,993	66,839	67,870	17.0	1.5
Reduced Lactose and minerals					
Human and animal ⁶	6,336	9,119	8,668	36.8	-4.9
Whey protein concentrate					
Human ²	64,230	72,161	74,172	15.5	2.8
Animal ²	796	853	990	24.4	16.1
Total ²	65,026	73,014	75,162	15.6	2.9
25.0-49.9 percent ³	22,583	25,324	25,493	12.9	0.7
50.0-89.9 percent ³	42,443	47,690	49,669	17.0	4.1
Whey protein isolates ⁴	11,763	21,256	18,210	54.8	-14.3
Lactose, human and animal	154,586	160,446	164,832	6.6	2.7
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	13.8	24.8	28.5	14.7	3.8

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

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

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

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

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

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
October 2021 and 2022**

Product	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	101,810	107,910	116,926	14.8	8.4
Dry milk products					
Dry buttermilk, total	9,674	9,606	10,721	10.8	11.6
Dry skim milk, animal	835	828	781	-6.5	-5.7
Dry whole milk	9,445	12,003	11,942	26.4	-0.5
Milk protein concentrate, total ¹	15,671	14,136	18,016	15.0	27.4
Nonfat dry milk, human	120,721	123,476	124,195	2.9	0.6
Skim milk powder, total ²	77,649	58,474	56,180	-27.6	-3.9
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	19,176	30,235	32,012	66.9	5.9
Dry skim milk, animal	8,115	8,916	7,604	-6.3	-14.7
Dry whole milk	9,941	13,376	13,122	32.0	-1.9
Nonfat dry milk, human	220,011	273,196	247,477	12.5	-9.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	160,301	159,279	154,847	-3.4	-2.8

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ For dry products, shipments of bulk goods.

Dairy Products Production by Product and Month – United States: 2021 and 2022

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,143,106	1,172,006	2.5	1,143,106	1,172,006	2.5
February	1,047,673	1,105,338	5.5	2,190,779	2,277,344	4.0
March	1,183,382	1,210,085	2.3	3,374,161	3,487,429	3.4
April	1,154,601	1,158,689	0.4	4,528,762	4,646,118	2.6
May	1,163,223	1,184,113	1.8	5,691,985	5,830,231	2.4
June	1,126,772	1,152,476	2.3	6,818,757	6,982,707	2.4
July	1,145,699	1,151,219	0.5	7,964,456	8,133,926	2.1
August	1,148,755	1,150,434	0.1	9,113,211	9,284,360	1.9
September	1,134,384	1,140,031	0.5	10,247,595	10,424,391	1.7
October	1,152,102	1,167,906	1.4	11,399,697	11,592,297	1.7
November	1,130,406			12,530,103		
December	1,176,463			13,706,566		
Total American cheese types ²						
January	478,328	471,650	-1.4	478,328	471,650	-1.4
February	427,090	442,683	3.7	905,418	914,333	1.0
March	480,500	473,724	-1.4	1,385,918	1,388,057	0.2
April	478,196	467,510	-2.2	1,864,114	1,855,567	-0.5
May	481,545	481,173	-0.1	2,345,659	2,336,740	-0.4
June	457,394	461,140	0.8	2,803,053	2,797,880	-0.2
July	467,274	466,434	-0.2	3,270,327	3,264,314	-0.2
August	462,477	453,081	-2.0	3,732,804	3,717,395	-0.4
September	454,668	441,832	-2.8	4,187,472	4,159,227	-0.7
October	460,680	466,539	1.3	4,648,152	4,625,766	-0.5
November	449,639			5,097,791		
December	469,770			5,567,561		
Cheddar cheese						
January	352,093	332,479	-5.6	352,093	332,479	-5.6
February	301,126	308,061	2.3	653,219	640,540	-1.9
March	336,776	327,246	-2.8	989,995	967,786	-2.2
April	337,847	319,950	-5.3	1,327,842	1,287,736	-3.0
May	348,365	334,615	-3.9	1,676,207	1,622,351	-3.2
June	329,810	336,594	2.1	2,006,017	1,958,945	-2.3
July	325,011	331,613	2.0	2,331,028	2,290,558	-1.7
August	320,293	314,380	-1.8	2,651,321	2,604,938	-1.7
September	309,879	301,273	-2.8	2,961,200	2,906,211	-1.9
October	324,914	334,272	2.9	3,286,114	3,240,483	-1.4
November	313,524			3,599,638		
December	333,665			3,933,303		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	482,461	503,643	4.4	482,461	503,643	4.4
February	443,396	466,287	5.2	925,857	969,930	4.8
March	502,101	517,561	3.1	1,427,958	1,487,491	4.2
April	483,156	489,492	1.3	1,911,114	1,976,983	3.4
May	472,514	486,776	3.0	2,383,628	2,463,759	3.4
June	465,030	482,456	3.7	2,848,658	2,946,215	3.4
July	480,260	486,412	1.3	3,328,918	3,432,627	3.1
August	480,009	488,719	1.8	3,808,927	3,921,346	3.0
September	475,972	494,141	3.8	4,284,899	4,415,487	3.0
October	488,426	495,378	1.4	4,773,325	4,910,865	2.9
November	479,853			5,253,178		
December	498,981			5,752,159		
Mozzarella						
January	376,540	394,810	4.9	376,540	394,810	4.9
February	344,391	359,283	4.3	720,931	754,093	4.6
March	392,656	407,492	3.8	1,113,587	1,161,585	4.3
April	377,151	386,815	2.6	1,490,738	1,548,400	3.9
May	371,087	388,217	4.6	1,861,825	1,936,617	4.0
June	364,385	382,890	5.1	2,226,210	2,319,507	4.2
July	374,441	390,204	4.2	2,600,651	2,709,711	4.2
August	374,517	385,347	2.9	2,975,168	3,095,058	4.0
September	369,882	384,752	4.0	3,345,050	3,479,810	4.0
October	378,302	386,787	2.2	3,723,352	3,866,597	3.8
November	375,299			4,098,651		
December	388,985			4,487,636		
Other Italian cheese types						
January	6,374	7,952	24.8	6,374	7,952	24.8
February	6,455	7,304	13.2	12,829	15,256	18.9
March	7,132	8,451	18.5	19,961	23,707	18.8
April	6,577	7,910	20.3	26,538	31,617	19.1
May	6,815	7,930	16.4	33,353	39,547	18.6
June	7,638	8,103	6.1	40,991	47,650	16.2
July	7,750	7,419	-4.3	48,741	55,069	13.0
August	7,708	7,270	-5.7	56,449	62,339	10.4
September	7,639	8,305	8.7	64,088	70,644	10.2
October	8,621	7,942	-7.9	72,709	78,586	8.1
November	8,011			80,720		
December	8,879			89,599		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	222,262	194,034	-12.7	222,262	194,034	-12.7
February	188,833	183,462	-2.8	411,095	377,496	-8.2
March	199,574	201,940	1.2	610,669	579,436	-5.1
April	182,991	181,179	-1.0	793,660	760,615	-4.2
May	183,041	180,139	-1.6	976,701	940,754	-3.7
June	156,965	160,162	2.0	1,133,666	1,100,916	-2.9
July	147,112	151,731	3.1	1,280,778	1,252,647	-2.2
August	147,053	143,438	-2.5	1,427,831	1,396,085	-2.2
September	143,640	140,789	-2.0	1,571,471	1,536,874	-2.2
October	164,296	160,974	-2.0	1,735,767	1,697,848	-2.2
November	155,987			1,891,754		
December	179,962			2,071,716		
Nonfat dry milk, human						
January	210,168	170,306	-19.0	210,168	170,306	-19.0
February	182,471	170,815	-6.4	392,639	341,121	-13.1
March	198,254	191,349	-3.5	590,893	532,470	-9.9
April	193,792	195,709	1.0	784,685	728,179	-7.2
May	205,470	192,965	-6.1	990,155	921,144	-7.0
June	185,604	169,272	-8.8	1,175,759	1,090,416	-7.3
July	137,789	165,624	20.2	1,313,548	1,256,040	-4.4
August	121,559	134,138	10.3	1,435,107	1,390,178	-3.1
September	139,384	123,476	-11.4	1,574,491	1,513,654	-3.9
October	120,721	124,195	2.9	1,695,212	1,637,849	-3.4
November	161,011			1,856,223		
December	167,804			2,024,027		
Skim milk powder, total ³						
January	48,065	43,415	-9.7	48,065	43,415	-9.7
February	43,967	29,612	-32.6	92,032	73,027	-20.7
March	52,575	33,146	-37.0	144,607	106,173	-26.6
April	55,977	35,391	-36.8	200,584	141,564	-29.4
May	48,496	38,670	-20.3	249,080	180,234	-27.6
June	54,174	45,165	-16.6	303,254	225,399	-25.7
July	64,413	50,836	-21.1	367,667	276,235	-24.9
August	72,450	56,030	-22.7	440,117	332,265	-24.5
September	72,120	58,474	-18.9	512,237	390,739	-23.7
October	77,649	56,180	-27.6	589,886	446,919	-24.2
November	59,550			649,436		
December	48,567			698,003		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	83,537	80,406	-3.7	83,537	80,406	-3.7
February	77,154	70,288	-8.9	160,691	150,694	-6.2
March	76,909	83,060	8.0	237,600	233,754	-1.6
April	77,435	82,819	7.0	315,035	316,573	0.5
May	77,277	84,244	9.0	392,312	400,817	2.2
June	76,350	80,229	5.1	468,662	481,046	2.6
July	81,016	85,745	5.8	549,678	566,791	3.1
August	82,302	78,268	-4.9	631,980	645,059	2.1
September	75,185	78,075	3.8	707,165	723,134	2.3
October	74,882	77,345	3.3	782,047	800,479	2.4
November	75,856			857,903		
December	76,044			933,947		
Lactose, human and animal						
January	91,730	101,448	10.6	91,730	101,448	10.6
February	84,576	92,778	9.7	176,306	194,226	10.2
March	97,812	96,701	-1.1	274,118	290,927	6.1
April	98,065	100,889	2.9	372,183	391,816	5.3
May	94,741	100,816	6.4	466,924	492,632	5.5
June	96,228	101,972	6.0	563,152	594,604	5.6
July	99,012	99,532	0.5	662,164	694,136	4.8
August	97,958	100,072	2.2	760,122	794,208	4.5
September	100,670	95,309	-5.3	860,792	889,517	3.3
October	96,548	97,238	0.7	957,340	986,755	3.1
November	90,511			1,047,851		
December	103,807			1,151,658		
Whey protein concentrate, total						
January	41,358	47,226	14.2	41,358	47,226	14.2
February	35,794	40,718	13.8	77,152	87,944	14.0
March	40,832	40,768	-0.2	117,984	128,712	9.1
April	49,956	45,511	-8.9	167,940	174,223	3.7
May	40,450	42,988	6.3	208,390	217,211	4.2
June	38,515	42,650	10.7	246,905	259,861	5.2
July	38,689	44,588	15.2	285,594	304,449	6.6
August	41,587	42,938	3.2	327,181	347,387	6.2
September	44,812	45,985	2.6	371,993	393,372	5.7
October	46,622	46,980	0.8	418,615	440,352	5.2
November	43,440			462,055		
December	46,935			508,990		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	26,717	27,422	2.6	26,717	27,422	2.6
February	27,677	28,452	2.8	54,394	55,874	2.7
March	31,597	29,744	-5.9	85,991	85,618	-0.4
April	27,116	26,671	-1.6	113,107	112,289	-0.7
May	28,165	27,576	-2.1	141,272	139,865	-1.0
June	28,624	29,313	2.4	169,896	169,178	-0.4
July	29,474	28,808	-2.3	199,370	197,986	-0.7
August	29,527	31,541	6.8	228,897	229,527	0.3
September	28,604	29,587	3.4	257,501	259,114	0.6
October	27,437	27,401	-0.1	284,938	286,515	0.6
November	26,136			311,074		
December	27,472			338,546		
Cottage cheese, lowfat						
January	24,664	24,313	-1.4	24,664	24,313	-1.4
February	24,788	24,832	0.2	49,452	49,145	-0.6
March	29,719	26,934	-9.4	79,171	76,079	-3.9
April	25,862	25,403	-1.8	105,033	101,482	-3.4
May	24,753	24,355	-1.6	129,786	125,837	-3.0
June	25,730	24,490	-4.8	155,516	150,327	-3.3
July	26,481	25,305	-4.4	181,997	175,632	-3.5
August	26,252	27,516	4.8	208,249	203,148	-2.4
September	25,745	25,933	0.7	233,994	229,081	-2.1
October	24,129	24,013	-0.5	258,123	253,094	-1.9
November	22,085			280,208		
December	23,028			303,236		
Sour cream						
January	114,190	121,358	6.3	114,190	121,358	6.3
February	114,679	117,010	2.0	228,869	238,368	4.2
March	133,781	129,936	-2.9	362,650	368,304	1.6
April	119,051	117,676	-1.2	481,701	485,980	0.9
May	120,142	125,224	4.2	601,843	611,204	1.6
June	126,500	123,948	-2.0	728,343	735,152	0.9
July	121,174	115,682	-4.5	849,517	850,834	0.2
August	122,915	127,408	3.7	972,432	978,242	0.6
September	118,932	121,755	2.4	1,091,364	1,099,997	0.8
October	132,853	130,719	-1.6	1,224,217	1,230,716	0.5
November	133,456			1,357,673		
December	136,439			1,494,112		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	57,904	51,240	-11.5	57,904	51,240	-11.5
February	57,863	54,872	-5.2	115,767	106,112	-8.3
March	68,982	65,973	-4.4	184,749	172,085	-6.9
April	68,856	64,748	-6.0	253,605	236,833	-6.6
May	61,168	61,516	0.6	314,773	298,349	-5.2
June	66,028	66,887	1.3	380,801	365,236	-4.1
July	64,257	59,078	-8.1	445,058	424,314	-4.7
August	63,201	66,434	5.1	508,259	490,748	-3.4
September	55,511	60,890	9.7	563,770	551,638	-2.2
October	54,598	59,653	9.3	618,368	611,291	-1.1
November	52,137			670,505		
December	52,283			722,788		
Ice cream, lowfat total						
January	33,705	27,545	-18.3	33,705	27,545	-18.3
February	36,884	30,891	-16.2	70,589	58,436	-17.2
March	47,296	40,461	-14.5	117,885	98,897	-16.1
April	42,986	38,157	-11.2	160,871	137,054	-14.8
May	43,855	40,244	-8.2	204,726	177,298	-13.4
June	43,004	42,926	-0.2	247,730	220,224	-11.1
July	42,723	40,321	-5.6	290,453	260,545	-10.3
August	40,724	41,624	2.2	331,177	302,169	-8.8
September	36,106	35,080	-2.8	367,283	337,249	-8.2
October	35,214	32,372	-8.1	402,497	369,621	-8.2
November	29,451			431,948		
December	28,727			460,675		
Sherbet, hard						
January	2,366	2,303	-2.7	2,366	2,303	-2.7
February	2,483	2,519	1.4	4,849	4,822	-0.6
March	2,497	2,826	13.2	7,346	7,648	4.1
April	2,823	2,208	-21.8	10,169	9,856	-3.1
May	2,364	2,228	-5.8	12,533	12,084	-3.6
June	2,617	2,186	-16.5	15,150	14,270	-5.8
July	2,793	2,431	-13.0	17,943	16,701	-6.9
August	2,336	2,192	-6.2	20,279	18,893	-6.8
September	2,148	2,155	0.3	22,427	21,048	-6.1
October	1,957	2,160	10.4	24,384	23,208	-4.8
November	1,773			26,157		
December	1,833			27,990		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2021 and 2022 (continued)

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

Product and month	Monthly			Cumulative		
	2021	2022	Change from 2021	2021	2022	Change from 2021
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,678	372,943	-3.1	384,678	372,943	-3.1
February	382,863	373,445	-2.5	767,541	746,388	-2.8
March	443,374	431,500	-2.7	1,210,915	1,177,888	-2.7
April	414,884	378,182	-8.8	1,625,799	1,556,070	-4.3
May	393,724	399,052	1.4	2,019,523	1,955,122	-3.2
June	389,530	389,218	-0.1	2,409,053	2,344,340	-2.7
July	401,106	377,622	-5.9	2,810,159	2,721,962	-3.1
August	411,210	401,770	-2.3	3,221,369	3,123,732	-3.0
September	409,977	391,913	-4.4	3,631,346	3,515,645	-3.2
October	386,014	403,855	4.6	4,017,360	3,919,500	-2.4
November	355,335			4,372,695		
December	370,532			4,743,227		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	3,033	3,371	11.1	3,033	3,371	11.1
February	3,934	4,272	8.6	6,967	7,643	9.7
March	3,795	4,274	12.6	10,762	11,917	10.7
April	4,895	4,827	-1.4	15,657	16,744	6.9
May	4,248	4,306	1.4	19,905	21,050	5.8
June	4,240	4,035	-4.8	24,145	25,085	3.9
July	4,072	4,177	2.6	28,217	29,262	3.7
August	4,334	4,193	-3.3	32,551	33,455	2.8
September	3,594	3,764	4.7	36,145	37,219	3.0
October	3,562	3,378	-5.2	39,707	40,597	2.2
November	2,901			42,608		
December	3,789			46,397		

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions:
October 2021 and 2022**

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	205,748	192,984	204,560	-0.6	6.0
Idaho	85,611	86,329	85,099	-0.6	-1.4
Illinois	5,939	4,616	5,696	-4.1	23.4
Iowa	27,708	29,924	30,019	8.3	0.3
Minnesota	63,153	63,621	68,050	7.8	7.0
New Jersey	5,967	5,368	5,628	-5.7	4.8
New Mexico	81,729	77,408	83,484	2.1	7.8
New York	70,212	68,644	72,535	3.3	5.7
Ohio	21,080	19,449	19,612	-7.0	0.8
Pennsylvania	37,739	36,493	34,729	-8.0	-4.8
Vermont	12,010	11,654	12,147	1.1	4.2
Wisconsin	282,000	288,480	286,216	1.5	-0.8
Other States ¹	253,206	255,061	260,131	2.7	2.0
United States	1,152,102	1,140,031	1,167,906	1.4	2.4
Atlantic	137,970	133,445	136,792	-0.9	2.5
Central	548,821	555,636	560,812	2.2	0.9
West	465,311	450,950	470,302	1.1	4.3

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

American Cheese Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	48,819	40,097	45,502	-6.8	13.5
Iowa	13,666	14,425	15,298	11.9	6.1
Minnesota	51,695	53,225	58,482	13.1	9.9
New York	8,589	11,682	9,377	9.2	-19.7
Wisconsin	86,558	80,044	87,900	1.6	9.8
Other States ¹	251,353	242,359	249,980	-0.5	3.1
United States	460,680	441,832	466,539	1.3	5.6
Atlantic	25,526	27,555	26,144	2.4	-5.1
Central	245,124	238,170	251,636	2.7	5.7
West	190,030	176,107	188,759	-0.7	7.2

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

Cheddar Cheese Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	25,185	17,525	22,871	-9.2	30.5
Vermont	8,614	8,291	8,586	-0.3	3.6
Wisconsin	59,805	52,811	60,100	0.5	13.8
Other States ¹	231,310	222,646	242,715	4.9	9.0
United States	324,914	301,273	334,272	2.9	11.0
Atlantic	23,626	25,637	24,378	3.2	-4.9
Central	172,412	159,230	178,588	3.6	12.2
West	128,876	116,406	131,306	1.9	12.8

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

Total Italian Cheese Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	133,890	129,083	134,946	0.8	4.5
Minnesota	11,211	10,105	9,272	-17.3	-8.2
New Jersey	3,207	2,632	2,919	-9.0	10.9
New York	30,892	27,148	30,470	-1.4	12.2
Pennsylvania	22,560	22,562	22,173	-1.7	-1.7
Wisconsin	135,476	145,577	138,174	2.0	-5.1
Other States ¹	151,190	157,034	157,424	4.1	0.2
United States	488,426	494,141	495,378	1.4	0.3
Atlantic	60,480	56,262	59,395	-1.8	5.6
Central	201,700	212,346	205,793	2.0	-3.1
West	226,246	225,533	230,190	1.7	2.1

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

Mozzarella Cheese Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	124,462	115,100	119,407	-4.1	3.7
New Jersey	1,603	1,330	1,374	-14.3	3.3
New York	14,472	12,616	14,723	1.7	16.7
Pennsylvania	18,608	18,335	18,255	-1.9	-0.4
Wisconsin	83,662	93,439	86,600	3.5	-7.3
Other States ¹	135,495	143,932	146,428	8.1	1.7
United States	378,302	384,752	386,787	2.2	0.5
Atlantic	37,457	34,861	37,113	-0.9	6.5
Central	126,417	139,967	136,825	8.2	-2.2
West	214,428	209,924	212,849	-0.7	1.4

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

Butter Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,332	47,739	51,229	-3.9	7.3
Pennsylvania	6,615	6,835	7,029	6.3	2.8
Other States ¹	104,349	86,215	102,716	-1.6	19.1
United States	164,296	140,789	160,974	-2.0	14.3
Atlantic	10,813	10,980	11,666	7.9	6.2
Central	59,585	49,552	62,738	5.3	26.6
West	93,898	80,257	86,570	-7.8	7.9

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

Nonfat Dry Milk (Human) Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	41,357	39,355	48,010	16.1	22.0
Pennsylvania	12,356	12,448	11,805	-4.5	-5.2
Other States ¹	67,008	71,673	64,380	-3.9	-10.2
United States	120,721	123,476	124,195	2.9	0.6
Atlantic	22,720	22,989	19,939	-12.2	-13.3
Central	22,167	30,125	30,048	35.6	-0.3
West	75,834	70,362	74,208	-2.1	5.5

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

Dry Whey (Human) Production – States, United States, and Regions: October 2021 and 2022

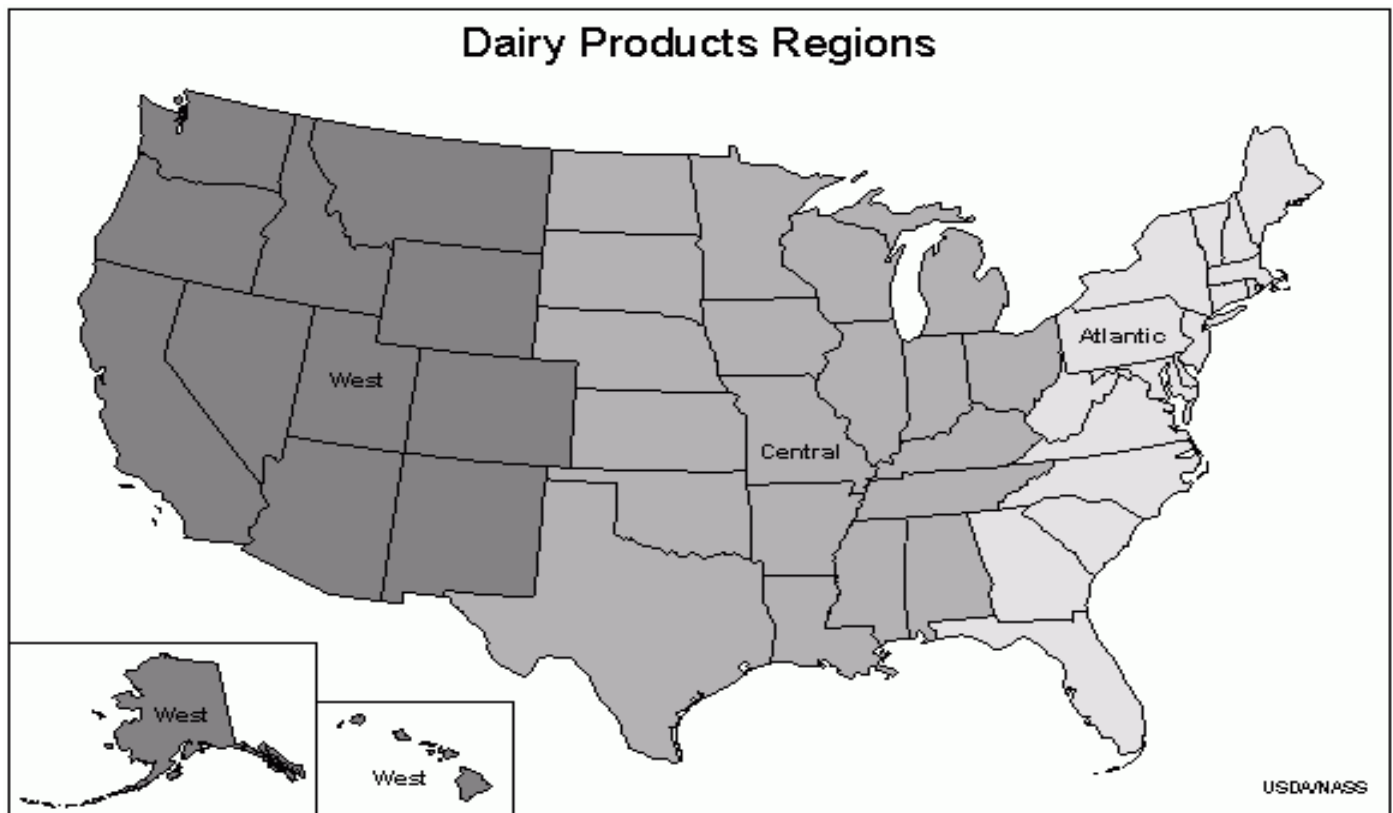
State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	9,094	12,184	11,206	23.2	-8.0
Wisconsin	24,996	25,709	24,228	-3.1	-5.8
Other States ¹	36,206	38,929	40,632	12.2	4.4
United States	70,296	76,822	76,066	8.2	-1.0
Atlantic	20,780	21,948	20,116	-3.2	-8.3
Central	35,486	35,533	35,369	-0.3	-0.5
West	14,030	19,341	20,581	46.7	6.4

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

Ice Cream, Regular (Hard) Production – States, United States, and Regions: October 2021 and 2022

State and region	October 2021	September 2022	October 2022	Change from	
				October 2021	September 2022
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,142	7,256	7,251	41.0	-0.1
Connecticut	1,296	1,447	1,470	13.4	1.6
New York	2,053	2,202	1,903	-7.3	-13.6
Ohio	2,372	2,132	2,346	-1.1	10.0
Oregon	872	947	967	10.9	2.1
Pennsylvania	3,172	3,184	3,175	0.1	-0.3
Tennessee	2,005	2,434	2,053	2.4	-15.7
Utah	1,176	1,330	1,524	29.6	14.6
Wisconsin	568	685	680	19.7	-0.7
Other States ¹	35,942	39,273	38,284	6.5	-2.5
United States	54,598	60,890	59,653	9.3	-2.0
Atlantic	13,711	14,484	14,153	3.2	-2.3
Central	32,149	34,953	34,142	6.2	-2.3
West	8,738	11,453	11,358	30.0	-0.8

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



West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Central: Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

Atlantic: Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2021, there were 1,196 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

Modes of data collection: Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

Terms and definitions: Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

Reliability: Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

Estimating Procedures: In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

Revision Policy: Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov.

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Vacant – Sheep and Goats	(202) 690-3236

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- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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