



Dairy Products

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November 2022 Highlights

Total cheese output (excluding cottage cheese) was 1.15 billion pounds, 1.6 percent above November 2021 but 1.9 percent below October 2022.

Italian type cheese production totaled 485 million pounds, 1.1 percent above November 2021 but 2.4 percent below October 2022.

American type cheese production totaled 460 million pounds, 2.2 percent above November 2021 but 2.1 percent below October 2022.

Butter production was 170 million pounds, 8.9 percent above November 2021 and 5.0 percent above October 2022.

Dry milk products (comparisons in percentage with November 2021)

Nonfat dry milk, human - 159 million pounds, down 1.0 percent.

Skim milk powder - 39.4 million pounds, down 33.9 percent.

Whey products (comparisons in percentage with November 2021)

Dry whey, total - 74.6 million pounds, down 1.7 percent.

Lactose, human and animal - 93.1 million pounds, up 2.8 percent.

Whey protein concentrate, total - 46.1 million pounds, up 6.1 percent.

Frozen products (comparisons in percentage with November 2021)

Ice cream, regular (hard) - 53.9 million gallons, up 3.4 percent.

Ice cream, lowfat (total) - 29.6 million gallons, up 0.6 percent.

Sherbet (hard) - 1.87 million gallons, up 5.2 percent.

Frozen yogurt (total) - 2.75 million gallons, down 5.3 percent.

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

Product	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	155,987	161,803	169,866	8.9	5.0
Cheese					
American types ¹	449,639	469,466	459,747	2.2	-2.1
Cheddar	313,524	336,106	319,009	1.7	-5.1
Other American types	136,115	133,360	140,738	3.4	5.5
Blue and Gorgonzola	7,913	7,466	7,979	0.8	6.9
Brick and Muenster	16,259	16,560	15,991	-1.6	-3.4
Cream and Neufchatel	90,978	89,794	88,863	-2.3	-1.0
Feta	11,739	14,492	12,056	2.7	-16.8
Gouda	4,358	3,515	5,505	26.3	56.6
Hispanic	28,114	32,614	32,592	15.9	-0.1
Italian types	479,853	496,883	484,899	1.1	-2.4
Mozzarella	375,299	388,666	380,870	1.5	-2.0
Parmesan	39,024	42,099	41,625	6.7	-1.1
Provolone	29,589	31,827	28,994	-2.0	-8.9
Ricotta	22,621	20,996	20,295	-10.3	-3.3
Romano	5,309	5,351	5,286	-0.4	-1.2
Other Italian types	8,011	7,944	7,829	-2.3	-1.4
Swiss	27,249	26,353	29,031	6.5	10.2
All other types	14,304	13,897	12,219	-14.6	-12.1
Total cheese ²	1,130,406	1,171,040	1,148,882	1.6	-1.9
Cottage cheese, curd ³	26,924	28,974	27,992	4.0	-3.4
Cottage cheese, cream ⁴	26,136	27,357	27,015	3.4	-1.3
Cottage cheese, lowfat ⁵	22,085	23,982	22,045	-0.2	-8.1
Sour cream	133,456	130,720	135,765	1.7	3.9
Yogurt, plain and flavored	355,335	390,982	346,805	-2.4	-11.3
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	52,137	57,121	53,915	3.4	-5.6
Ice cream, lowfat, hard	14,660	18,391	15,455	5.4	-16.0
Ice cream, lowfat, soft	14,791	12,738	14,165	-4.2	11.2
Ice cream, lowfat, total ⁶	29,451	31,129	29,620	0.6	-4.8
Ice cream, nonfat, hard	541	442	485	-10.4	9.7
Sherbet, hard	1,773	2,356	1,866	5.2	-20.8
Frozen yogurt, total	2,901	3,475	2,746	-5.3	-21.0
Regular and lowfat, hard	906	1,104	901	-0.6	-18.4
Nonfat, hard	281	224	131	-53.4	-41.5
Other frozen dairy products	764	1,029	753	-1.4	-26.8
Water and juice ices	5,024	5,030	4,890	-2.7	-2.8
Mix for frozen products					
Ice cream, regular, mix	32,746	35,322	33,572	2.5	-5.0
Ice cream, lowfat, mix ⁷	16,585	17,307	16,616	0.2	-4.0
Ice cream, nonfat, mix	377	395	426	13.0	7.8
Sherbet mix	1,347	1,766	1,379	2.4	-21.9
Yogurt mix	1,355	1,979	1,615	19.2	-18.4

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

² Excludes Cottage Cheese.

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

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

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

Product	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,925	8,322	7,464	-24.8	-10.3
Dry whey products					
Dry whey, human	73,954	76,086	72,788	-1.6	-4.3
Dry whey, animal	1,902	1,261	1,814	-4.6	43.9
Dry whey, total	75,856	77,347	74,602	-1.7	-3.5
Reduced lactose and minerals					
Human	3,414	2,958	2,996	-12.2	1.3
Animal	5,092	3,474	3,148	-38.2	-9.4
Whey protein concentrate					
Human ²	41,657	45,692	44,958	7.9	-1.6
Animal ²	1,783	719	1,137	-36.2	58.1
Total ²	43,440	46,411	46,095	6.1	-0.7
25.0-49.9 percent ³	14,756	17,654	15,984	8.3	-9.5
50.0-89.9 percent ³	28,684	28,757	30,111	5.0	4.7
Whey protein isolates ⁴	11,091	11,673	10,482	-5.5	-10.2
Lactose, human and animal	90,511	96,665	93,070	2.8	-3.7
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	57,891	67,072	71,589	23.7	6.7
Dry whey, animal	1,834	1,344	1,290	-29.7	-4.0
Dry whey, total	59,725	68,416	72,879	22.0	6.5
Reduced Lactose and minerals					
Human and animal ⁶	6,554	10,062	11,580	76.7	15.1
Whey protein concentrate					
Human ²	67,870	75,282	76,414	12.6	1.5
Animal ²	1,400	764	1,028	-26.6	34.6
Total ²	69,270	76,046	77,442	11.8	1.8
25.0-49.9 percent ³	23,881	25,576	26,057	9.1	1.9
50.0-89.9 percent ³	45,389	50,470	51,385	13.2	1.8
Whey protein isolates ⁴	12,398	18,134	20,798	67.8	14.7
Lactose, human and animal	149,832	164,603	169,458	13.1	2.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	31.0	28.5	24.0	-7.0	-4.5

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

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

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

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

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

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

Product	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	102,277	115,951	100,962	-1.3	-12.9
Dry milk products					
Dry buttermilk, total	9,634	10,779	12,548	30.2	16.4
Dry skim milk, animal	385	781	597	55.1	-23.6
Dry whole milk	10,565	11,936	10,601	0.3	-11.2
Milk protein concentrate, total ¹	15,200	18,016	14,662	-3.5	-18.6
Nonfat dry milk, human	161,011	123,977	159,465	-1.0	28.6
Skim milk powder, total ²	59,550	56,180	39,381	-33.9	-29.9
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	18,775	32,146	34,623	84.4	7.7
Dry skim milk, animal	7,623	7,610	7,203	-5.5	-5.3
Dry whole milk	18,022	13,116	14,366	-20.3	9.5
Nonfat dry milk, human	226,785	247,801	255,978	12.9	3.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	154,931	152,791	153,962	-0.6	0.8

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	1,171,040	1.6	11,399,697	11,595,431	1.7
November	1,130,406	1,148,882	1.6	12,530,103	12,744,313	1.7
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	469,466	1.9	4,648,152	4,628,693	-0.4
November	449,639	459,747	2.2	5,097,791	5,088,440	-0.2
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	336,106	3.4	3,286,114	3,242,317	-1.3
November	313,524	319,009	1.7	3,599,638	3,561,326	-1.1
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	496,883	1.7	4,773,325	4,912,370	2.9
November	479,853	484,899	1.1	5,253,178	5,397,269	2.7
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	388,666	2.7	3,723,352	3,868,476	3.9
November	375,299	380,870	1.5	4,098,651	4,249,346	3.7
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	7,944	-7.9	72,709	78,588	8.1
November	8,011	7,829	-2.3	80,720	86,417	7.1
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	161,803	-1.5	1,735,767	1,698,677	-2.1
November	155,987	169,866	8.9	1,891,754	1,868,543	-1.2
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	123,977	2.7	1,695,212	1,637,631	-3.4
November	161,011	159,465	-1.0	1,856,223	1,797,096	-3.2
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	39,381	-33.9	649,436	486,300	-25.1
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	77,347	3.3	782,047	800,481	2.4
November	75,856	74,602	-1.7	857,903	875,083	2.0
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	96,665	0.1	957,340	986,182	3.0
November	90,511	93,070	2.8	1,047,851	1,079,252	3.0
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	46,411	-0.5	418,615	439,783	5.1
November	43,440	46,095	6.1	462,055	485,878	5.2
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	27,357	-0.3	284,938	286,471	0.5
November	26,136	27,015	3.4	311,074	313,486	0.8
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	23,982	-0.6	258,123	253,063	-2.0
November	22,085	22,045	-0.2	280,208	275,108	-1.8
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	130,720	-1.6	1,224,217	1,230,717	0.5
November	133,456	135,765	1.7	1,357,673	1,366,482	0.6
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	57,121	4.6	618,368	608,759	-1.6
November	52,137	53,915	3.4	670,505	662,674	-1.2
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	31,129	-11.6	402,497	368,378	-8.5
November	29,451	29,620	0.6	431,948	397,998	-7.9
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	2,356	20.4	24,384	23,404	-4.0
November	1,773	1,866	5.2	26,157	25,270	-3.4
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	390,982	1.3	4,017,360	3,906,627	-2.8
November	355,335	346,805	-2.4	4,372,695	4,253,432	-2.7
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	3,475	-2.4	39,707	40,694	2.5
November	2,901	2,746	-5.3	42,608	43,440	2.0
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:
November 2021 and 2022**

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	203,823	206,336	208,691	2.4	1.1
Idaho	77,288	85,181	74,345	-3.8	-12.7
Illinois	5,282	5,313	6,072	15.0	14.3
Iowa	26,847	30,888	31,805	18.5	3.0
Minnesota	62,340	69,253	66,437	6.6	-4.1
New Jersey	5,219	5,628	5,467	4.8	-2.9
New Mexico	78,816	83,484	80,741	2.4	-3.3
New York	69,453	71,535	69,565	0.2	-2.8
Ohio	22,079	19,078	21,282	-3.6	11.6
Pennsylvania	35,496	34,729	35,356	-0.4	1.8
Vermont	12,207	12,146	12,559	2.9	3.4
Wisconsin	281,350	286,158	284,073	1.0	-0.7
Other States ¹	250,206	261,311	252,489	0.9	-3.4
United States	1,130,406	1,171,040	1,148,882	1.6	-1.9
Atlantic	134,529	135,774	134,852	0.2	-0.7
Central	543,551	563,106	555,430	2.2	-1.4
West	452,326	472,160	458,600	1.4	-2.9

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,095	45,502	45,074	-2.2	-0.9
Iowa	13,078	16,229	16,774	28.3	3.4
Minnesota	52,694	59,685	56,312	6.9	-5.7
New York	9,885	9,377	11,858	20.0	26.5
Wisconsin	83,486	86,961	87,270	4.5	0.4
Other States ¹	244,401	251,712	242,459	-0.8	-3.7
United States	449,639	469,466	459,747	2.2	-2.1
Atlantic	26,829	26,113	28,795	7.3	10.3
Central	238,755	254,026	248,091	3.9	-2.3
West	184,055	189,327	182,861	-0.6	-3.4

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	20,708	22,871	22,890	10.5	0.1
Vermont	8,830	8,586	9,074	2.8	5.7
Wisconsin	56,677	58,318	57,400	1.3	-1.6
Other States ¹	227,309	246,331	229,645	1.0	-6.8
United States	313,524	336,106	319,009	1.7	-5.1
Atlantic	25,196	24,344	26,620	5.7	9.3
Central	164,157	179,888	165,778	1.0	-7.8
West	124,171	131,874	126,611	2.0	-4.0

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	135,774	136,701	138,967	2.4	1.7
Minnesota	9,384	9,272	9,811	4.6	5.8
New Jersey	2,596	2,919	2,751	6.0	-5.8
New York	29,305	30,470	28,970	-1.1	-4.9
Pennsylvania	22,079	22,173	20,821	-5.7	-6.1
Wisconsin	135,295	137,958	135,063	-0.2	-2.1
Other States ¹	145,420	157,390	148,516	2.1	-5.6
United States	479,853	496,883	484,899	1.1	-2.4
Atlantic	58,000	59,395	56,624	-2.4	-4.7
Central	199,060	205,543	202,082	1.5	-1.7
West	222,793	231,945	226,193	1.5	-2.5

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	125,459	121,028	123,902	-1.2	2.4
New Jersey	1,413	1,374	1,283	-9.2	-6.6
New York	13,869	14,723	13,418	-3.3	-8.9
Pennsylvania	17,861	18,255	16,699	-6.5	-8.5
Wisconsin	85,148	86,859	88,018	3.4	1.3
Other States ¹	131,549	146,427	137,550	4.6	-6.1
United States	375,299	388,666	380,870	1.5	-2.0
Atlantic	36,161	37,113	34,446	-4.7	-7.2
Central	128,004	137,083	136,485	6.6	-0.4
West	211,134	214,470	209,939	-0.6	-2.1

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	53,237	51,229	56,379	5.9	10.1
Pennsylvania	7,566	7,029	7,078	-6.4	0.7
Other States ¹	95,184	103,545	106,409	11.8	2.8
United States	155,987	161,803	169,866	8.9	5.0
Atlantic	12,372	11,666	12,251	-1.0	5.0
Central	61,456	63,567	65,534	6.6	3.1
West	82,159	86,570	92,081	12.1	6.4

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	84,772	48,010	68,518	-19.2	42.7
Pennsylvania	12,849	11,805	13,684	6.5	15.9
Other States ¹	63,390	64,162	77,263	21.9	20.4
United States	161,011	123,977	159,465	-1.0	28.6
Atlantic	22,604	19,939	28,455	25.9	42.7
Central	26,278	29,830	32,307	22.9	8.3
West	112,129	74,208	98,703	-12.0	33.0

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

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

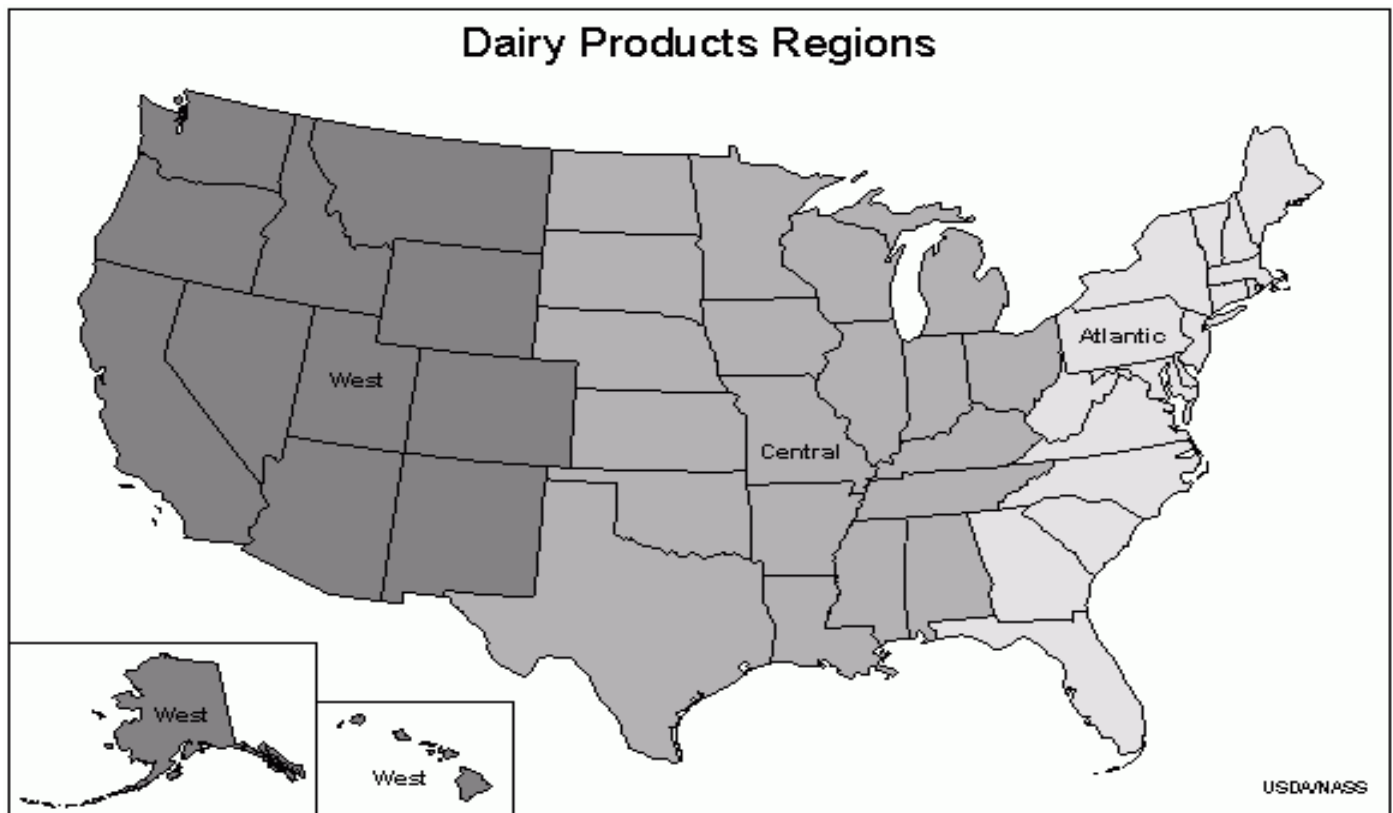
State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,490	11,206	10,273	-10.6	-8.3
Wisconsin	25,880	24,248	22,973	-11.2	-5.3
Other States ¹	36,584	40,632	39,542	8.1	-2.7
United States	73,954	76,086	72,788	-1.6	-4.3
Atlantic	25,517	20,116	19,000	-25.5	-5.5
Central	35,964	35,389	33,931	-5.7	-4.1
West	12,473	20,581	19,857	59.2	-3.5

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

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

State and region	November 2021	October 2022	November 2022	Change from	
				November 2021	October 2022
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	4,948	7,251	5,662	14.4	-21.9
Connecticut	1,129	1,468	1,290	14.3	-12.1
New York	1,530	2,034	1,380	-9.8	-32.2
Ohio	2,099	2,346	2,140	2.0	-8.8
Oregon	823	967	927	12.6	-4.1
Pennsylvania	3,669	3,175	3,193	-13.0	0.6
Tennessee	2,106	2,053	2,088	-0.9	1.7
Utah	1,050	1,524	1,272	21.1	-16.5
Wisconsin	526	680	553	5.1	-18.7
Other States ¹	34,257	35,623	35,410	3.4	-0.6
United States	52,137	57,121	53,915	3.4	-5.6
Atlantic	12,411	14,306	11,805	-4.9	-17.5
Central	31,549	31,457	32,879	4.2	4.5
West	8,177	11,358	9,231	12.9	-18.7

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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- 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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