



Dairy Products

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March 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.23 billion pounds, 0.1 percent above March 2023 and 7.6 percent above February 2024.

Italian type cheese production totaled 518 million pounds, 4.4 percent above March 2023 and 8.6 percent above February 2024.

American type cheese production totaled 491 million pounds, 2.9 percent below March 2023 but 10.0 percent above February 2024.

Butter production was 209 million pounds, 1.4 percent above March 2023 and 5.5 percent above February 2024.

Dry milk products (comparisons in percentage with March 2023)

Nonfat dry milk, human - 184 million pounds, down 7.9 percent.

Skim milk powder - 28.3 million pounds, down 41.7 percent.

Whey products (comparisons in percentage with March 2023)

Dry whey, total - 79.9 million pounds, up 3.4 percent.

Lactose, human and animal - 98.7 million pounds, up slightly.

Whey protein concentrate, total - 44.3 million pounds, up 2.6 percent.

Frozen products (comparisons in percentage with March 2023)

Ice cream, regular (hard) - 66.1 million gallons, up 1.4 percent.

Ice cream, lowfat (total) - 37.7 million gallons, down 12.8 percent.

Sherbet (hard) - 1.88 million gallons, up 1.3 percent.

Frozen yogurt (total) - 3.71 million gallons, up 0.1 percent.

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Dairy Products Production by Product – United States: March 2023 and 2024

Product	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	205,762	197,645	208,543	1.4	5.5
Cheese					
American types ¹	505,830	446,591	491,334	-2.9	10.0
Cheddar	355,379	314,571	343,295	-3.4	9.1
Other American types	150,451	132,020	148,039	-1.6	12.1
Blue and Gorgonzola	8,038	6,780	7,457	-7.2	10.0
Brick and Muenster	17,131	17,377	15,148	-11.6	-12.8
Cream and Neufchatel	100,320	100,969	97,286	-3.0	-3.6
Feta	14,060	12,452	13,308	-5.3	6.9
Gouda	5,515	6,546	7,805	41.5	19.2
Hispanic	36,843	35,085	34,711	-5.8	-1.1
Italian types	496,213	476,892	518,068	4.4	8.6
Mozzarella	383,594	374,126	409,667	6.8	9.5
Parmesan	43,358	40,814	40,429	-6.8	-0.9
Provolone	34,405	30,064	32,805	-4.7	9.1
Ricotta	22,278	19,864	21,824	-2.0	9.9
Romano	4,940	4,344	4,984	0.9	14.7
Other Italian types	7,638	7,680	8,359	9.4	8.8
Swiss	27,131	25,582	27,519	1.4	7.6
All other types	13,739	11,711	13,448	-2.1	14.8
Total cheese ²	1,224,820	1,139,985	1,226,084	0.1	7.6
Cottage cheese, curd ³	33,319	33,727	35,956	7.9	6.6
Cottage cheese, cream ⁴	33,127	32,747	35,249	6.4	7.6
Cottage cheese, lowfat ⁵	26,305	28,625	29,719	13.0	3.8
Sour cream	127,913	119,290	123,346	-3.6	3.4
Yogurt, plain and flavored	428,478	396,526	426,904	-0.4	7.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	65,225	57,300	66,149	1.4	15.4
Ice cream, lowfat, hard	21,482	18,156	20,641	-3.9	13.7
Ice cream, lowfat, soft	21,785	13,235	17,093	-21.5	29.1
Ice cream, lowfat, total ⁶	43,267	31,391	37,734	-12.8	20.2
Ice cream, nonfat, hard	710	366	642	-9.6	75.4
Sherbet, hard	1,851	1,533	1,875	1.3	22.3
Frozen yogurt, total	3,710	4,001	3,713	0.1	-7.2
Regular and lowfat, hard	1,162	978	1,105	-4.9	13.0
Nonfat, hard	265	166	325	22.6	95.8
Other frozen dairy products	1,131	862	1,275	12.7	47.9
Water and juice ices	6,717	5,632	6,365	-5.2	13.0
Mix for frozen products					
Ice cream, regular, mix	41,363	36,362	41,739	0.9	14.8
Ice cream, lowfat, mix ⁷	22,336	17,481	21,099	-5.5	20.7
Ice cream, nonfat, mix	520	302	439	-15.6	45.4
Sherbet mix	1,663	1,272	1,480	-11.0	16.4
Yogurt mix	2,163	1,868	1,855	-14.2	-0.7

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:
March 2023 and 2024**

Product	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	7,791	8,525	8,399	7.8	-1.5
Dry whey products					
Dry whey, human	72,722	66,236	74,463	2.4	12.4
Dry whey, animal	4,574	5,895	5,452	19.2	-7.5
Dry whey, total	77,296	72,131	79,915	3.4	10.8
Reduced Lactose and minerals					
Human and animal	4,050	3,507	3,873	-4.4	10.4
Whey protein concentrate					
Human ²	42,041	38,160	42,699	1.6	11.9
Animal ²	1,111	550	1,556	40.1	182.9
Total ²	43,152	38,710	44,255	2.6	14.3
25.0-49.9 percent ³	14,974	10,518	12,331	-17.7	17.2
50.0-89.9 percent ³	28,178	28,192	31,924	13.3	13.2
Whey protein isolates ⁴	9,764	14,371	16,903	73.1	17.6
Lactose, human and animal	98,668	87,602	98,681	(Z)	12.6
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	63,348	66,929	75,825	19.7	13.3
Dry whey, animal	3,291	5,922	5,471	66.2	-7.6
Dry whey, total	66,639	72,851	81,296	22.0	11.6
Reduced Lactose and minerals					
Human and animal ⁶	7,703	6,832	7,312	-5.1	7.0
Whey protein concentrate					
Human ²	89,032	56,456	51,999	-41.6	-7.9
Animal ²	1,094	1,375	1,972	80.3	43.4
Total ²	90,126	57,831	53,971	-40.1	-6.7
25.0-49.9 percent ³	35,494	22,173	21,022	-40.8	-5.2
50.0-89.9 percent ³	54,632	35,658	32,949	-39.7	-7.6
Whey protein isolates ⁴	27,692	18,793	15,835	-42.8	-15.7
Lactose, human and animal	168,417	107,592	111,749	-33.6	3.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	22.5	26.5	24.3	1.8	-2.2

(Z) Less than half of the unit shown.

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:
March 2023 and 2024**

Product	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	122,347	111,207	125,436	2.5	12.8
Dry milk products					
Dry buttermilk, total	14,086	14,452	14,487	2.8	0.2
Dry skim milk, animal	947	613	589	-37.8	-3.9
Dry whole milk	9,882	10,115	8,439	-14.6	-16.6
Milk protein concentrate, total ¹	22,890	33,466	31,704	38.5	-5.3
Nonfat dry milk, human	199,390	147,081	183,703	-7.9	24.9
Skim milk powder, total ²	48,544	36,240	28,313	-41.7	-21.9
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	38,588	38,955	39,461	2.3	1.3
Dry skim milk, animal	5,611	7,892	7,421	32.3	-6.0
Dry whole milk	17,960	12,216	11,447	-36.3	-6.3
Nonfat dry milk, human	293,192	209,600	233,356	-20.4	11.3
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	220,840	143,710	153,401	-30.5	6.7

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: 2023 and 2024

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,222,785	1,200,917	-1.8	1,222,785	1,200,917	-1.8
February	1,116,128	1,139,985	2.1	2,338,913	2,340,902	0.1
March	1,224,820	1,226,084	0.1	3,563,733	3,566,986	0.1
April	1,165,123			4,728,856		
May	1,204,162			5,933,018		
June	1,178,410			7,111,428		
July	1,168,945			8,280,373		
August	1,177,853			9,458,226		
September	1,159,521			10,617,747		
October	1,214,264			11,832,011		
November	1,171,266			13,003,277		
December	1,207,714			14,210,991		
Total American cheese types ²						
January	512,962	473,081	-7.8	512,962	473,081	-7.8
February	454,152	446,591	-1.7	967,114	919,672	-4.9
March	505,830	491,334	-2.9	1,472,944	1,411,006	-4.2
April	491,399			1,964,343		
May	517,700			2,482,043		
June	480,863			2,962,906		
July	481,811			3,444,717		
August	479,230			3,923,947		
September	473,266			4,397,213		
October	487,001			4,884,214		
November	471,035			5,355,249		
December	489,254			5,844,503		
Cheddar cheese						
January	366,554	330,574	-9.8	366,554	330,574	-9.8
February	328,113	314,571	-4.1	694,667	645,145	-7.1
March	355,379	343,295	-3.4	1,050,046	988,440	-5.9
April	352,686			1,402,732		
May	364,287			1,767,019		
June	343,057			2,110,076		
July	333,699			2,443,775		
August	325,393			2,769,168		
September	319,957			3,089,125		
October	342,782			3,431,907		
November	321,767			3,753,674		
December	337,743			4,091,417		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	501,658	510,548	1.8	501,658	510,548	1.8
February	460,736	476,892	3.5	962,394	987,440	2.6
March	496,213	518,068	4.4	1,458,607	1,505,508	3.2
April	474,325			1,932,932		
May	484,024			2,416,956		
June	486,238			2,903,194		
July	483,503			3,386,697		
August	484,214			3,870,911		
September	479,371			4,350,282		
October	509,162			4,859,444		
November	487,486			5,346,930		
December	507,540			5,854,470		
Mozzarella						
January	394,320	398,419	1.0	394,320	398,419	1.0
February	361,784	374,126	3.4	756,104	772,545	2.2
March	383,594	409,667	6.8	1,139,698	1,182,212	3.7
April	378,076			1,517,774		
May	378,366			1,896,140		
June	383,786			2,279,926		
July	384,244			2,664,170		
August	381,750			3,045,920		
September	379,375			3,425,295		
October	399,262			3,824,557		
November	380,413			4,204,970		
December	401,292			4,606,262		
Other Italian cheese types						
January	7,359	8,380	13.9	7,359	8,380	13.9
February	6,736	7,680	14.0	14,095	16,060	13.9
March	7,638	8,359	9.4	21,733	24,419	12.4
April	7,094			28,827		
May	7,359			36,186		
June	6,979			43,165		
July	6,686			49,851		
August	7,385			57,236		
September	6,652			63,888		
October	7,454			71,342		
November	7,361			78,703		
December	7,110			85,813		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	203,586	217,247	6.7	203,586	217,247	6.7
February	187,456	197,645	5.4	391,042	414,892	6.1
March	205,762	208,543	1.4	596,804	623,435	4.5
April	197,344			794,148		
May	196,410			990,558		
June	164,478			1,155,036		
July	158,220			1,313,256		
August	138,915			1,452,171		
September	143,134			1,595,305		
October	162,523			1,757,828		
November	163,544			1,921,372		
December	193,656			2,115,028		
Nonfat dry milk, human						
January	175,602	138,296	-21.2	175,602	138,296	-21.2
February	177,583	147,081	-17.2	353,185	285,377	-19.2
March	199,390	183,703	-7.9	552,575	469,080	-15.1
April	198,521			751,096		
May	206,532			957,628		
June	173,093			1,130,721		
July	133,356			1,264,077		
August	112,079			1,376,156		
September	99,972			1,476,128		
October	128,569			1,604,697		
November	116,818			1,721,515		
December	146,889			1,868,404		
Skim milk powder, total ³						
January	56,002	56,918	1.6	56,002	56,918	1.6
February	47,623	36,240	-23.9	103,625	93,158	-10.1
March	48,544	28,313	-41.7	152,169	121,471	-20.2
April	45,797			197,966		
May	46,555			244,521		
June	49,722			294,243		
July	72,400			366,643		
August	71,296			437,939		
September	67,711			505,650		
October	54,046			559,696		
November	70,722			630,418		
December	64,201			694,619		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	76,713	77,724	1.3	76,713	77,724	1.3
February	66,699	72,131	8.1	143,412	149,855	4.5
March	77,296	79,915	3.4	220,708	229,770	4.1
April	79,595			300,303		
May	81,782			382,085		
June	88,164			470,249		
July	89,321			559,570		
August	83,570			643,140		
September	78,899			722,039		
October	75,276			797,315		
November	68,581			865,896		
December	72,550			938,446		
Lactose, human and animal						
January	90,193	89,452	-0.8	90,193	89,452	-0.8
February	83,542	87,602	4.9	173,735	177,054	1.9
March	98,668	98,681		272,403	275,735	1.2
April	92,838			365,241		
May	95,558			460,799		
June	98,125			558,924		
July	94,224			653,148		
August	92,371			745,519		
September	95,253			840,772		
October	90,017			930,789		
November	84,059			1,014,848		
December	90,687			1,105,535		
Whey protein concentrate, total						
January	41,102	42,695	3.9	41,102	42,695	3.9
February	38,859	38,710	-0.4	79,961	81,405	1.8
March	43,152	44,255	2.6	123,113	125,660	2.1
April	41,819			164,932		
May	43,893			208,825		
June	43,643			252,468		
July	42,769			295,237		
August	40,792			336,029		
September	40,645			376,674		
October	39,688			416,362		
November	41,293			457,655		
December	44,300			501,955		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	29,410	32,818	11.6	29,410	32,818	11.6
February	29,224	32,747	12.1	58,634	65,565	11.8
March	33,127	35,249	6.4	91,761	100,814	9.9
April	28,531			120,292		
May	33,114			153,406		
June	32,699			186,105		
July	32,026			218,131		
August	34,739			252,870		
September	33,459			286,329		
October	31,351			317,680		
November	31,158			348,838		
December	29,001			377,839		
Cottage cheese, lowfat						
January	26,555	29,535	11.2	26,555	29,535	11.2
February	24,353	28,625	17.5	50,908	58,160	14.2
March	26,305	29,719	13.0	77,213	87,879	13.8
April	25,100			102,313		
May	28,559			130,872		
June	27,433			158,305		
July	29,618			187,923		
August	32,997			220,920		
September	32,472			253,392		
October	29,760			283,152		
November	26,106			309,258		
December	26,154			335,412		
Sour cream						
January	127,476	128,934	1.1	127,476	128,934	1.1
February	114,036	119,290	4.6	241,512	248,224	2.8
March	127,913	123,346	-3.6	369,425	371,570	0.6
April	118,718			488,143		
May	128,185			616,328		
June	129,278			745,606		
July	118,268			863,874		
August	121,697			985,571		
September	119,965			1,105,536		
October	139,112			1,244,648		
November	141,909			1,386,557		
December	132,557			1,519,114		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	51,980	49,619	-4.5	51,980	49,619	-4.5
February	56,997	57,300	0.5	108,977	106,919	-1.9
March	65,225	66,149	1.4	174,202	173,068	-0.7
April	60,272			234,474		
May	63,493			297,967		
June	66,668			364,635		
July	61,876			426,511		
August	65,454			491,965		
September	61,000			552,965		
October	55,913			608,878		
November	48,489			657,367		
December	44,454			701,821		
Ice cream, lowfat total						
January	32,887	26,593	-19.1	32,887	26,593	-19.1
February	36,307	31,391	-13.5	69,194	57,984	-16.2
March	43,267	37,734	-12.8	112,461	95,718	-14.9
April	40,975			153,436		
May	42,912			196,348		
June	42,995			239,343		
July	41,580			280,923		
August	42,401			323,324		
September	35,738			359,062		
October	37,237			396,299		
November	27,899			424,198		
December	26,658			450,856		
Sherbet, hard						
January	1,783	1,609	-9.8	1,783	1,609	-9.8
February	2,029	1,533	-24.4	3,812	3,142	-17.6
March	1,851	1,875	1.3	5,663	5,017	-11.4
April	1,974			7,637		
May	1,937			9,574		
June	1,918			11,492		
July	1,698			13,190		
August	2,069			15,259		
September	1,525			16,784		
October	1,644			18,428		
November	1,371			19,799		
December	1,182			20,981		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2023 and 2024 (continued)

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,757	397,623	3.3	384,757	397,623	3.3
February	383,743	396,526	3.3	768,500	794,149	3.3
March	428,478	426,904	-0.4	1,196,978	1,221,053	2.0
April	371,914			1,568,892		
May	382,291			1,951,183		
June	384,105			2,335,288		
July	385,092			2,720,380		
August	392,827			3,113,207		
September	402,621			3,515,828		
October	374,844			3,890,672		
November	339,246			4,229,918		
December	359,954			4,589,872		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,584	3,277	26.8	2,584	3,277	26.8
February	3,450	4,001	16.0	6,034	7,278	20.6
March	3,710	3,713	0.1	9,744	10,991	12.8
April	3,238			12,982		
May	4,316			17,298		
June	4,272			21,570		
July	4,292			25,862		
August	4,335			30,197		
September	3,245			33,442		
October	3,321			36,763		
November	2,422			39,185		
December	3,191			42,376		

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:
March 2023 and 2024**

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	219,313	201,174	214,483	-2.2	6.6
Idaho	91,763	76,564	89,590	-2.4	17.0
Illinois	5,709	5,406	5,904	3.4	9.2
Iowa	33,995	30,982	33,417	-1.7	7.9
Massachusetts	6,309	6,447	6,626	5.0	2.8
Minnesota	71,872	65,514	71,483	-0.5	9.1
New Jersey	6,235	5,401	6,032	-3.3	11.7
New Mexico	83,061	75,722	82,920	-0.2	9.5
New York	75,104	73,977	72,940	-2.9	-1.4
Ohio	22,037	19,299	22,064	0.1	14.3
Pennsylvania	42,116	35,855	38,960	-7.5	8.7
South Dakota	45,897	44,107	49,375	7.6	11.9
Vermont	11,017	12,513	12,891	17.0	3.0
Wisconsin	303,678	281,098	302,912	-0.3	7.8
Other States ¹	206,714	205,926	216,487	4.7	5.1
United States	1,224,820	1,139,985	1,226,084	0.1	7.6
Atlantic	146,178	137,333	142,884	-2.3	4.0
Central	609,577	558,333	600,590	-1.5	7.6
West	469,065	444,319	482,610	2.9	8.6

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	48,933	43,248	50,361	2.9	16.4
Iowa	17,977	17,562	20,503	14.1	16.7
Minnesota	60,359	55,050	60,296	-0.1	9.5
New York	12,572	12,057	12,878	2.4	6.8
Wisconsin	95,790	83,296	92,000	-4.0	10.4
Other States ¹	270,199	235,378	255,296	-5.5	8.5
United States	505,830	446,591	491,334	-2.9	10.0
Atlantic	28,332	28,710	29,823	5.3	3.9
Central	282,487	248,518	273,895	-3.0	10.2
West	195,011	169,363	187,616	-3.8	10.8

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	21,624	19,374	21,291	-1.5	9.9
Iowa	12,605	11,793	16,045	27.3	36.1
Vermont	7,967	8,659	8,760	10.0	1.2
Wisconsin	65,190	54,214	60,400	-7.3	11.4
Other States ¹	247,993	220,531	236,799	-4.5	7.4
United States	355,379	314,571	343,295	-3.4	9.1
Atlantic	26,761	27,469	28,189	5.3	2.6
Central	197,644	177,525	191,909	-2.9	8.1
West	130,974	109,577	123,197	-5.9	12.4

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	143,296	138,717	144,305	0.7	4.0
Minnesota	11,202	10,310	11,027	-1.6	7.0
New Jersey	3,227	2,501	3,078	-4.6	23.1
New York	31,699	28,863	30,938	-2.4	7.2
Pennsylvania	24,273	20,731	22,482	-7.4	8.4
Wisconsin	139,493	134,557	145,432	4.3	8.1
Other States ¹	143,023	141,213	160,806	12.4	13.9
United States	496,213	476,892	518,068	4.4	8.6
Atlantic	63,248	53,703	60,538	-4.3	12.7
Central	211,013	196,061	211,076	(Z)	7.7
West	221,952	227,128	246,454	11.0	8.5

(Z) Less than half of the unit shown.

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	132,772	125,939	134,025	0.9	6.4
New Jersey	1,751	1,255	1,523	-13.0	21.4
New York	15,361	12,673	14,673	-4.5	15.8
Pennsylvania	19,885	16,631	18,190	-8.5	9.4
Wisconsin	85,630	87,135	93,100	8.7	6.8
Other States ¹	128,195	130,493	148,156	15.6	13.5
United States	383,594	374,126	409,667	6.8	9.5
Atlantic	39,444	31,423	36,833	-6.6	17.2
Central	134,474	129,701	137,768	2.4	6.2
West	209,676	213,002	235,066	12.1	10.4

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

Butter Production – States, United States, and Regions: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	65,498	60,500	65,808	0.5	8.8
Pennsylvania	7,626	7,825	7,749	1.6	-1.0
Other States ¹	132,638	129,320	134,986	1.8	4.4
United States	205,762	197,645	208,543	1.4	5.5
Atlantic	18,228	17,463	17,037	-6.5	-2.4
Central	81,111	78,829	82,438	1.6	4.6
West	106,423	101,353	109,068	2.5	7.6

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	92,345	73,249	91,885	-0.5	25.4
Pennsylvania	14,993	10,658	11,635	-22.4	9.2
Other States ¹	92,052	63,174	80,183	-12.9	26.9
United States	199,390	147,081	183,703	-7.9	24.9
Atlantic	28,624	22,098	25,241	-11.8	14.2
Central	40,786	27,242	39,441	-3.3	44.8
West	129,980	97,741	119,021	-8.4	21.8

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: March 2023 and 2024

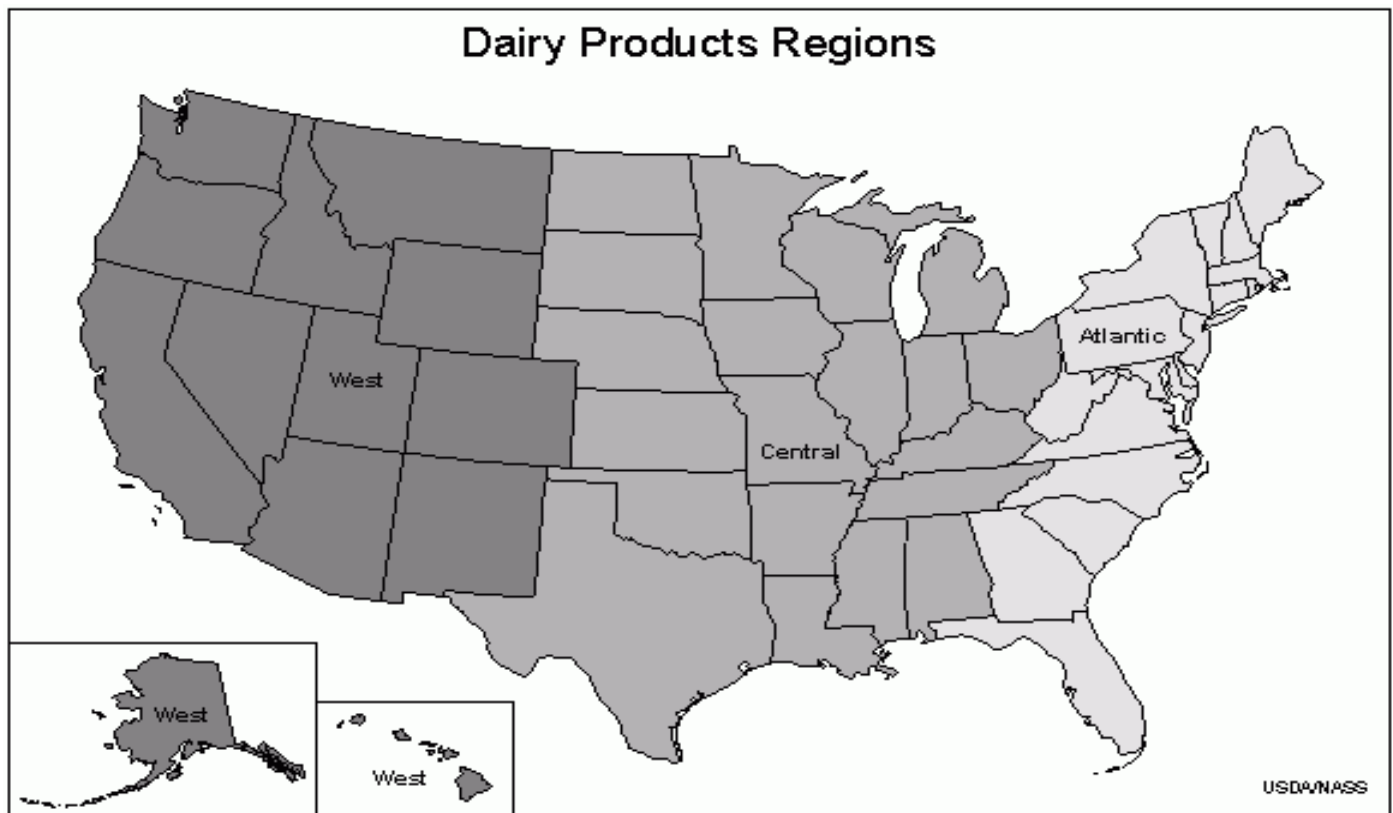
State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,058	11,138	11,560	4.5	3.8
Wisconsin	18,606	21,150	25,834	38.8	22.1
Other States ¹	43,058	33,948	37,069	-13.9	9.2
United States	72,722	66,236	74,463	2.4	12.4
Atlantic	21,562	17,917	21,059	-2.3	17.5
Central	33,930	35,383	39,954	17.8	12.9
West	17,230	12,936	13,450	-21.9	4.0

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: March 2023 and 2024

State and region	March 2023	February 2024	March 2024	Change from	
				March 2023	February 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,731	6,278	7,222	7.3	15.0
New York	2,368	2,050	2,239	-5.4	9.2
Ohio	2,477	2,106	1,984	-19.9	-5.8
Utah	1,789	1,693	1,608	-10.1	-5.0
Wisconsin	913	818	994	8.9	21.5
Other States ¹	50,947	44,355	52,102	2.3	17.5
United States	65,225	57,300	66,149	1.4	15.4
Atlantic	12,649	10,615	12,377	-2.2	16.6
Central	41,009	35,219	40,917	-0.2	16.2
West	11,567	11,466	12,855	11.1	12.1

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 2023, there were 1,183 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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