



Dairy Products

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January 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.19 billion pounds, 1.2 percent below January 2023 and 0.5 percent below December 2023.

Italian type cheese production totaled 503 million pounds, 0.7 percent above January 2023 but 1.1 percent below December 2023.

American type cheese production totaled 471 million pounds, 5.5 percent below January 2023 and 1.9 percent below December 2023.

Butter production was 214 million pounds, 6.4 percent above January 2023 and 10.6 percent above December 2023.

Dry milk products (comparisons in percentage with January 2023)

Nonfat dry milk, human - 139 million pounds, down 20.4 percent.

Skim milk powder - 56.9 million pounds, up 27.7 percent.

Whey products (comparisons in percentage with January 2023)

Dry whey, total - 78.0 million pounds, up 1.7 percent.

Lactose, human and animal - 90.8 million pounds, up 2.1 percent.

Whey protein concentrate, total - 42.3 million pounds, up 1.9 percent.

Frozen products (comparisons in percentage with January 2023)

Ice cream, regular (hard) - 49.6 million gallons, down 6.3 percent.

Ice cream, lowfat (total) - 26.5 million gallons, down 8.6 percent.

Sherbet (hard) - 1.75 million gallons, down 11.3 percent.

Frozen yogurt (total) - 3.33 million gallons, down 3.9 percent.

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

Product	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	201,347	193,767	214,240	6.4	10.6
Cheese					
American types ¹	498,646	480,237	471,161	-5.5	-1.9
Cheddar	353,921	331,032	326,075	-7.9	-1.5
Other American types	144,725	149,205	145,086	0.2	-2.8
Blue and Gorgonzola	6,363	6,787	6,639	4.3	-2.2
Brick and Muenster	17,186	17,193	16,710	-2.8	-2.8
Cream and Neufchatel	95,203	88,801	98,880	3.9	11.4
Feta	10,057	9,765	11,200	11.4	14.7
Gouda	4,747	5,686	4,545	-4.3	-20.1
Hispanic	30,707	38,421	38,351	24.9	-0.2
Italian types	499,904	508,944	503,431	0.7	-1.1
Mozzarella	393,111	403,231	393,301	(Z)	-2.5
Parmesan	43,308	41,079	44,574	2.9	8.5
Provolone	28,794	30,299	30,817	7.0	1.7
Ricotta	23,697	22,745	22,880	-3.4	0.6
Romano	3,839	4,388	4,382	14.1	-0.1
Other Italian types	7,155	7,202	7,477	4.5	3.8
Swiss	30,061	29,146	28,510	-5.2	-2.2
All other types	12,463	12,760	12,038	-3.4	-5.7
Total cheese ²	1,205,337	1,197,740	1,191,465	-1.2	-0.5
Cottage cheese, curd ³	31,115	31,079	33,565	7.9	8.0
Cottage cheese, cream ⁴	28,894	29,463	32,850	13.7	11.5
Cottage cheese, lowfat ⁵	26,110	26,489	29,329	12.3	10.7
Sour cream	126,074	131,736	128,764	2.1	-2.3
Yogurt, plain and flavored	391,637	357,336	390,961	-0.2	9.4
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	52,963	47,304	49,617	-6.3	4.9
Ice cream, lowfat, hard	15,586	13,972	12,935	-17.0	-7.4
Ice cream, lowfat, soft	13,432	9,924	13,596	1.2	37.0
Ice cream, lowfat, total ⁶	29,018	23,896	26,531	-8.6	11.0
Ice cream, nonfat, hard	512	620	522	2.0	-15.8
Sherbet, hard	1,971	1,261	1,748	-11.3	38.6
Frozen yogurt, total	3,467	3,604	3,332	-3.9	-7.5
Regular and lowfat, hard	831	1,162	708	-14.8	-39.1
Nonfat, hard	119	146	107	-10.1	-26.7
Other frozen dairy products	464	803	720	55.2	-10.3
Water and juice ices	3,573	4,038	3,661	2.5	-9.3
Mix for frozen products					
Ice cream, regular, mix	32,883	29,973	31,772	-3.4	6.0
Ice cream, lowfat, mix ⁷	16,246	13,296	14,949	-8.0	12.4
Ice cream, nonfat, mix	386	304	292	-24.4	-3.9
Sherbet mix	1,347	1,041	1,360	1.0	30.6
Yogurt mix	1,546	1,913	1,555	0.6	-18.7

(Z) Less than half of the unit shown.

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:
January 2023 and 2024**

Product	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,396	9,660	9,580	14.1	-0.8
Dry whey products					
Dry whey, human	71,659	68,231	73,456	2.5	7.7
Dry whey, animal	5,054	4,319	4,591	-9.2	6.3
Dry whey, total	76,713	72,550	78,047	1.7	7.6
Reduced Lactose and minerals					
Human and animal	3,782	3,606	3,265	-13.7	-9.5
Whey protein concentrate					
Human ²	41,030	43,621	41,677	1.6	-4.5
Animal ²	487	398	648	33.1	62.8
Total ²	41,517	44,019	42,325	1.9	-3.8
25.0-49.9 percent ³	15,382	11,884	12,225	-20.5	2.9
50.0-89.9 percent ³	26,135	32,135	30,100	15.2	-6.3
Whey protein isolates ⁴	8,841	14,934	13,660	54.5	-8.5
Lactose, human and animal	88,959	91,971	90,839	2.1	-1.2
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	65,111	65,429	63,140	-3.0	-3.5
Dry whey, animal	3,330	3,887	4,368	31.2	12.4
Dry whey, total	68,441	69,316	67,508	-1.4	-2.6
Reduced Lactose and minerals					
Human and animal ⁶	12,447	5,205	5,987	-51.9	15.0
Whey protein concentrate					
Human ²	84,981	59,693	57,130	-32.8	-4.3
Animal ²	748	1,721	1,067	42.6	-38.0
Total ²	85,729	61,414	58,197	-32.1	-5.2
25.0-49.9 percent ³	31,700	25,207	23,517	-25.8	-6.7
50.0-89.9 percent ³	54,029	36,207	34,680	-35.8	-4.2
Whey protein isolates ⁴	23,010	15,456	15,305	-33.5	-1.0
Lactose, human and animal	166,001	105,780	104,228	-37.2	-1.5
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	32.0	23.3	26.6	-5.4	3.3

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:
January 2023 and 2024**

Product	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	120,181	109,812	116,917	-2.7	6.5
Dry milk products					
Dry buttermilk, total	14,468	14,621	18,231	26.0	24.7
Dry skim milk, animal	1,246	539	671	-46.1	24.5
Dry whole milk	9,349	9,600	9,881	5.7	2.9
Milk protein concentrate, total ¹	20,201	20,247	23,380	15.7	15.5
Nonfat dry milk, human	174,953	147,701	139,201	-20.4	-5.8
Skim milk powder, total ²	44,580	54,398	56,918	27.7	4.6
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	39,834	30,040	31,533	-20.8	5.0
Dry skim milk, animal	7,109	6,499	3,307	-53.5	-49.1
Dry whole milk	16,137	13,073	11,972	-25.8	-8.4
Nonfat dry milk, human	270,533	203,161	212,308	-21.5	4.5
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	153,508	144,808	124,291	-19.0	-14.2

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	1,205,337	1,191,465	-1.2	1,205,337	1,191,465	-1.2
February	1,100,262			2,305,599		
March	1,231,918			3,537,517		
April	1,169,980			4,707,497		
May	1,203,666			5,911,163		
June	1,170,317			7,081,480		
July	1,155,782			8,237,262		
August	1,156,500			9,393,762		
September	1,149,658			10,543,420		
October	1,194,253			11,737,673		
November	1,158,556			12,896,229		
December	1,197,740			14,093,969		
Total American cheese types ²						
January	498,646	471,161	-5.5	498,646	471,161	-5.5
February	443,179			941,825		
March	498,889			1,440,714		
April	485,838			1,926,552		
May	510,181			2,436,733		
June	473,627			2,910,360		
July	468,347			3,378,707		
August	458,648			3,837,355		
September	462,501			4,299,856		
October	470,128			4,769,984		
November	460,868			5,230,852		
December	480,237			5,711,089		
Cheddar cheese						
January	353,921	326,075	-7.9	353,921	326,075	-7.9
February	317,059			670,980		
March	348,055			1,019,035		
April	345,668			1,364,703		
May	356,583			1,721,286		
June	338,004			2,059,290		
July	323,377			2,382,667		
August	313,182			2,695,849		
September	311,284			3,007,133		
October	328,858			3,335,991		
November	314,280			3,650,271		
December	331,032			3,981,303		

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	499,904	503,431	0.7	499,904	503,431	0.7
February	458,867			958,771		
March	512,918			1,471,689		
April	479,150			1,950,839		
May	482,542			2,433,381		
June	480,836			2,914,217		
July	482,907			3,397,124		
August	483,985			3,881,109		
September	479,742			4,360,851		
October	506,674			4,867,525		
November	485,901			5,353,426		
December	508,944			5,862,370		
Mozzarella						
January	393,111	393,301	(Z)	393,111	393,301	(Z)
February	361,531			754,642		
March	401,721			1,156,363		
April	380,896			1,537,259		
May	379,497			1,916,756		
June	380,049			2,296,805		
July	382,947			2,679,752		
August	382,496			3,062,248		
September	379,942			3,442,190		
October	399,380			3,841,570		
November	379,783			4,221,353		
December	403,231			4,624,584		
Other Italian cheese types						
January	7,155	7,477	4.5	7,155	7,477	4.5
February	6,580			13,735		
March	7,398			21,133		
April	9,487			30,620		
May	7,195			37,815		
June	6,795			44,610		
July	6,526			51,136		
August	7,048			58,184		
September	6,540			64,724		
October	7,316			72,040		
November	7,161			79,201		
December	7,202			86,403		

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	201,347	214,240	6.4	201,347	214,240	6.4
February	187,200			388,547		
March	204,964			593,511		
April	196,909			790,420		
May	194,581			985,001		
June	162,129			1,147,130		
July	159,267			1,306,397		
August	139,969			1,446,366		
September	142,737			1,589,103		
October	162,325			1,751,428		
November	165,844			1,917,272		
December	193,767			2,111,039		
Nonfat dry milk, human						
January	174,953	139,201	-20.4	174,953	139,201	-20.4
February	182,528			357,481		
March	199,448			556,929		
April	198,595			755,524		
May	208,766			964,290		
June	178,017			1,142,307		
July	135,135			1,277,442		
August	110,809			1,388,251		
September	100,666			1,488,917		
October	127,425			1,616,342		
November	115,702			1,732,044		
December	147,701			1,879,745		
Skim milk powder, total ³						
January	44,580	56,918	27.7	44,580	56,918	27.7
February	37,199			81,779		
March	35,252			117,031		
April	34,783			151,814		
May	34,678			186,492		
June	37,410			223,902		
July	60,669			284,571		
August	59,575			344,146		
September	55,650			399,796		
October	43,485			443,281		
November	56,871			500,152		
December	54,398			554,550		

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	78,047	1.7	76,713	78,047	1.7
February	66,824			143,537		
March	77,542			221,079		
April	79,592			300,671		
May	81,777			382,448		
June	84,544			466,992		
July	87,861			554,853		
August	82,826			637,679		
September	76,792			714,471		
October	74,316			788,787		
November	67,356			856,143		
December	72,550			928,693		
Lactose, human and animal						
January	88,959	90,839	2.1	88,959	90,839	2.1
February	82,682			171,641		
March	98,547			270,188		
April	91,420			361,608		
May	94,083			455,691		
June	97,381			553,072		
July	92,704			645,776		
August	92,311			738,087		
September	94,356			832,443		
October	90,060			922,503		
November	84,931			1,007,434		
December	91,971			1,099,405		
Whey protein concentrate, total						
January	41,517	42,325	1.9	41,517	42,325	1.9
February	37,173			78,690		
March	42,501			121,191		
April	41,663			162,854		
May	43,829			206,683		
June	42,401			249,084		
July	42,053			291,137		
August	39,932			331,069		
September	39,688			370,757		
October	39,548			410,305		
November	40,443			450,748		
December	44,019			494,767		

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	28,894	32,850	13.7	28,894	32,850	13.7
February	29,357			58,251		
March	33,090			91,341		
April	28,368			119,709		
May	33,021			152,730		
June	32,271			185,001		
July	32,233			217,234		
August	34,401			251,635		
September	32,330			283,965		
October	31,486			315,451		
November	31,288			346,739		
December	29,463			376,202		
Cottage cheese, lowfat						
January	26,110	29,329	12.3	26,110	29,329	12.3
February	24,320			50,430		
March	25,899			76,329		
April	24,605			100,934		
May	28,066			129,000		
June	27,307			156,307		
July	29,280			185,587		
August	32,495			218,082		
September	31,564			249,646		
October	29,659			279,305		
November	25,996			305,301		
December	26,489			331,790		
Sour cream						
January	126,074	128,764	2.1	126,074	128,764	2.1
February	113,600			239,674		
March	125,905			365,579		
April	117,517			483,096		
May	127,349			610,445		
June	127,333			737,778		
July	117,830			855,608		
August	123,536			979,144		
September	116,079			1,095,223		
October	139,526			1,234,749		
November	141,618			1,376,367		
December	131,736			1,508,103		

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	52,963	49,617	-6.3	52,963	49,617	-6.3
February	58,382			111,345		
March	66,245			177,590		
April	61,008			238,598		
May	63,592			302,190		
June	67,211			369,401		
July	61,962			431,363		
August	66,453			497,816		
September	62,527			560,343		
October	57,432			617,775		
November	49,837			667,612		
December	47,304			714,916		
Ice cream, lowfat total						
January	29,018	26,531	-8.6	29,018	26,531	-8.6
February	31,897			60,915		
March	39,634			100,549		
April	37,670			138,219		
May	40,755			178,974		
June	41,917			220,891		
July	42,214			263,105		
August	40,681			303,786		
September	33,374			337,160		
October	32,293			369,453		
November	26,969			396,422		
December	23,896			420,318		
Sherbet, hard						
January	1,971	1,748	-11.3	1,971	1,748	-11.3
February	2,308			4,279		
March	1,969			6,248		
April	2,047			8,295		
May	2,007			10,302		
June	1,914			12,216		
July	1,639			13,855		
August	1,869			15,724		
September	1,637			17,361		
October	1,702			19,063		
November	1,454			20,517		
December	1,261			21,778		

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	391,637	390,961	-0.2	391,637	390,961	-0.2
February	400,599			792,236		
March	440,775			1,233,011		
April	382,713			1,615,724		
May	404,050			2,019,774		
June	401,095			2,420,869		
July	400,464			2,821,333		
August	409,566			3,230,899		
September	417,544			3,648,443		
October	390,148			4,038,591		
November	352,983			4,391,574		
December	357,336			4,748,910		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	3,467	3,332	-3.9	3,467	3,332	-3.9
February	4,340			7,807		
March	3,296			11,103		
April	3,496			14,599		
May	4,374			18,973		
June	4,577			23,550		
July	4,903			28,453		
August	4,217			32,670		
September	2,962			35,632		
October	3,782			39,414		
November	2,596			42,010		
December	3,604			45,614		

(Z) Less than half of the unit shown.

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:
January 2023 and 2024**

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	203,976	214,325	213,000	4.4	-0.6
Idaho	89,502	88,125	86,988	-2.8	-1.3
Illinois	5,505	5,463	4,812	-12.6	-11.9
Iowa	32,903	35,622	33,811	2.8	-5.1
Minnesota	70,870	70,172	71,537	0.9	1.9
New Jersey	5,717	6,157	6,196	8.4	0.6
New Mexico	95,543	83,210	81,958	-14.2	-1.5
New York	71,829	67,425	78,285	9.0	16.1
Ohio	22,913	22,733	22,432	-2.1	-1.3
Pennsylvania	38,038	38,073	37,094	-2.5	-2.6
South Dakota	41,468	44,973	44,127	6.4	-1.9
Vermont	12,741	12,251	13,065	2.5	6.6
Wisconsin	296,382	297,320	297,846	0.5	0.2
Other States ¹	217,950	211,891	200,314	-8.1	-5.5
United States	1,205,337	1,197,740	1,191,465	-1.2	-0.5
Atlantic	138,173	136,477	144,959	4.9	6.2
Central	582,076	583,672	572,241	-1.7	-2.0
West	485,088	477,591	474,265	-2.2	-0.7

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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	43,896	47,614	47,935	9.2	0.7
Iowa	18,068	17,971	17,928	-0.8	-0.2
Minnesota	60,542	59,057	60,050	-0.8	1.7
New York	12,330	13,138	13,145	6.6	0.1
Wisconsin	94,365	92,902	93,600	-0.8	0.8
Other States ¹	269,445	249,555	238,503	-11.5	-4.4
United States	498,646	480,237	471,161	-5.5	-1.9
Atlantic	29,446	30,088	30,656	4.1	1.9
Central	266,947	261,149	255,368	-4.3	-2.2
West	202,253	189,000	185,137	-8.5	-2.0

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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	20,645	17,256	23,838	15.5	38.1
Vermont	8,767	8,865	9,241	5.4	4.2
Wisconsin	63,855	61,512	63,200	-1.0	2.7
Other States ¹	260,654	243,399	229,796	-11.8	-5.6
United States	353,921	331,032	326,075	-7.9	-1.5
Atlantic	27,562	28,228	28,677	4.0	1.6
Central	187,565	178,488	174,026	-7.2	-2.5
West	138,794	124,316	123,372	-11.1	-0.8

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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	135,476	139,646	138,832	2.5	-0.6
Minnesota	10,135	10,933	11,292	11.4	3.3
New Jersey	3,147	3,331	3,249	3.2	-2.5
New York	29,536	29,623	32,179	8.9	8.6
Pennsylvania	24,808	23,231	23,073	-7.0	-0.7
Wisconsin	141,134	143,571	143,454	1.6	-0.1
Other States ¹	155,668	158,609	151,352	-2.8	-4.6
United States	499,904	508,944	503,431	0.7	-1.1
Atlantic	59,475	60,560	60,491	1.7	-0.1
Central	208,771	213,460	208,049	-0.3	-2.5
West	231,658	234,924	234,891	1.4	(Z)

(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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	122,974	129,784	124,718	1.4	-3.9
New Jersey	1,328	1,450	1,459	9.9	0.6
New York	13,040	14,727	16,370	25.5	11.2
Pennsylvania	20,679	19,112	19,133	-7.5	0.1
Wisconsin	92,125	92,845	93,000	0.9	0.2
Other States ¹	142,965	145,313	138,621	-3.0	-4.6
United States	393,111	403,231	393,301	(Z)	-2.5
Atlantic	36,125	38,423	38,040	5.3	-1.0
Central	139,417	141,101	136,010	-2.4	-3.6
West	217,569	223,707	219,251	0.8	-2.0

(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.

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

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	64,779	59,480	65,004	0.3	9.3
Pennsylvania	7,950	8,418	8,520	7.2	1.2
Other States ¹	128,618	125,869	140,716	9.4	11.8
United States	201,347	193,767	214,240	6.4	10.6
Atlantic	17,223	16,535	19,440	12.9	17.6
Central	80,790	76,284	84,747	4.9	11.1
West	103,334	100,948	110,053	6.5	9.0

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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	79,250	62,770	62,903	-20.6	0.2
Pennsylvania	14,760	13,769	10,922	-26.0	-20.7
Other States ¹	80,943	71,162	65,376	-19.2	-8.1
United States	174,953	147,701	139,201	-20.4	-5.8
Atlantic	25,855	26,712	23,606	-8.7	-11.6
Central	39,791	30,614	28,414	-28.6	-7.2
West	109,307	90,375	87,181	-20.2	-3.5

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: January 2023 and 2024

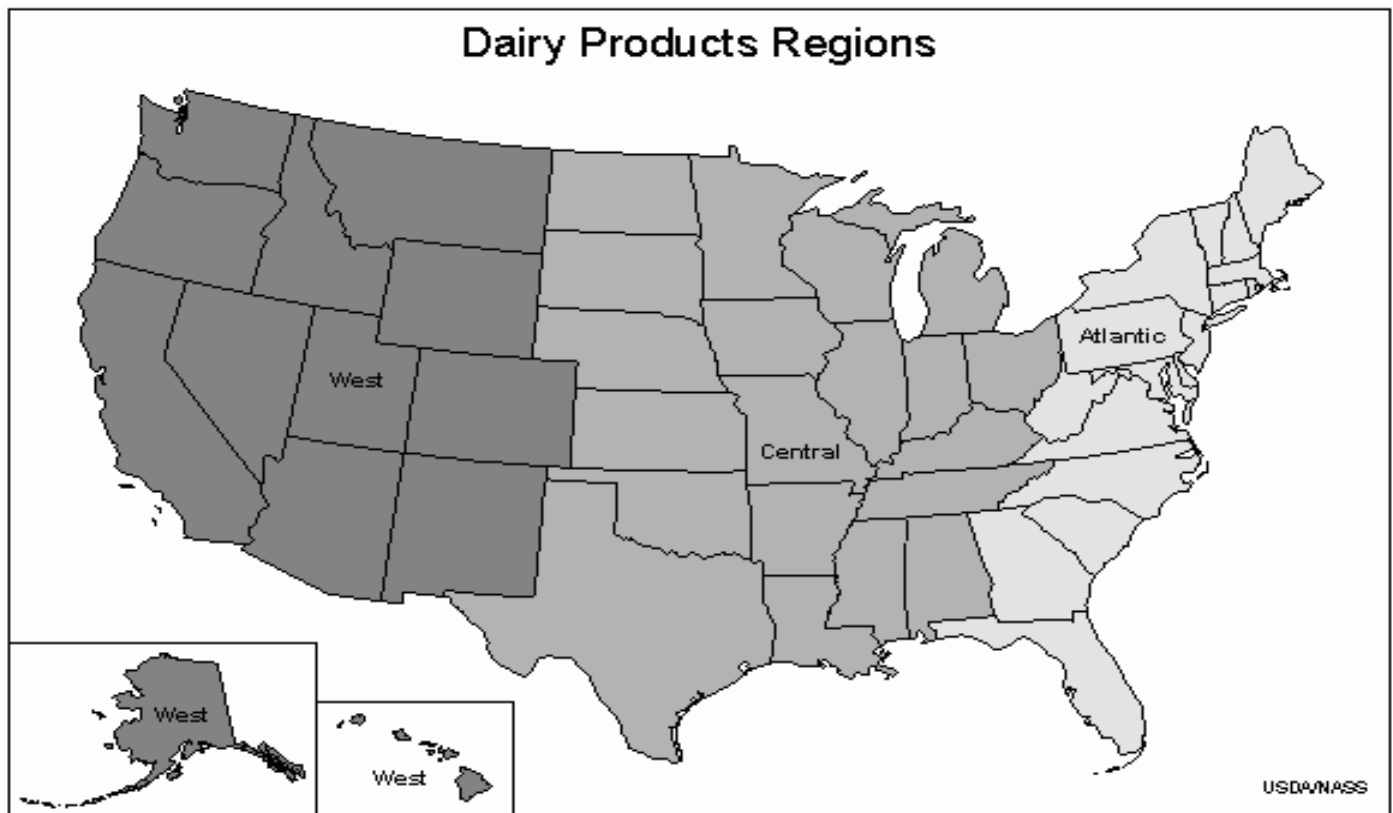
State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,277	11,093	11,853	5.1	6.9
Wisconsin	20,872	23,939	24,020	15.1	0.3
Other States ¹	39,510	33,199	37,583	-4.9	13.2
United States	71,659	68,231	73,456	2.5	7.7
Atlantic	21,808	21,338	21,890	0.4	2.6
Central	31,013	34,316	33,679	8.6	-1.9
West	18,838	12,577	17,887	-5.0	42.2

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: January 2023 and 2024

State and region	January 2023	December 2023	January 2024	Change from	
				January 2023	December 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,498	4,860	6,058	10.2	24.7
Connecticut	1,337	839	918	-31.3	9.4
New York	1,707	1,698	1,807	5.9	6.4
Ohio	2,018	1,721	2,128	5.5	23.6
Oregon	968	809	979	1.1	21.0
Pennsylvania	2,382	3,223	2,770	16.3	-14.1
Tennessee	1,970	1,468	1,487	-24.5	1.3
Utah	870	1,006	1,372	57.7	36.4
Wisconsin	696	690	787	13.1	14.1
Other States ¹	35,517	30,990	31,311	-11.8	1.0
United States	52,963	47,304	49,617	-6.3	4.9
Atlantic	10,653	10,046	10,590	-0.6	5.4
Central	33,346	28,547	28,629	-14.1	0.3
West	8,964	8,711	10,398	16.0	19.4

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 2022, there were 1,201 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

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

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

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

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

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

Information Contacts

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

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Kim DaPra – Milk Production and Milk Cows	(512) 501-3266
Donnie Fike – Dairy Products	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Suzanne Richards – Sheep and Goats	(202) 720-4448

Access to NASS Reports

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- 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.

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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2024 USDA Spring Data Users' Meeting

April 16, 2024

**Register at: nass.usda.gov/go/data_users
Free and open to the public**

USDA Spring Data Users' Meeting

Join Us Online or in Chicago

April 16, 2024

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, IL 60611

USDA's National Agricultural Statistics Service (NASS) will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2024 Spring Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/go/data_users).