



# Dairy Products

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## April 2023 Highlights

**Total cheese** output (excluding cottage cheese) was 1.17 billion pounds, 0.2 percent below April 2022 and 4.9 percent below March 2023.

**Italian type cheese** production totaled 478 million pounds, 2.6 percent below April 2022 and 6.7 percent below March 2023.

**American type cheese** production totaled 488 million pounds, 2.3 percent above April 2022 but 2.1 percent below March 2023.

**Butter** production was 195 million pounds, 7.6 percent above April 2022 but 4.9 percent below March 2023.

### **Dry milk products** (comparisons in percentage with April 2022)

Nonfat dry milk, human - 200 million pounds, up 1.9 percent.

Skim milk powder - 34.5 million pounds, down 22.6 percent.

### **Whey products** (comparisons in percentage with April 2022)

Dry whey, total - 80.8 million pounds, up 1.7 percent.

Lactose, human and animal - 91.4 million pounds, down 4.9 percent.

Whey protein concentrate, total - 39.6 million pounds, up 7.2 percent.

### **Frozen products** (comparisons in percentage with April 2022)

Ice cream, regular (hard) - 61.4 million gallons, down 6.1 percent.

Ice cream, lowfat (total) - 37.1 million gallons, down 8.2 percent.

Sherbet (hard) - 2.13 million gallons, up 7.1 percent.

Frozen yogurt (total) - 3.60 million gallons, up 2.6 percent.

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# Dairy Products Production by Product – United States: April 2022 and 2023

Product	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	181,303	204,964	194,992	7.6	-4.9
Cheese					
American types <sup>1</sup> .....	477,133	498,889	488,195	2.3	-2.1
Cheddar .....	327,173	348,055	346,217	5.8	-0.5
Other American types .....	149,960	150,834	141,978	-5.3	-5.9
Blue and Gorgonzola .....	7,859	8,093	6,515	-17.1	-19.5
Brick and Muenster .....	17,698	15,895	14,623	-17.4	-8.0
Cream and Neufchatel .....	89,417	100,237	92,221	3.1	-8.0
Feta .....	12,432	13,909	12,862	3.5	-7.5
Gouda .....	5,339	5,687	5,534	3.7	-2.7
Hispanic .....	29,058	36,069	32,460	11.7	-10.0
Italian types .....	491,105	512,918	478,306	-2.6	-6.7
Mozzarella .....	386,577	401,721	381,693	-1.3	-5.0
Parmesan .....	40,473	44,117	37,423	-7.5	-15.2
Provolone .....	29,552	32,212	27,408	-7.3	-14.9
Ricotta .....	21,043	22,749	18,302	-13.0	-19.5
Romano .....	5,393	4,721	3,889	-27.9	-17.6
Other Italian types .....	8,067	7,398	9,591	18.9	29.6
Swiss .....	30,394	27,163	27,994	-7.9	3.1
All other types .....	13,002	13,058	12,407	-4.6	-5.0
Total cheese <sup>2</sup> .....	1,173,437	1,231,918	1,171,117	-0.2	-4.9
Cottage cheese, curd <sup>3</sup> .....	29,363	32,820	30,192	2.8	-8.0
Cottage cheese, cream <sup>4</sup> .....	26,629	33,090	28,367	6.5	-14.3
Cottage cheese, lowfat <sup>5</sup> .....	24,821	25,899	24,606	-0.9	-5.0
Sour cream .....	116,700	125,905	117,562	0.7	-6.6
Yogurt, plain and flavored .....	373,945	440,775	385,604	3.1	-12.5
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard .....	65,427	66,245	61,411	-6.1	-7.3
Ice cream, lowfat, hard .....	19,879	21,367	18,052	-9.2	-15.5
Ice cream, lowfat, soft .....	20,544	18,267	19,056	-7.2	4.3
Ice cream, lowfat, total <sup>6</sup> .....	40,423	39,634	37,108	-8.2	-6.4
Ice cream, nonfat, hard .....	801	694	746	-6.9	7.5
Sherbet, hard .....	1,991	1,969	2,132	7.1	8.3
Frozen yogurt, total .....	3,509	3,296	3,600	2.6	9.2
Regular and lowfat, hard .....	1,047	1,269	1,004	-4.1	-20.9
Nonfat, hard .....	207	264	341	64.7	29.2
Other frozen dairy products .....	1,168	1,038	1,012	-13.4	-2.5
Water and juice ices .....	6,002	7,046	6,386	6.4	-9.4
Mix for frozen products					
Ice cream, regular, mix .....	43,581	42,858	39,605	-9.1	-7.6
Ice cream, lowfat, mix <sup>7</sup> .....	21,472	22,184	20,912	-2.6	-5.7
Ice cream, nonfat, mix .....	505	570	449	-11.1	-21.2
Sherbet mix .....	1,576	1,614	1,662	5.5	3.0
Yogurt mix .....	1,771	2,222	2,009	13.4	-9.6

<sup>1</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>2</sup> Excludes Cottage Cheese.

<sup>3</sup> Mostly used for processing into cream or lowfat cottage cheese.

<sup>4</sup> Fat content 4 percent or more.

<sup>5</sup> Fat content less than 4 percent.

<sup>6</sup> Includes freezer-made milkshake.

<sup>7</sup> Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:  
April 2022 and 2023**

Product	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,511	9,978	9,800	-6.8	-1.8
Dry whey products					
Dry whey, human .....	77,905	72,972	76,422	-1.9	4.7
Dry whey, animal .....	1,541	4,570	4,372	183.7	-4.3
Dry whey, total .....	79,446	77,542	80,794	1.7	4.2
Reduced lactose and minerals					
Human .....	2,727	899	923	-66.2	2.7
Animal .....	3,181	3,151	3,170	-0.3	0.6
Whey protein concentrate					
Human <sup>2</sup> .....	35,450	41,376	38,389	8.3	-7.2
Animal <sup>2</sup> .....	1,464	1,125	1,181	-19.3	5.0
Total <sup>2</sup> .....	36,914	42,501	39,570	7.2	-6.9
25.0-49.9 percent <sup>3</sup> .....	12,201	14,159	13,500	10.6	-4.7
50.0-89.9 percent <sup>3</sup> .....	24,713	28,342	26,070	5.5	-8.0
Whey protein isolates <sup>4</sup> .....	12,011	8,737	8,671	-27.8	-0.8
Lactose, human and animal .....	96,162	98,547	91,425	-4.9	-7.2
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	71,476	64,658	75,333	5.4	16.5
Dry whey, animal .....	991	3,148	4,184	322.2	32.9
Dry whey, total .....	72,467	67,806	79,517	9.7	17.3
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	9,193	8,712	7,224	-21.4	-17.1
Whey protein concentrate					
Human <sup>2</sup> .....	68,662	86,610	85,279	24.2	-1.5
Animal <sup>2</sup> .....	1,701	1,094	1,027	-39.6	-6.1
Total <sup>2</sup> .....	70,363	87,704	86,306	22.7	-1.6
25.0-49.9 percent <sup>3</sup> .....	20,767	33,792	32,548	56.7	-3.7
50.0-89.9 percent <sup>3</sup> .....	49,596	53,912	53,758	8.4	-0.3
Whey protein isolates <sup>4</sup> .....	15,291	24,834	25,172	64.6	1.4
Lactose, human and animal .....	171,260	166,921	168,665	-1.5	1.0
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	39.9	23.6	28.3	-11.7	4.7

<sup>1</sup> 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.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> 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:  
April 2022 and 2023**

Product	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	112,942	126,029	119,012	5.4	-5.6
Dry milk products					
Dry buttermilk, total .....	12,444	14,021	12,886	3.6	-8.1
Dry skim milk, animal .....	900	925	537	-40.3	-41.9
Dry whole milk .....	10,710	9,882	8,529	-20.4	-13.7
Milk protein concentrate, total <sup>1</sup> .....	21,638	20,840	20,914	-3.3	0.4
Nonfat dry milk, human .....	195,821	199,448	199,624	1.9	0.1
Skim milk powder, total <sup>2</sup> .....	44,613	35,252	34,525	-22.6	-2.1
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	24,515	38,510	39,477	61.0	2.5
Dry skim milk, animal .....	7,955	5,612	5,891	-25.9	5.0
Dry whole milk .....	19,464	17,960	14,302	-26.5	-20.4
Nonfat dry milk, human .....	299,123	312,609	309,230	3.4	-1.1
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	174,575	193,840	194,707	11.5	0.4

<sup>1</sup> Dry milk protein concentrate, 40-89.9 percent.

<sup>2</sup> Includes protein standardized and blends.

<sup>3</sup> Stocks held by manufacturers at all points and in transit.

<sup>4</sup> For dry products, shipments of bulk goods.

# Dairy Products Production by Product and Month – United States: 2022 and 2023

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese <sup>1</sup>						
January .....	1,178,278	1,205,337	2.3	1,178,278	1,205,337	2.3
February .....	1,091,747	1,100,262	0.8	2,270,025	2,305,599	1.6
March .....	1,231,174	1,231,918	0.1	3,501,199	3,537,517	1.0
April .....	1,173,437	1,171,117	-0.2	4,674,636	4,708,634	0.7
May .....	1,204,698			5,879,334		
June .....	1,165,799			7,045,133		
July .....	1,170,138			8,215,271		
August .....	1,157,264			9,372,535		
September .....	1,150,810			10,523,345		
October .....	1,184,538			11,707,883		
November .....	1,156,153			12,864,036		
December .....	1,198,739			14,062,775		
Total American cheese types <sup>2</sup>						
January .....	483,756	498,646	3.1	483,756	498,646	3.1
February .....	436,283	443,179	1.6	920,039	941,825	2.4
March .....	482,811	498,889	3.3	1,402,850	1,440,714	2.7
April .....	477,133	488,195	2.3	1,879,983	1,928,909	2.6
May .....	488,333			2,368,316		
June .....	466,040			2,834,356		
July .....	473,984			3,308,340		
August .....	457,667			3,766,007		
September .....	446,931			4,212,938		
October .....	475,411			4,688,349		
November .....	466,253			5,154,602		
December .....	485,708			5,640,310		
Cheddar cheese						
January .....	344,643	353,921	2.7	344,643	353,921	2.7
February .....	306,347	317,059	3.5	650,990	670,980	3.1
March .....	333,498	348,055	4.4	984,488	1,019,035	3.5
April .....	327,173	346,217	5.8	1,311,661	1,365,252	4.1
May .....	339,704			1,651,365		
June .....	341,624			1,992,989		
July .....	340,236			2,333,225		
August .....	318,114			2,651,339		
September .....	305,153			2,956,492		
October .....	340,233			3,296,725		
November .....	323,788			3,620,513		
December .....	343,228			3,963,741		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January .....	485,660	499,904	2.9	485,660	499,904	2.9
February .....	457,311	458,867	0.3	942,971	958,771	1.7
March .....	519,279	512,918	-1.2	1,462,250	1,471,689	0.6
April .....	491,105	478,306	-2.6	1,953,355	1,949,995	-0.2
May .....	496,930			2,450,285		
June .....	485,592			2,935,877		
July .....	488,763			3,424,640		
August .....	486,732			3,911,372		
September .....	496,490			4,407,862		
October .....	499,233			4,907,095		
November .....	488,746			5,395,841		
December .....	508,061			5,903,902		
Mozzarella						
January .....	376,548	393,111	4.4	376,548	393,111	4.4
February .....	356,604	361,531	1.4	733,152	754,642	2.9
March .....	408,184	401,721	-1.6	1,141,336	1,156,363	1.3
April .....	386,577	381,693	-1.3	1,527,913	1,538,056	0.7
May .....	377,519			1,905,432		
June .....	386,708			2,292,140		
July .....	392,366			2,684,506		
August .....	383,858			3,068,364		
September .....	385,587			3,453,951		
October .....	390,597			3,844,548		
November .....	384,171			4,228,719		
December .....	399,393			4,628,112		
Other Italian cheese types						
January .....	7,990	7,155	-10.5	7,990	7,155	-10.5
February .....	7,233	6,580	-9.0	15,223	13,735	-9.8
March .....	8,836	7,398	-16.3	24,059	21,133	-12.2
April .....	8,067	9,591	18.9	32,126	30,724	-4.4
May .....	8,069			40,195		
June .....	8,091			48,286		
July .....	7,420			55,706		
August .....	7,150			62,856		
September .....	8,237			71,093		
October .....	7,931			79,024		
November .....	7,837			86,861		
December .....	8,583			95,444		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January .....	196,236	201,347	2.6	196,236	201,347	2.6
February .....	183,333	187,200	2.1	379,569	388,547	2.4
March .....	202,211	204,964	1.4	581,780	593,511	2.0
April .....	181,303	194,992	7.6	763,083	788,503	3.3
May .....	179,812			942,895		
June .....	158,979			1,101,874		
July .....	151,755			1,253,629		
August .....	142,959			1,396,588		
September .....	140,552			1,537,140		
October .....	162,114			1,699,254		
November .....	171,461			1,870,715		
December .....	188,022			2,058,737		
Nonfat dry milk, human						
January .....	170,437	174,953	2.6	170,437	174,953	2.6
February .....	168,997	182,528	8.0	339,434	357,481	5.3
March .....	191,815	199,448	4.0	531,249	556,929	4.8
April .....	195,821	199,624	1.9	727,070	756,553	4.1
May .....	192,677			919,747		
June .....	168,971			1,088,718		
July .....	165,726			1,254,444		
August .....	133,625			1,388,069		
September .....	122,804			1,510,873		
October .....	129,037			1,639,910		
November .....	160,743			1,800,653		
December .....	167,711			1,968,364		
Skim milk powder, total <sup>3</sup>						
January .....	51,932	44,580	-14.2	51,932	44,580	-14.2
February .....	40,138	37,199	-7.3	92,070	81,779	-11.2
March .....	42,902	35,252	-17.8	134,972	117,031	-13.3
April .....	44,613	34,525	-22.6	179,585	151,556	-15.6
May .....	50,753			230,338		
June .....	54,406			284,744		
July .....	61,008			345,752		
August .....	65,551			411,303		
September .....	68,422			479,725		
October .....	65,285			545,010		
November .....	49,110			594,120		
December .....	63,766			657,886		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total <sup>4</sup>						
January .....	72,766	76,713	5.4	72,766	76,713	5.4
February .....	68,293	66,824	-2.2	141,059	143,537	1.8
March .....	77,764	77,542	-0.3	218,823	221,079	1.0
April .....	79,446	80,794	1.7	298,269	301,873	1.2
May .....	79,205			377,474		
June .....	80,062			457,536		
July .....	84,287			541,823		
August .....	75,314			617,137		
September .....	75,792			692,929		
October .....	75,348			768,277		
November .....	72,041			840,318		
December .....	74,930			915,248		
Lactose, human and animal						
January .....	94,587	88,959	-6.0	94,587	88,959	-6.0
February .....	84,943	82,682	-2.7	179,530	171,641	-4.4
March .....	93,521	98,547	5.4	273,051	270,188	-1.0
April .....	96,162	91,425	-4.9	369,213	361,613	-2.1
May .....	94,985			464,198		
June .....	98,429			562,627		
July .....	95,345			657,972		
August .....	93,173			751,145		
September .....	91,193			842,338		
October .....	91,462			933,800		
November .....	88,620			1,022,420		
December .....	89,419			1,111,839		
Whey protein concentrate, total						
January .....	38,640	41,517	7.4	38,640	41,517	7.4
February .....	35,081	37,173	6.0	73,721	78,690	6.7
March .....	36,764	42,501	15.6	110,485	121,191	9.7
April .....	36,914	39,570	7.2	147,399	160,761	9.1
May .....	36,329			183,728		
June .....	36,215			219,943		
July .....	36,463			256,406		
August .....	35,120			291,526		
September .....	38,654			330,180		
October .....	39,326			369,506		
November .....	39,907			409,413		
December .....	41,708			451,121		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January .....	27,872	28,894	3.7	27,872	28,894	3.7
February .....	28,301	29,357	3.7	56,173	58,251	3.7
March .....	29,527	33,090	12.1	85,700	91,341	6.6
April .....	26,629	28,367	6.5	112,329	119,708	6.6
May .....	27,362			139,691		
June .....	29,366			169,057		
July .....	28,727			197,784		
August .....	31,436			229,220		
September .....	29,634			258,854		
October .....	27,832			286,686		
November .....	28,478			315,164		
December .....	29,136			344,300		
Cottage cheese, lowfat						
January .....	24,194	26,110	7.9	24,194	26,110	7.9
February .....	24,674	24,320	-1.4	48,868	50,430	3.2
March .....	26,571	25,899	-2.5	75,439	76,329	1.2
April .....	24,821	24,606	-0.9	100,260	100,935	0.7
May .....	23,930			124,190		
June .....	24,359			148,549		
July .....	24,826			173,375		
August .....	27,427			200,802		
September .....	25,420			226,222		
October .....	23,911			250,133		
November .....	22,035			272,168		
December .....	21,858			294,026		
Sour cream						
January .....	124,280	126,074	1.4	124,280	126,074	1.4
February .....	116,771	113,600	-2.7	241,051	239,674	-0.6
March .....	126,440	125,905	-0.4	367,491	365,579	-0.5
April .....	116,700	117,562	0.7	484,191	483,141	-0.2
May .....	125,804			609,995		
June .....	123,165			733,160		
July .....	115,623			848,783		
August .....	127,030			975,813		
September .....	121,170			1,096,983		
October .....	131,035			1,228,018		
November .....	133,978			1,361,996		
December .....	133,622			1,495,618		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January .....	54,581	52,963	-3.0	54,581	52,963	-3.0
February .....	54,354	58,382	7.4	108,935	111,345	2.2
March .....	66,216	66,245	(Z)	175,151	177,590	1.4
April .....	65,427	61,411	-6.1	240,578	239,001	-0.7
May .....	62,248			302,826		
June .....	66,973			369,799		
July .....	61,063			430,862		
August .....	65,493			496,355		
September .....	63,076			559,431		
October .....	59,468			618,899		
November .....	54,126			673,025		
December .....	53,665			726,690		
Ice cream, lowfat total						
January .....	31,874	29,018	-9.0	31,874	29,018	-9.0
February .....	34,297	31,897	-7.0	66,171	60,915	-7.9
March .....	42,726	39,634	-7.2	108,897	100,549	-7.7
April .....	40,423	37,108	-8.2	149,320	137,657	-7.8
May .....	41,179			190,499		
June .....	43,257			233,756		
July .....	40,620			274,376		
August .....	42,693			317,069		
September .....	37,344			354,413		
October .....	35,656			390,069		
November .....	29,075			419,144		
December .....	27,182			446,326		
Sherbet, hard						
January .....	1,833	1,971	7.5	1,833	1,971	7.5
February .....	2,003	2,308	15.2	3,836	4,279	11.5
March .....	2,614	1,969	-24.7	6,450	6,248	-3.1
April .....	1,991	2,132	7.1	8,441	8,380	-0.7
May .....	2,040			10,481		
June .....	2,065			12,546		
July .....	2,224			14,770		
August .....	2,003			16,773		
September .....	1,981			18,754		
October .....	2,161			20,915		
November .....	1,671			22,586		
December .....	1,678			24,264		

See footnote(s) at end of table.

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# Dairy Products Production by Product and Month – United States: 2022 and 2023 (continued)

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

Product and month	Monthly			Cumulative		
	2022	2023	Change from 2022	2022	2023	Change from 2022
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January .....	372,907	391,637	5.0	372,907	391,637	5.0
February .....	376,866	400,599	6.3	749,773	792,236	5.7
March .....	429,558	440,775	2.6	1,179,331	1,233,011	4.6
April .....	373,945	385,604	3.1	1,553,276	1,618,615	4.2
May .....	399,140			1,952,416		
June .....	391,060			2,343,476		
July .....	379,818			2,723,294		
August .....	402,223			3,125,517		
September .....	398,067			3,523,584		
October .....	391,563			3,915,147		
November .....	337,045			4,252,192		
December .....	371,368			4,623,560		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January .....	2,765	3,467	25.4	2,765	3,467	25.4
February .....	3,711	4,340	16.9	6,476	7,807	20.6
March .....	4,066	3,296	-18.9	10,542	11,103	5.3
April .....	3,509	3,600	2.6	14,051	14,703	4.6
May .....	4,764			18,815		
June .....	4,572			23,387		
July .....	5,005			28,392		
August .....	3,940			32,332		
September .....	3,115			35,447		
October .....	3,826			39,273		
November .....	2,664			41,937		
December .....	3,675			45,612		

(Z) Less than half of the unit shown.

<sup>1</sup> Excludes Cottage Cheese.

<sup>2</sup> Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

<sup>3</sup> Includes protein standardized and blends.

<sup>4</sup> Excludes all modified dry whey products.

**Total Cheese Production Excluding Cottage Cheese – States, United States, and Regions:  
April 2022 and 2023**

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	205,382	219,163	208,807	1.7	-4.7
Idaho .....	86,418	91,789	86,452	(Z)	-5.8
Illinois .....	5,913	5,165	5,068	-14.3	-1.9
Iowa .....	31,635	34,124	31,512	-0.4	-7.7
Minnesota .....	68,704	71,875	69,728	1.5	-3.0
New Jersey .....	4,407	5,723	4,889	10.9	-14.6
New Mexico .....	78,891	83,065	79,038	0.2	-4.8
New York .....	67,255	75,343	66,256	-1.5	-12.1
Ohio .....	22,686	22,037	20,510	-9.6	-6.9
Pennsylvania .....	38,448	42,074	39,420	2.5	-6.3
South Dakota .....	45,528	45,897	43,253	-5.0	-5.8
Vermont .....	12,681	11,015	11,279	-11.1	2.4
Wisconsin .....	295,534	302,954	289,699	-2.0	-4.4
Other States <sup>1</sup> .....	209,955	221,694	215,206	2.5	-2.9
United States .....	1,173,437	1,231,918	1,171,117	-0.2	-4.9
Atlantic .....	134,788	146,216	133,561	-0.9	-8.7
Central .....	575,968	599,414	569,234	-1.2	-5.0
West .....	462,681	486,288	468,322	1.2	-3.7

(Z) Less than half of the unit shown.

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

## American Cheese Production – States, United States, and Regions: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	47,126	48,933	46,939	-0.4	-4.1
Iowa .....	17,026	18,106	18,232	7.1	0.7
Minnesota .....	57,169	60,357	59,551	4.2	-1.3
New York .....	11,634	12,555	12,304	5.8	-2.0
Wisconsin .....	90,577	95,954	93,000	2.7	-3.1
Other States <sup>1</sup> .....	253,601	262,984	258,169	1.8	-1.8
United States .....	477,133	498,889	488,195	2.3	-2.1
Atlantic .....	28,871	27,862	28,441	-1.5	2.1
Central .....	258,298	276,018	266,563	3.2	-3.4
West .....	189,964	195,009	193,191	1.7	-0.9

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

## Cheddar Cheese Production – States, United States, and Regions: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	21,342	21,624	21,583	1.1	-0.2
Vermont .....	8,993	7,960	8,137	-9.5	2.2
Wisconsin .....	60,828	63,394	61,500	1.1	-3.0
Other States <sup>1</sup> .....	236,010	255,077	254,997	8.0	(Z)
United States .....	327,173	348,055	346,217	5.8	-0.5
Atlantic .....	26,389	26,439	26,305	-0.3	-0.5
Central .....	177,514	190,644	188,422	6.1	-1.2
West .....	123,270	130,972	131,490	6.7	0.4

(Z) Less than half of the unit shown.

<sup>1</sup> 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: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	133,669	143,200	138,713	3.8	-3.1
Minnesota .....	11,210	11,202	10,017	-10.6	-10.6
New Jersey .....	2,231	2,903	2,304	3.3	-20.6
New York .....	28,380	31,204	26,797	-5.6	-14.1
Pennsylvania .....	23,007	24,272	24,267	5.5	(Z)
Wisconsin .....	140,842	138,647	133,736	-5.0	-3.5
Other States <sup>1</sup> .....	151,766	161,490	142,472	-6.1	-11.8
United States .....	491,105	512,918	478,306	-2.6	-6.7
Atlantic .....	57,472	63,253	57,164	-0.5	-9.6
Central .....	208,042	210,467	196,495	-5.6	-6.6
West .....	225,591	239,198	224,647	-0.4	-6.1

(Z) Less than half of the unit shown.

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

### Mozzarella Cheese Production – States, United States, and Regions: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	124,422	132,775	128,940	3.6	-2.9
New Jersey .....	1,197	1,429	1,217	1.7	-14.8
New York .....	14,427	14,432	12,997	-9.9	-9.9
Pennsylvania .....	18,849	19,885	20,094	6.6	1.1
Wisconsin .....	90,544	87,102	86,100	-4.9	-1.2
Other States <sup>1</sup> .....	137,138	146,098	132,345	-3.5	-9.4
United States .....	386,577	401,721	381,693	-1.3	-5.0
Atlantic .....	36,827	38,484	36,639	-0.5	-4.8
Central .....	135,203	136,216	131,556	-2.7	-3.4
West .....	214,547	227,021	213,498	-0.5	-6.0

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

### Butter Production – States, United States, and Regions: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	60,539	65,498	63,363	4.7	-3.3
Pennsylvania .....	7,471	7,626	7,146	-4.4	-6.3
Other States <sup>1</sup> .....	113,293	131,840	124,483	9.9	-5.6
United States .....	181,303	204,964	194,992	7.6	-4.9
Atlantic .....	15,141	18,223	15,840	4.6	-13.1
Central .....	67,514	80,318	76,744	13.7	-4.4
West .....	98,648	106,423	102,408	3.8	-3.8

<sup>1</sup> 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: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	91,368	92,345	91,451	0.1	-1.0
Pennsylvania .....	15,902	14,993	16,687	4.9	11.3
Wisconsin .....	2,697	909	1,477	-45.2	62.5
Other States <sup>1</sup> .....	85,854	91,201	90,009	4.8	-1.3
United States .....	195,821	199,448	199,624	1.9	0.1
Atlantic .....	32,369	28,789	31,415	-2.9	9.1
Central .....	41,356	40,679	39,182	-5.3	-3.7
West .....	122,096	129,980	129,027	5.7	-0.7

<sup>1</sup> 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: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	11,704	11,108	10,818	-7.6	-2.6
Wisconsin .....	24,148	18,807	20,089	-16.8	6.8
Other States <sup>1</sup> .....	42,053	43,057	45,515	8.2	5.7
United States .....	77,905	72,972	76,422	-1.9	4.7
Atlantic .....	21,737	21,611	21,779	0.2	0.8
Central .....	35,329	34,131	38,577	9.2	13.0
West .....	20,839	17,230	16,066	-22.9	-6.8

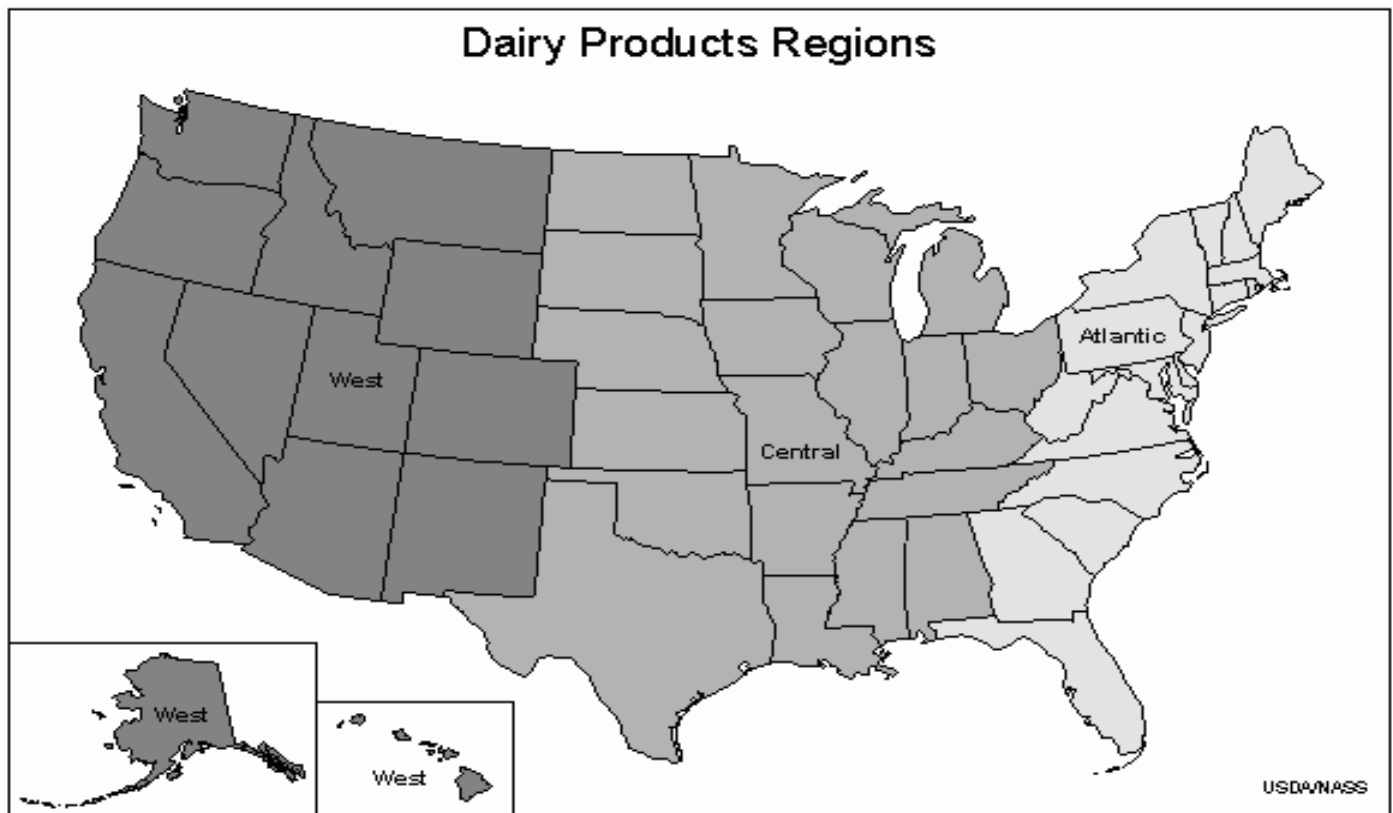
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

### Ice Cream, Regular (Hard) Production – States, United States, and Regions: April 2022 and 2023

State and region	April 2022	March 2023	April 2023	Change from	
				April 2022	March 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	7,543	6,727	5,962	-21.0	-11.4
Connecticut .....	1,590	1,361	1,472	-7.4	8.2
New York .....	2,530	2,345	2,531	(Z)	7.9
Ohio .....	1,941	2,418	2,179	12.3	-9.9
Oregon .....	1,038	1,083	947	-8.8	-12.6
Pennsylvania .....	3,191	1,661	2,485	-22.1	49.6
Tennessee .....	2,038	2,104	1,886	-7.5	-10.4
Utah .....	1,709	1,788	1,723	0.8	-3.6
Wisconsin .....	578	924	606	4.8	-34.4
Other States <sup>1</sup> .....	43,269	45,834	41,620	-3.8	-9.2
United States .....	65,427	66,245	61,411	-6.1	-7.3
Atlantic .....	16,352	12,919	14,108	-13.7	9.2
Central .....	36,914	41,787	36,054	-2.3	-13.7
West .....	12,161	11,539	11,249	-7.5	-2.5

(Z) Less than half of the unit shown.

<sup>1</sup> 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](mailto: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
Donnie Fike – Dairy Products .....	(202) 690-3347
Anthony Fischer – Hogs and Pigs.....	(202) 720-3106
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Suzanne Richards – Sheep and Goats .....	(202) 720-4448

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- 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](http://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](mailto: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](mailto:nass@usda.gov).

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