



# Dairy Products

ISSN: 1949-0399

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Released August 4, 2023, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## June 2023 Highlights

**Total cheese** output (excluding cottage cheese) was 1.17 billion pounds, 0.4 percent above June 2022 but 2.8 percent below May 2023.

**Italian type cheese** production totaled 479 million pounds, 1.3 percent below June 2022 and 0.6 percent below May 2023.

**American type cheese** production totaled 478 million pounds, 2.7 percent above June 2022 but 6.2 percent below May 2023.

**Butter** production was 163 million pounds, 2.3 percent above June 2022 but 16.4 percent below May 2023.

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

Nonfat dry milk, human - 183 million pounds, up 8.0 percent.

Skim milk powder - 37.4 million pounds, down 31.2 percent.

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

Dry whey, total - 83.5 million pounds, up 4.3 percent.

Lactose, human and animal - 97.8 million pounds, down 0.6 percent.

Whey protein concentrate, total - 40.1 million pounds, up 10.8 percent.

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

Ice cream, regular (hard) - 67.1 million gallons, up 0.3 percent.

Ice cream, lowfat (total) - 41.8 million gallons, down 3.4 percent.

Sherbet (hard) - 1.91 million gallons, down 7.4 percent.

Frozen yogurt (total) - 4.59 million gallons, up 0.3 percent.

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

Product	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	158,979	194,581	162,644	2.3	-16.4
Cheese					
American types <sup>1</sup> .....	466,040	510,181	478,402	2.7	-6.2
Cheddar .....	341,624	356,583	337,890	-1.1	-5.2
Other American types .....	124,416	153,598	140,512	12.9	-8.5
Blue and Gorgonzola .....	8,009	7,269	7,213	-9.9	-0.8
Brick and Muenster .....	17,123	15,393	15,603	-8.9	1.4
Cream and Neufchatel .....	96,800	95,103	95,810	-1.0	0.7
Feta .....	12,206	12,561	12,983	6.4	3.4
Gouda .....	5,910	4,323	5,482	-7.2	26.8
Hispanic .....	32,259	31,714	32,118	-0.4	1.3
Italian types .....	485,592	482,542	479,428	-1.3	-0.6
Mozzarella .....	386,708	379,497	380,497	-1.6	0.3
Parmesan .....	38,019	42,661	41,576	9.4	-2.5
Provolone .....	29,303	32,575	29,647	1.2	-9.0
Ricotta .....	18,701	16,616	16,932	-9.5	1.9
Romano .....	4,770	3,998	4,094	-14.2	2.4
Other Italian types .....	8,091	7,195	6,682	-17.4	-7.1
Swiss .....	28,961	31,283	29,089	0.4	-7.0
All other types .....	12,899	13,297	13,823	7.2	4.0
Total cheese <sup>2</sup> .....	1,165,799	1,203,666	1,169,951	0.4	-2.8
Cottage cheese, curd <sup>3</sup> .....	30,076	34,665	33,379	11.0	-3.7
Cottage cheese, cream <sup>4</sup> .....	29,366	33,021	31,265	6.5	-5.3
Cottage cheese, lowfat <sup>5</sup> .....	24,359	28,066	26,719	9.7	-4.8
Sour cream .....	123,165	127,349	125,934	2.2	-1.1
Yogurt, plain and flavored .....	391,060	404,050	395,486	1.1	-2.1
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard .....	66,973	63,592	67,142	0.3	5.6
Ice cream, lowfat, hard .....	19,907	19,909	20,509	3.0	3.0
Ice cream, lowfat, soft .....	23,350	20,846	21,259	-9.0	2.0
Ice cream, lowfat, total <sup>6</sup> .....	43,257	40,755	41,768	-3.4	2.5
Ice cream, nonfat, hard .....	735	730	612	-16.7	-16.2
Sherbet, hard .....	2,065	2,007	1,912	-7.4	-4.7
Frozen yogurt, total .....	4,572	4,374	4,585	0.3	4.8
Regular and lowfat, hard .....	1,059	1,074	968	-8.6	-9.9
Nonfat, hard .....	284	394	388	36.6	-1.5
Other frozen dairy products .....	1,253	1,156	1,244	-0.7	7.6
Water and juice ices .....	7,005	6,692	7,573	8.1	13.2
Mix for frozen products					
Ice cream, regular, mix .....	45,239	41,011	43,648	-3.5	6.4
Ice cream, lowfat, mix <sup>7</sup> .....	24,166	22,961	23,524	-2.7	2.5
Ice cream, nonfat, mix .....	578	473	406	-29.8	-14.2
Sherbet mix .....	1,674	1,539	1,765	5.4	14.7
Yogurt mix .....	2,044	2,077	2,244	9.8	8.0

<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:  
June 2022 and 2023**

Product	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	10,311	8,195	10,367	0.5	26.5
Dry whey products					
Dry whey, human .....	77,471	77,259	79,554	2.7	3.0
Dry whey, animal .....	2,591	4,518	3,955	52.6	-12.5
Dry whey, total .....	80,062	81,777	83,509	4.3	2.1
Reduced lactose and minerals					
Human .....	1,902	646	758	-60.1	17.3
Animal .....	3,128	3,198	3,034	-3.0	-5.1
Whey protein concentrate					
Human <sup>2</sup> .....	35,376	42,955	39,408	11.4	-8.3
Animal <sup>2</sup> .....	839	874	734	-12.5	-16.0
Total <sup>2</sup> .....	36,215	43,829	40,142	10.8	-8.4
25.0-49.9 percent <sup>3</sup> .....	12,092	15,895	13,585	12.3	-14.5
50.0-89.9 percent <sup>3</sup> .....	24,123	27,934	26,557	10.1	-4.9
Whey protein isolates <sup>4</sup> .....	12,088	9,551	8,570	-29.1	-10.3
Lactose, human and animal .....	98,429	94,083	97,838	-0.6	4.0
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	69,652	75,262	79,635	14.3	5.8
Dry whey, animal .....	1,932	2,865	2,467	27.7	-13.9
Dry whey, total .....	71,584	78,127	82,102	14.7	5.1
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	8,704	8,515	8,563	-1.6	0.6
Whey protein concentrate					
Human <sup>2</sup> .....	69,376	88,480	85,631	23.4	-3.2
Animal <sup>2</sup> .....	1,282	1,408	1,452	13.3	3.1
Total <sup>2</sup> .....	70,658	89,888	87,083	23.2	-3.1
25.0-49.9 percent <sup>3</sup> .....	21,598	38,019	37,989	75.9	-0.1
50.0-89.9 percent <sup>3</sup> .....	49,060	51,869	49,094	0.1	-5.4
Whey protein isolates <sup>4</sup> .....	17,972	24,601	24,097	34.1	-2.0
Lactose, human and animal .....	166,071	168,581	152,351	-8.3	-9.6
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	35.4	26.6	23.8	-11.6	-2.8

<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:  
June 2022 and 2023**

Product	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	118,062	128,913	132,035	11.8	2.4
Dry milk products					
Dry buttermilk, total .....	10,923	13,763	10,140	-7.2	-26.3
Dry skim milk, animal .....	763	795	836	9.6	5.2
Dry whole milk .....	11,667	9,446	10,410	-10.8	10.2
Milk protein concentrate, total <sup>1</sup> .....	19,026	23,456	22,464	18.1	-4.2
Nonfat dry milk, human .....	168,971	208,766	182,542	8.0	-12.6
Skim milk powder, total <sup>2</sup> .....	54,406	34,678	37,410	-31.2	7.9
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	26,256	40,169	38,975	48.4	-3.0
Dry skim milk, animal .....	7,709	6,246	6,782	-12.0	8.6
Dry whole milk .....	16,101	13,458	12,050	-25.2	-10.5
Nonfat dry milk, human .....	308,755	300,345	296,499	-4.0	-1.3
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	166,605	208,051	179,295	7.6	-13.8

<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	1,169,980	-0.3	4,674,636	4,707,497	0.7
May .....	1,204,698	1,203,666	-0.1	5,879,334	5,911,163	0.5
June .....	1,165,799	1,169,951	0.4	7,045,133	7,081,114	0.5
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	485,838	1.8	1,879,983	1,926,552	2.5
May .....	488,333	510,181	4.5	2,368,316	2,436,733	2.9
June .....	466,040	478,402	2.7	2,834,356	2,915,135	2.8
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	345,668	5.7	1,311,661	1,364,703	4.0
May .....	339,704	356,583	5.0	1,651,365	1,721,286	4.2
June .....	341,624	337,890	-1.1	1,992,989	2,059,176	3.3
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)
<b>Total Italian cheese types</b>						
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	479,150	-2.4	1,953,355	1,950,839	-0.1
May .....	496,930	482,542	-2.9	2,450,285	2,433,381	-0.7
June .....	485,592	479,428	-1.3	2,935,877	2,912,809	-0.8
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		
<b>Mozzarella</b>						
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	380,896	-1.5	1,527,913	1,537,259	0.6
May .....	377,519	379,497	0.5	1,905,432	1,916,756	0.6
June .....	386,708	380,497	-1.6	2,292,140	2,297,253	0.2
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		
<b>Other Italian cheese types</b>						
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	9,487	17.6	32,126	30,620	-4.7
May .....	8,069	7,195	-10.8	40,195	37,815	-5.9
June .....	8,091	6,682	-17.4	48,286	44,497	-7.8
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	196,909	8.6	763,083	790,420	3.6
May .....	179,812	194,581	8.2	942,895	985,001	4.5
June .....	158,979	162,644	2.3	1,101,874	1,147,645	4.2
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	198,595	1.4	727,070	755,524	3.9
May .....	192,677	208,766	8.4	919,747	964,290	4.8
June .....	168,971	182,542	8.0	1,088,718	1,146,832	5.3
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	34,783	-22.0	179,585	151,814	-15.5
May .....	50,753	34,678	-31.7	230,338	186,492	-19.0
June .....	54,406	37,410	-31.2	284,744	223,902	-21.4
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	79,592	0.2	298,269	300,671	0.8
May .....	79,205	81,777	3.2	377,474	382,448	1.3
June .....	80,062	83,509	4.3	457,536	465,957	1.8
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	91,420	-4.9	369,213	361,608	-2.1
May .....	94,985	94,083	-0.9	464,198	455,691	-1.8
June .....	98,429	97,838	-0.6	562,627	553,529	-1.6
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	41,663	12.9	147,399	162,854	10.5
May .....	36,329	43,829	20.6	183,728	206,683	12.5
June .....	36,215	40,142	10.8	219,943	246,825	12.2
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	28,368	6.5	112,329	119,709	6.6
May .....	27,362	33,021	20.7	139,691	152,730	9.3
June .....	29,366	31,265	6.5	169,057	183,995	8.8
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	24,605	-0.9	100,260	100,934	0.7
May .....	23,930	28,066	17.3	124,190	129,000	3.9
June .....	24,359	26,719	9.7	148,549	155,719	4.8
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	117,517	0.7	484,191	483,096	-0.2
May .....	125,804	127,349	1.2	609,995	610,445	0.1
June .....	123,165	125,934	2.2	733,160	736,379	0.4
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	61,008	-6.8	240,578	238,598	-0.8
May .....	62,248	63,592	2.2	302,826	302,190	-0.2
June .....	66,973	67,142	0.3	369,799	369,332	-0.1
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	37,670	-6.8	149,320	138,219	-7.4
May .....	41,179	40,755	-1.0	190,499	178,974	-6.0
June .....	43,257	41,768	-3.4	233,756	220,742	-5.6
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	2,047	2.8	8,441	8,295	-1.7
May .....	2,040	2,007	-1.6	10,481	10,302	-1.7
June .....	2,065	1,912	-7.4	12,546	12,214	-2.6
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	382,713	2.3	1,553,276	1,615,724	4.0
May .....	399,140	404,050	1.2	1,952,416	2,019,774	3.4
June .....	391,060	395,486	1.1	2,343,476	2,415,260	3.1
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	3,496	-0.4	14,051	14,599	3.9
May .....	4,764	4,374	-8.2	18,815	18,973	0.8
June .....	4,572	4,585	0.3	23,387	23,558	0.7
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:  
June 2022 and 2023**

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	204,646	216,938	205,635	0.5	-5.2
Idaho .....	84,149	75,006	87,160	3.6	16.2
Illinois .....	5,900	5,955	5,436	-7.9	-8.7
Iowa .....	32,197	35,137	32,981	2.4	-6.1
Minnesota .....	66,771	71,135	67,675	1.4	-4.9
New Jersey .....	4,722	4,286	4,784	1.3	11.6
New Mexico .....	79,427	92,418	83,059	4.6	-10.1
New York .....	67,288	62,842	68,725	2.1	9.4
Ohio .....	19,831	22,088	20,471	3.2	-7.3
Pennsylvania .....	38,778	40,696	40,609	4.7	-0.2
South Dakota .....	42,916	44,488	40,806	-4.9	-8.3
Vermont .....	12,168	12,716	11,713	-3.7	-7.9
Wisconsin .....	297,244	302,546	295,307	-0.7	-2.4
Other States <sup>1</sup> .....	209,762	217,415	205,590	-2.0	-5.4
United States .....	1,165,799	1,203,666	1,169,951	0.4	-2.8
Atlantic .....	134,064	132,714	136,953	2.2	3.2
Central .....	569,979	596,092	571,368	0.2	-4.1
West .....	461,756	474,860	461,630	(Z)	-2.8

(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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	47,205	46,927	44,175	-6.4	-5.9
Iowa .....	17,656	18,398	16,693	-5.5	-9.3
Minnesota .....	55,929	59,086	57,007	1.9	-3.5
New York .....	11,939	12,359	12,048	0.9	-2.5
Wisconsin .....	87,342	95,135	90,500	3.6	-4.9
Other States <sup>1</sup> .....	245,969	278,276	257,979	4.9	-7.3
United States .....	466,040	510,181	478,402	2.7	-6.2
Atlantic .....	27,977	29,688	28,053	0.3	-5.5
Central .....	252,716	275,351	258,381	2.2	-6.2
West .....	185,347	205,142	191,968	3.6	-6.4

<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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	26,572	22,213	19,178	-27.8	-13.7
Vermont .....	8,496	8,709	8,061	-5.1	-7.4
Wisconsin .....	59,553	61,821	59,200	-0.6	-4.2
Other States <sup>1</sup> .....	247,003	263,840	251,451	1.8	-4.7
United States .....	341,624	356,583	337,890	-1.1	-5.2
Atlantic .....	26,147	27,539	25,908	-0.9	-5.9
Central .....	181,083	188,914	177,544	-2.0	-6.0
West .....	134,394	140,130	134,438	(Z)	-4.1

(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.

### Total Italian Cheese Production – States, United States, and Regions: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	133,080	145,983	135,331	1.7	-7.3
Minnesota .....	10,532	11,706	10,436	-0.9	-10.8
New Jersey .....	2,171	1,947	2,233	2.9	14.7
New York .....	26,413	27,062	28,099	6.4	3.8
Pennsylvania .....	22,588	23,756	23,659	4.7	-0.4
Wisconsin .....	141,772	139,818	137,678	-2.9	-1.5
Other States <sup>1</sup> .....	149,036	132,270	141,992	-4.7	7.4
United States .....	485,592	482,542	479,428	-1.3	-0.6
Atlantic .....	54,769	56,853	57,631	5.2	1.4
Central .....	203,577	205,261	199,642	-1.9	-2.7
West .....	227,246	220,428	222,155	-2.2	0.8

<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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	124,484	134,474	125,236	0.6	-6.9
New Jersey .....	1,292	1,099	1,319	2.1	20.0
New York .....	13,316	13,476	14,777	11.0	9.7
Pennsylvania .....	18,757	19,615	19,340	3.1	-1.4
Wisconsin .....	90,836	90,630	89,800	-1.1	-0.9
Other States <sup>1</sup> .....	138,023	120,203	130,025	-5.8	8.2
United States .....	386,708	379,497	380,497	-1.6	0.3
Atlantic .....	35,848	36,991	37,930	5.8	2.5
Central .....	133,794	135,076	131,858	-1.4	-2.4
West .....	217,066	207,430	210,709	-2.9	1.6

<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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	54,709	63,713	54,038	-1.2	-15.2
Pennsylvania .....	7,186	8,252	6,806	-5.3	-17.5
Other States <sup>1</sup> .....	97,084	122,616	101,800	4.9	-17.0
United States .....	158,979	194,581	162,644	2.3	-16.4
Atlantic .....	13,144	16,726	12,461	-5.2	-25.5
Central .....	56,315	74,887	59,784	6.2	-20.2
West .....	89,520	102,968	90,399	1.0	-12.2

<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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	67,847	95,420	79,550	17.2	-16.6
Pennsylvania .....	15,300	18,139	15,556	1.7	-14.2
Wisconsin .....	1,172	1,300	1,031	-12.0	-20.7
Other States <sup>1</sup> .....	84,652	93,907	86,405	2.1	-8.0
United States .....	168,971	208,766	182,542	8.0	-12.6
Atlantic .....	31,593	35,638	31,912	1.0	-10.5
Central .....	38,374	39,789	35,423	-7.7	-11.0
West .....	99,004	133,339	115,207	16.4	-13.6

<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: June 2022 and 2023

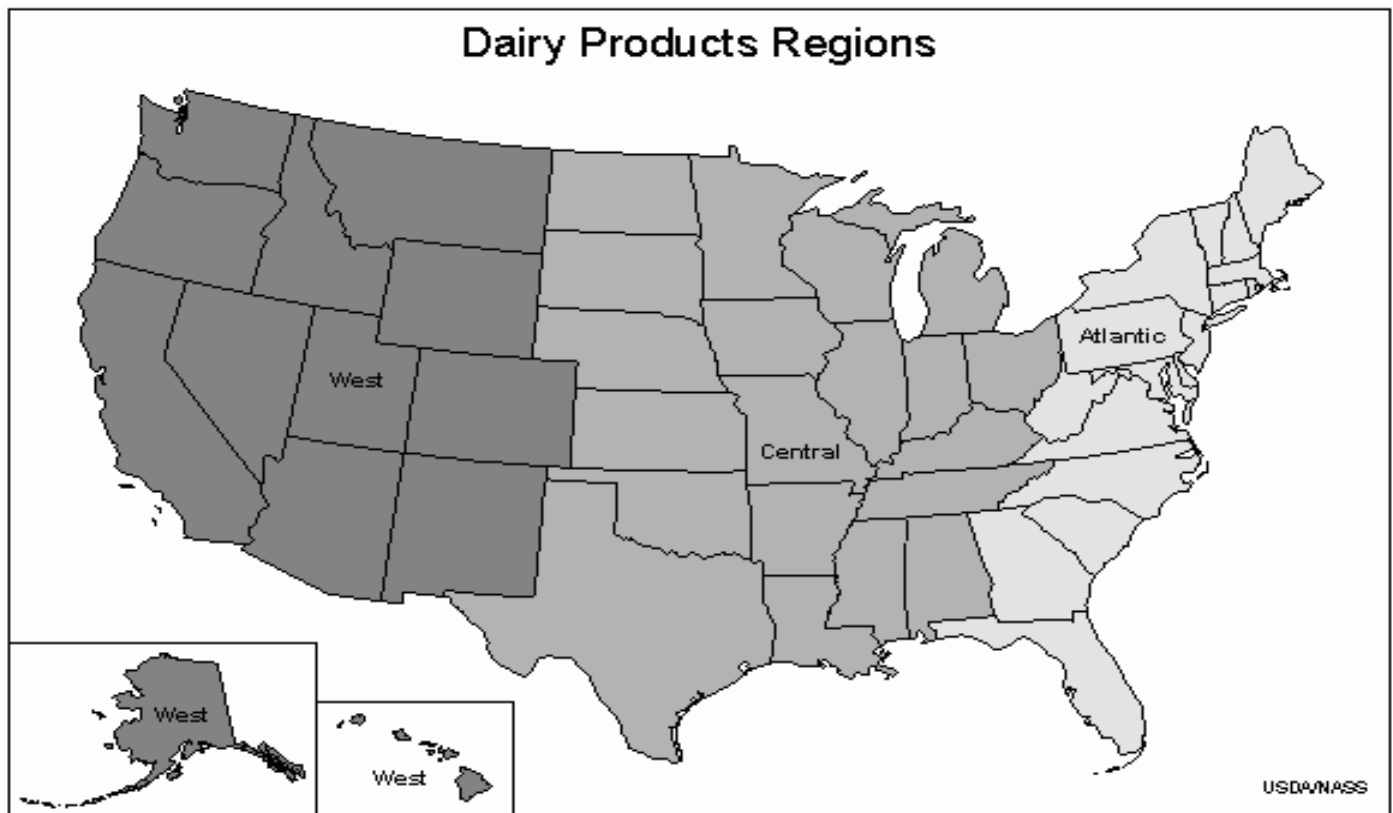
State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	12,037	11,555	11,965	-0.6	3.5
Wisconsin .....	24,237	19,468	21,307	-12.1	9.4
Other States <sup>1</sup> .....	41,197	46,236	46,282	12.3	0.1
United States .....	77,471	77,259	79,554	2.7	3.0
Atlantic .....	22,094	22,014	22,454	1.6	2.0
Central .....	35,001	38,570	40,517	15.8	5.0
West .....	20,376	16,675	16,583	-18.6	-0.6

<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: June 2022 and 2023

State and region	June 2022	May 2023	June 2023	Change from	
				June 2022	May 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	7,739	7,569	7,715	-0.3	1.9
Connecticut .....	1,418	1,476	1,562	10.2	5.8
New York .....	2,455	2,490	2,430	-1.0	-2.4
Ohio .....	2,475	2,254	2,300	-7.1	2.0
Oregon .....	1,016	980	1,011	-0.5	3.2
Pennsylvania .....	3,368	2,748	3,276	-2.7	19.2
Tennessee .....	1,844	1,919	1,932	4.8	0.7
Utah .....	1,641	1,683	1,643	0.1	-2.4
Wisconsin .....	874	804	873	-0.1	8.6
Other States <sup>1</sup> .....	44,143	41,669	44,400	0.6	6.6
United States .....	66,973	63,592	67,142	0.3	5.6
Atlantic .....	14,056	13,964	14,371	2.2	2.9
Central .....	40,528	37,313	39,601	-2.3	6.1
West .....	12,389	12,315	13,170	6.3	6.9

<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).

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Suzanne Richards – Sheep and Goats .....	(202) 720-4448

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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](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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