



Dairy Products

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July 2023 Highlights

Total cheese output (excluding cottage cheese) was 1.16 billion pounds, 0.7 percent below July 2022 and 0.7 percent below June 2023.

Italian type cheese production totaled 482 million pounds, 1.5 percent below July 2022 but 0.2 percent above June 2023.

American type cheese production totaled 475 million pounds, 0.2 percent above July 2022 and 0.3 percent above June 2023.

Butter production was 157 million pounds, 3.5 percent above July 2022 but 3.2 percent below June 2023.

Dry milk products (comparisons in percentage with July 2022)

Nonfat dry milk, human - 135 million pounds, down 18.6 percent.

Skim milk powder - 62.6 million pounds, up 2.6 percent.

Whey products (comparisons in percentage with July 2022)

Dry whey, total - 87.2 million pounds, up 3.4 percent.

Lactose, human and animal - 92.7 million pounds, down 2.8 percent.

Whey protein concentrate, total - 40.3 million pounds, up 10.6 percent.

Frozen products (comparisons in percentage with July 2022)

Ice cream, regular (hard) - 62.0 million gallons, up 1.5 percent.

Ice cream, lowfat (total) - 40.9 million gallons, up 0.6 percent.

Sherbet (hard) - 1.65 million gallons, down 26.0 percent.

Frozen yogurt (total) - 4.88 million gallons, down 2.5 percent.

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

Product	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	151,755	162,129	157,021	3.5	-3.2
Cheese					
American types ¹	473,984	473,627	475,168	0.2	0.3
Cheddar	340,236	338,004	331,507	-2.6	-1.9
Other American types	133,748	135,623	143,661	7.4	5.9
Blue and Gorgonzola	7,034	7,019	7,038	0.1	0.3
Brick and Muenster	16,162	15,984	17,577	8.8	10.0
Cream and Neufchatel	93,977	95,875	87,655	-6.7	-8.6
Feta	11,191	13,517	12,713	13.6	-5.9
Gouda	4,176	4,871	4,920	17.8	1.0
Hispanic	33,317	35,849	34,387	3.2	-4.1
Italian types	488,763	480,836	481,579	-1.5	0.2
Mozzarella	392,366	380,049	382,193	-2.6	0.6
Parmesan	37,707	42,548	40,959	8.6	-3.7
Provolone	29,326	30,388	30,515	4.1	0.4
Ricotta	17,474	17,033	17,650	1.0	3.6
Romano	4,470	4,023	3,856	-13.7	-4.2
Other Italian types	7,420	6,795	6,406	-13.7	-5.7
Swiss	28,618	29,009	28,495	-0.4	-1.8
All other types	12,916	13,730	12,749	-1.3	-7.1
Total cheese ²	1,170,138	1,170,317	1,162,281	-0.7	-0.7
Cottage cheese, curd ³	30,751	34,172	33,581	9.2	-1.7
Cottage cheese, cream ⁴	28,727	32,271	32,265	12.3	(Z)
Cottage cheese, lowfat ⁵	24,826	27,307	29,184	17.6	6.9
Sour cream	115,623	127,333	118,550	2.5	-6.9
Yogurt, plain and flavored	379,818	401,095	396,237	4.3	-1.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	61,063	67,211	61,977	1.5	-7.8
Ice cream, lowfat, hard	18,736	22,028	18,913	0.9	-14.1
Ice cream, lowfat, soft	21,884	19,889	21,957	0.3	10.4
Ice cream, lowfat, total ⁶	40,620	41,917	40,870	0.6	-2.5
Ice cream, nonfat, hard	566	617	648	14.5	5.0
Sherbet, hard	2,224	1,914	1,646	-26.0	-14.0
Frozen yogurt, total	5,005	4,577	4,880	-2.5	6.6
Regular and lowfat, hard	1,114	960	1,000	-10.2	4.2
Nonfat, hard	354	388	343	-3.1	-11.6
Other frozen dairy products	1,116	1,243	1,305	16.9	5.0
Water and juice ices	6,847	7,572	7,150	4.4	-5.6
Mix for frozen products					
Ice cream, regular, mix	42,150	44,490	42,096	-0.1	-5.4
Ice cream, lowfat, mix ⁷	22,840	23,503	23,102	1.1	-1.7
Ice cream, nonfat, mix	473	429	444	-6.1	3.5
Sherbet mix	1,705	1,765	1,459	-14.4	-17.3
Yogurt mix	1,952	2,411	2,050	5.0	-15.0

(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:
July 2022 and 2023**

Product	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,570	10,451	10,552	-0.2	1.0
Dry whey products					
Dry whey, human	79,265	80,601	81,280	2.5	0.8
Dry whey, animal	5,022	3,943	5,894	17.4	49.5
Dry whey, total	84,287	84,544	87,174	3.4	3.1
Reduced lactose and minerals					
Human	2,287	574	720	-68.5	25.4
Animal	3,017	3,077	3,040	0.8	-1.2
Whey protein concentrate					
Human ²	35,487	41,569	39,499	11.3	-5.0
Animal ²	976	832	835	-14.4	0.4
Total ²	36,463	42,401	40,334	10.6	-4.9
25.0-49.9 percent ³	11,911	13,189	13,506	13.4	2.4
50.0-89.9 percent ³	24,552	29,212	26,828	9.3	-8.2
Whey protein isolates ⁴	11,394	10,776	9,192	-19.3	-14.7
Lactose, human and animal	95,345	97,381	92,720	-2.8	-4.8
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	70,854	80,934	83,379	17.7	3.0
Dry whey, animal	1,202	2,722	3,544	194.8	30.2
Dry whey, total	72,056	83,656	86,923	20.6	3.9
Reduced Lactose and minerals					
Human and animal ⁶	8,658	8,766	8,460	-2.3	-3.5
Whey protein concentrate					
Human ²	74,964	82,219	80,882	7.9	-1.6
Animal ²	1,080	1,475	1,475	36.6	(Z)
Total ²	76,044	83,694	82,357	8.3	-1.6
25.0-49.9 percent ³	23,159	34,577	33,962	46.6	-1.8
50.0-89.9 percent ³	52,885	49,117	48,395	-8.5	-1.5
Whey protein isolates ⁴	19,425	23,635	22,175	14.2	-6.2
Lactose, human and animal	168,474	146,144	144,644	-14.1	-1.0
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	32.0	23.8	23.6	-8.5	-0.2

(Z) Less than half of the unit shown.

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

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

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

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

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

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
July 2022 and 2023**

Product	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	118,463	132,737	137,201	15.8	3.4
Dry milk products					
Dry buttermilk, total	10,843	10,140	11,347	4.6	11.9
Dry skim milk, animal	616	836	615	-0.2	-26.4
Dry whole milk	10,543	10,410	9,339	-11.4	-10.3
Milk protein concentrate, total ¹	15,446	18,251	16,333	5.7	-10.5
Nonfat dry milk, human	165,726	178,017	134,897	-18.6	-24.2
Skim milk powder, total ²	61,008	37,410	62,574	2.6	67.3
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	24,195	38,976	38,880	60.7	-0.2
Dry skim milk, animal	8,144	6,782	7,035	-13.6	3.7
Dry whole milk	16,343	12,050	8,795	-46.2	-27.0
Nonfat dry milk, human	333,129	298,734	283,280	-15.0	-5.2
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	151,166	171,385	141,786	-6.2	-17.3

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: 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 ¹						
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	1,170,317	0.4	7,045,133	7,081,480	0.5
July	1,170,138	1,162,281	-0.7	8,215,271	8,243,761	0.3
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 ²						
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	473,627	1.6	2,834,356	2,910,360	2.7
July	473,984	475,168	0.2	3,308,340	3,385,528	2.3
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	338,004	-1.1	1,992,989	2,059,290	3.3
July	340,236	331,507	-2.6	2,333,225	2,390,797	2.5
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	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	480,836	-1.0	2,935,877	2,914,217	-0.7
July	488,763	481,579	-1.5	3,424,640	3,395,796	-0.8
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	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	380,049	-1.7	2,292,140	2,296,805	0.2
July	392,366	382,193	-2.6	2,684,506	2,678,998	-0.2
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	9,487	17.6	32,126	30,620	-4.7
May	8,069	7,195	-10.8	40,195	37,815	-5.9
June	8,091	6,795	-16.0	48,286	44,610	-7.6
July	7,420	6,406	-13.7	55,706	51,016	-8.4
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	162,129	2.0	1,101,874	1,147,130	4.1
July	151,755	157,021	3.5	1,253,629	1,304,151	4.0
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	178,017	5.4	1,088,718	1,142,307	4.9
July	165,726	134,897	-18.6	1,254,444	1,277,204	1.8
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 ³						
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	62,574	2.6	345,752	286,476	-17.1
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 ⁴						
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	84,544	5.6	457,536	466,992	2.1
July	84,287	87,174	3.4	541,823	554,166	2.3
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	97,381	-1.1	562,627	553,072	-1.7
July	95,345	92,720	-2.8	657,972	645,792	-1.9
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	42,401	17.1	219,943	249,084	13.2
July	36,463	40,334	10.6	256,406	289,418	12.9
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	32,271	9.9	169,057	185,001	9.4
July	28,727	32,265	12.3	197,784	217,266	9.9
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	27,307	12.1	148,549	156,307	5.2
July	24,826	29,184	17.6	173,375	185,491	7.0
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	127,333	3.4	733,160	737,778	0.6
July	115,623	118,550	2.5	848,783	856,328	0.9
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	67,211	0.4	369,799	369,401	-0.1
July	61,063	61,977	1.5	430,862	431,378	0.1
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	41,917	-3.1	233,756	220,891	-5.5
July	40,620	40,870	0.6	274,376	261,761	-4.6
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	1,914	-7.3	12,546	12,216	-2.6
July	2,224	1,646	-26.0	14,770	13,862	-6.1
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	401,095	2.6	2,343,476	2,420,869	3.3
July	379,818	396,237	4.3	2,723,294	2,817,106	3.4
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	4,577	0.1	23,387	23,550	0.7
July	5,005	4,880	-2.5	28,392	28,430	0.1
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.

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:
July 2022 and 2023**

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	210,742	205,733	202,323	-4.0	-1.7
Idaho	85,926	87,160	86,812	1.0	-0.4
Illinois	5,688	5,477	5,422	-4.7	-1.0
Iowa	31,510	33,145	33,781	7.2	1.9
Minnesota	67,321	67,327	69,957	3.9	3.9
New Jersey	5,259	4,787	5,048	-4.0	5.5
New Mexico	79,163	79,639	82,762	4.5	3.9
New York	68,145	72,745	71,265	4.6	-2.0
Ohio	19,743	20,471	20,469	3.7	(Z)
Pennsylvania	37,541	40,608	37,542	(Z)	-7.6
South Dakota	43,834	38,921	42,952	-2.0	10.4
Vermont	12,185	11,705	11,903	-2.3	1.7
Wisconsin	284,877	297,246	291,736	2.4	-1.9
Other States ¹	218,204	205,353	200,309	-8.2	-2.5
United States	1,170,138	1,170,317	1,162,281	-0.7	-0.7
Atlantic	134,897	140,943	137,378	1.8	-2.5
Central	560,233	571,066	562,616	0.4	-1.5
West	475,008	458,308	462,287	-2.7	0.9

(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.

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

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	46,495	44,163	42,568	-8.4	-3.6
Iowa	17,392	16,817	17,440	0.3	3.7
Minnesota	57,599	56,659	59,449	3.2	4.9
New York	12,191	12,049	11,810	-3.1	-2.0
Wisconsin	87,282	90,750	91,300	4.6	0.6
Other States ¹	253,025	253,189	252,601	-0.2	-0.2
United States	473,984	473,627	475,168	0.2	0.3
Atlantic	28,672	28,017	27,993	-2.4	-0.1
Central	254,980	256,604	258,275	1.3	0.7
West	190,332	189,006	188,900	-0.8	-0.1

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: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	24,911	19,166	16,812	-32.5	-12.3
Vermont	8,588	8,053	8,009	-6.7	-0.5
Wisconsin	59,556	61,018	60,100	0.9	-1.5
Other States ¹	247,181	249,767	246,586	-0.2	-1.3
United States	340,236	338,004	331,507	-2.6	-1.9
Atlantic	26,386	25,879	25,839	-2.1	-0.2
Central	180,655	179,646	178,885	-1.0	-0.4
West	133,195	132,479	126,783	-4.8	-4.3

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: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	139,805	135,393	135,751	-2.9	0.3
Minnesota	9,505	10,436	10,269	8.0	-1.6
New Jersey	2,840	2,234	2,629	-7.4	17.7
New York	25,219	28,199	27,298	8.2	-3.2
Pennsylvania	23,124	23,658	22,116	-4.4	-6.5
Wisconsin	135,793	139,243	138,843	2.2	-0.3
Other States ¹	152,477	141,673	144,673	-5.1	2.1
United States	488,763	480,836	481,579	-1.5	0.2
Atlantic	55,126	57,731	56,037	1.7	-2.9
Central	198,972	200,904	203,407	2.2	1.2
West	234,665	222,201	222,135	-5.3	(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: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	128,679	124,509	124,826	-3.0	0.3
New Jersey	1,490	1,319	1,390	-6.7	5.4
New York	12,684	14,777	14,210	12.0	-3.8
Pennsylvania	19,068	19,340	18,264	-4.2	-5.6
Wisconsin	88,354	90,072	90,600	2.5	0.6
Other States ¹	142,091	130,032	132,903	-6.5	2.2
United States	392,366	380,049	382,193	-2.6	0.6
Atlantic	36,152	37,930	36,776	1.7	-3.0
Central	134,137	132,133	135,515	1.0	2.6
West	222,077	209,986	209,902	-5.5	(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.

Butter Production – States, United States, and Regions: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	54,321	54,038	51,041	-6.0	-5.5
Pennsylvania	7,477	6,806	6,654	-11.0	-2.2
Other States ¹	89,957	101,285	99,326	10.4	-1.9
United States	151,755	162,129	157,021	3.5	-3.2
Atlantic	11,708	12,462	10,220	-12.7	-18.0
Central	51,597	59,268	60,334	16.9	1.8
West	88,450	90,399	86,467	-2.2	-4.3

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: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	69,991	78,550	46,488	-33.6	-40.8
Pennsylvania	14,698	15,556	13,982	-4.9	-10.1
Wisconsin	2,058	1,031	1,057	-48.6	2.5
Other States ¹	78,979	82,880	73,370	-7.1	-11.5
United States	165,726	178,017	134,897	-18.6	-24.2
Atlantic	30,244	31,912	27,794	-8.1	-12.9
Central	35,891	35,145	31,627	-11.9	-10.0
West	99,591	110,960	75,476	-24.2	-32.0

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

Dry Whey (Human) Production – States, United States, and Regions: July 2022 and 2023

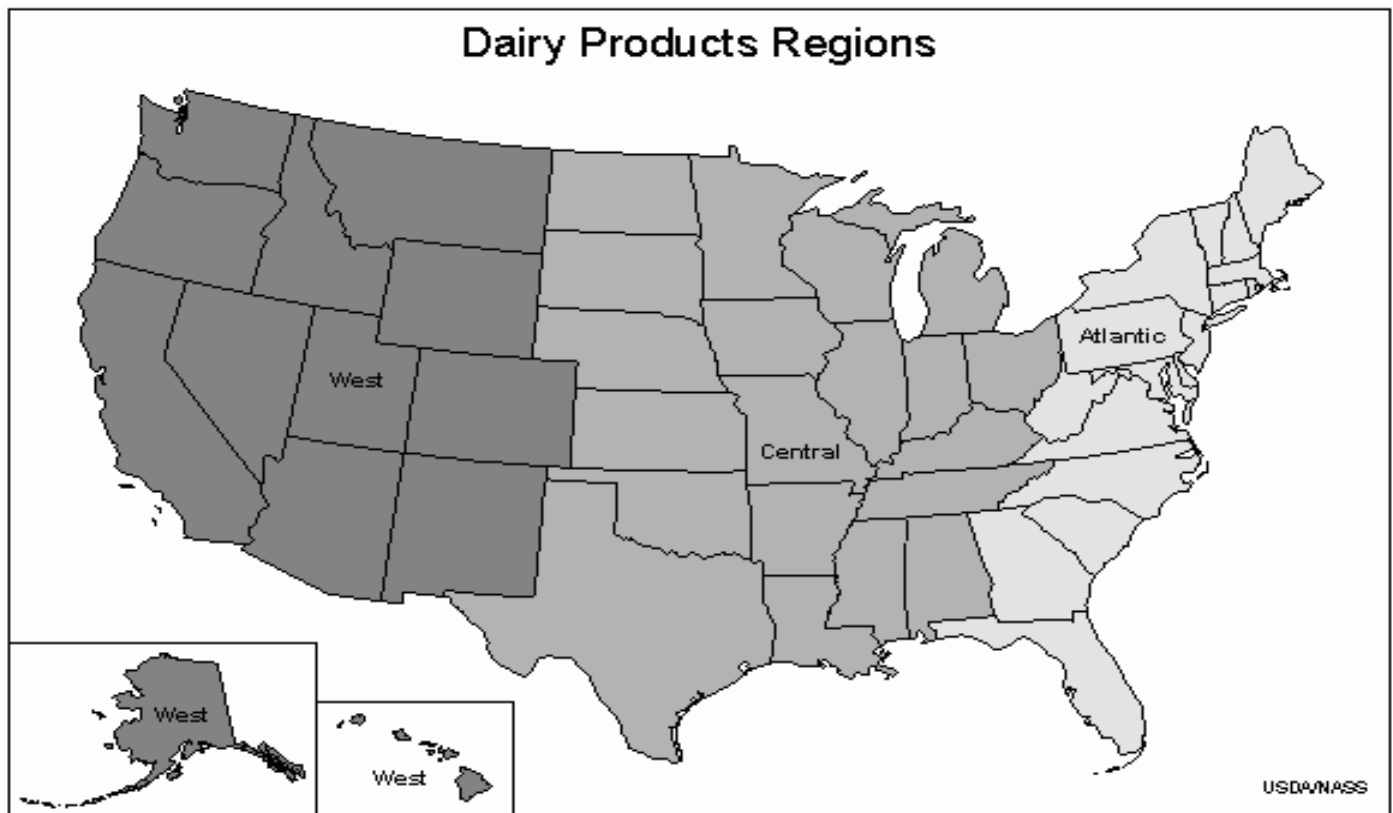
State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,854	11,965	10,646	-10.2	-11.0
Wisconsin	24,909	21,307	20,927	-16.0	-1.8
Other States ¹	42,502	47,329	49,707	17.0	5.0
United States	79,265	80,601	81,280	2.5	0.8
Atlantic	21,621	22,454	20,532	-5.0	-8.6
Central	36,171	40,517	40,702	12.5	0.5
West	21,473	17,630	20,046	-6.6	13.7

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: July 2022 and 2023

State and region	July 2022	June 2023	July 2023	Change from	
				July 2022	June 2023
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	7,140	7,715	7,119	-0.3	-7.7
Connecticut	1,313	1,564	1,479	12.6	-5.4
New York	2,561	2,430	2,646	3.3	8.9
Ohio	2,359	2,300	2,405	1.9	4.6
Oregon	951	1,011	960	0.9	-5.0
Pennsylvania	3,211	3,276	3,262	1.6	-0.4
Tennessee	1,837	1,932	1,792	-2.4	-7.2
Utah	1,385	1,643	1,481	6.9	-9.9
Wisconsin	887	961	872	-1.7	-9.3
Other States ¹	39,419	44,379	39,961	1.4	-10.0
United States	61,063	67,211	61,977	1.5	-7.8
Atlantic	15,009	14,350	14,767	-1.6	2.9
Central	34,842	39,691	35,325	1.4	-11.0
West	11,212	13,170	11,885	6.0	-9.8

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.

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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

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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