



Dairy Products

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October 2024 Highlights

Total cheese output (excluding cottage cheese) was 1.23 billion pounds, 1.0 percent above October 2023 and 5.6 percent above September 2024.

Italian type cheese production totaled 512 million pounds, 0.5 percent above October 2023 and 4.9 percent above September 2024.

American type cheese production totaled 486 million pounds, 0.2 percent below October 2023 but 6.6 percent above September 2024.

Butter production was 167 million pounds, 3.1 percent above October 2023 and 4.4 percent above September 2024.

Dry milk products (comparisons in percentage with October 2023)

Nonfat dry milk, human - 125 million pounds, down 2.7 percent.

Skim milk powder - 41.0 million pounds, down 24.1 percent.

Whey products (comparisons in percentage with October 2023)

Dry whey, total - 66.3 million pounds, down 11.9 percent.

Lactose, human and animal - 91.7 million pounds, up 1.8 percent.

Whey protein concentrate, total - 40.6 million pounds, up 2.3 percent.

Frozen products (comparisons in percentage with October 2023)

Ice cream, regular (hard) - 62.5 million gallons, up 11.8 percent.

Ice cream, lowfat (total) - 31.5 million gallons, down 15.4 percent.

Sherbet (hard) - 1.58 million gallons, down 3.6 percent.

Frozen yogurt (total) - 3.32 million gallons, down slightly.

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

Product	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	162,523	160,463	167,493	3.1	4.4
Cheese					
American types ¹	487,001	456,060	486,151	-0.2	6.6
Cheddar	342,782	312,830	332,265	-3.1	6.2
Other American types	144,219	143,230	153,886	6.7	7.4
Blue and Gorgonzola	7,395	6,829	7,771	5.1	13.8
Brick and Muenster	17,065	16,811	18,325	7.4	9.0
Cream and Neufchatel	100,717	100,672	105,416	4.7	4.7
Feta	11,632	12,959	13,585	16.8	4.8
Gouda	3,835	5,832	5,863	52.9	0.5
Hispanic	36,496	34,553	36,580	0.2	5.9
Italian types	509,162	487,702	511,635	0.5	4.9
Mozzarella	399,262	390,995	405,555	1.6	3.7
Parmesan	42,663	32,356	35,761	-16.2	10.5
Provolone	31,935	30,785	33,810	5.9	9.8
Ricotta	23,579	20,206	22,613	-4.1	11.9
Romano	4,269	5,752	5,372	25.8	-6.6
Other Italian types	7,454	7,608	8,524	14.4	12.0
Swiss	26,114	26,768	26,602	1.9	-0.6
All other types	14,847	12,778	14,147	-4.7	10.7
Total cheese ²	1,214,264	1,160,964	1,226,075	1.0	5.6
Cottage cheese, curd ³	33,409	39,620	40,704	21.8	2.7
Cottage cheese, cream ⁴	31,351	35,785	36,667	17.0	2.5
Cottage cheese, lowfat ⁵	29,760	31,305	33,558	12.8	7.2
Sour cream	139,112	120,222	139,498	0.3	16.0
Yogurt, plain and flavored	374,844	431,425	419,271	11.9	-2.8
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	55,913	59,063	62,527	11.8	5.9
Ice cream, lowfat, hard	20,143	15,922	18,619	-7.6	16.9
Ice cream, lowfat, soft	17,094	15,962	12,898	-24.5	-19.2
Ice cream, lowfat, total ⁶	37,237	31,884	31,517	-15.4	-1.2
Ice cream, nonfat, hard	724	394	522	-27.9	32.5
Sherbet, hard	1,644	1,677	1,584	-3.6	-5.5
Frozen yogurt, total	3,321	3,172	3,320	(Z)	4.7
Regular and lowfat, hard	1,072	1,059	1,326	23.7	25.2
Nonfat, hard	361	163	106	-70.6	-35.0
Other frozen dairy products	1,065	1,074	1,157	8.6	7.7
Water and juice ices	5,306	5,180	5,456	2.8	5.3
Mix for frozen products					
Ice cream, regular, mix	34,545	37,199	38,170	10.5	2.6
Ice cream, lowfat, mix ⁷	18,220	17,938	17,523	-3.8	-2.3
Ice cream, nonfat, mix	498	435	576	15.7	32.4
Sherbet mix	1,286	1,324	1,371	6.6	3.5
Yogurt mix	2,123	1,580	2,049	-3.5	29.7

(Z) Less than half of the unit shown.

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
October 2023 and 2024**

Product	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	8,103	5,983	6,552	-19.1	9.5
Dry whey products					
Dry whey, human	71,473	65,178	62,701	-12.3	-3.8
Dry whey, animal	3,803	2,836	3,581	-5.8	26.3
Dry whey, total	75,276	68,014	66,282	-11.9	-2.5
Reduced Lactose and minerals					
Human and animal	3,323	3,299	3,718	11.9	12.7
Whey protein concentrate					
Human ²	38,538	38,211	38,928	1.0	1.9
Animal ²	1,150	1,009	1,666	44.9	65.1
Total ²	39,688	39,220	40,594	2.3	3.5
25.0-49.9 percent ³	12,230	11,615	12,155	-0.6	4.6
50.0-89.9 percent ³	27,458	27,605	28,439	3.6	3.0
Whey protein isolates ⁴	14,092	17,107	15,922	13.0	-6.9
Lactose, human and animal	90,017	94,098	91,670	1.8	-2.6
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	71,246	53,204	47,690	-33.1	-10.4
Dry whey, animal	4,074	2,544	2,843	-30.2	11.8
Dry whey, total	75,320	55,748	50,533	-32.9	-9.4
Reduced Lactose and minerals					
Human and animal ⁶	7,162	7,899	8,050	12.4	1.9
Whey protein concentrate					
Human ²	61,136	49,450	50,281	-17.8	1.7
Animal ²	1,344	1,214	1,334	-0.7	9.9
Total ²	62,480	50,664	51,615	-17.4	1.9
25.0-49.9 percent ³	27,596	17,560	18,414	-33.3	4.9
50.0-89.9 percent ³	34,884	33,104	33,201	-4.8	0.3
Whey protein isolates ⁴	17,716	14,959	14,068	-20.6	-6.0
Lactose, human and animal	114,800	120,465	107,981	-5.9	-10.4
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	21.5	30.1	32.4	10.9	2.3

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

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

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

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

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

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
October 2023 and 2024**

Product	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	115,933	103,532	106,849	-7.8	3.2
Dry milk products					
Dry buttermilk, total	12,456	10,041	10,664	-14.4	6.2
Dry skim milk, animal	590	528	563	-4.6	6.6
Dry whole milk	9,461	7,811	9,919	4.8	27.0
Milk protein concentrate, total ¹	13,744	23,188	25,287	84.0	9.1
Nonfat dry milk, human	128,569	115,480	125,145	-2.7	8.4
Skim milk powder, total ²	54,046	53,377	41,017	-24.1	-23.2
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	25,659	32,867	28,473	11.0	-13.4
Dry skim milk, animal	11,654	11,562	10,637	-8.7	-8.0
Dry whole milk	8,137	11,707	12,306	51.2	5.1
Nonfat dry milk, human	218,117	250,330	234,205	7.4	-6.4
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	146,534	114,401	135,583	-7.5	18.5

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ For dry products, shipments of bulk goods.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,222,785	1,200,917	-1.8	1,222,785	1,200,917	-1.8
February	1,116,128	1,139,985	2.1	2,338,913	2,340,902	0.1
March	1,224,820	1,223,777	-0.1	3,563,733	3,564,679	(Z)
April	1,165,123	1,188,261	2.0	4,728,856	4,752,940	0.5
May	1,204,162	1,210,254	0.5	5,933,018	5,963,194	0.5
June	1,178,410	1,159,745	-1.6	7,111,428	7,122,939	0.2
July	1,168,945	1,191,591	1.9	8,280,373	8,314,530	0.4
August	1,177,853	1,196,864	1.6	9,458,226	9,511,394	0.6
September	1,159,521	1,160,964	0.1	10,617,747	10,672,358	0.5
October	1,214,264	1,226,075	1.0	11,832,011	11,898,433	0.6
November	1,171,266			13,003,277		
December	1,207,714			14,210,991		
Total American cheese types ²						
January	512,962	473,081	-7.8	512,962	473,081	-7.8
February	454,152	446,591	-1.7	967,114	919,672	-4.9
March	505,830	489,346	-3.3	1,472,944	1,409,018	-4.3
April	491,399	467,098	-4.9	1,964,343	1,876,116	-4.5
May	517,700	488,140	-5.7	2,482,043	2,364,256	-4.7
June	480,863	456,275	-5.1	2,962,906	2,820,531	-4.8
July	481,811	469,556	-2.5	3,444,717	3,290,087	-4.5
August	479,230	476,774	-0.5	3,923,947	3,766,861	-4.0
September	473,266	456,060	-3.6	4,397,213	4,222,921	-4.0
October	487,001	486,151	-0.2	4,884,214	4,709,072	-3.6
November	471,035			5,355,249		
December	489,254			5,844,503		
Cheddar cheese						
January	366,554	330,574	-9.8	366,554	330,574	-9.8
February	328,113	314,571	-4.1	694,667	645,145	-7.1
March	355,379	340,784	-4.1	1,050,046	985,929	-6.1
April	352,686	317,180	-10.1	1,402,732	1,303,109	-7.1
May	364,287	329,161	-9.6	1,767,019	1,632,270	-7.6
June	343,057	310,178	-9.6	2,110,076	1,942,448	-7.9
July	333,699	311,572	-6.6	2,443,775	2,254,020	-7.8
August	325,393	321,447	-1.2	2,769,168	2,575,467	-7.0
September	319,957	312,830	-2.2	3,089,125	2,888,297	-6.5
October	342,782	332,265	-3.1	3,431,907	3,220,562	-6.2
November	321,767			3,753,674		
December	337,743			4,091,417		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	501,658	510,548	1.8	501,658	510,548	1.8
February	460,736	476,892	3.5	962,394	987,440	2.6
March	496,213	518,595	4.5	1,458,607	1,506,035	3.3
April	474,325	505,053	6.5	1,932,932	2,011,088	4.0
May	484,024	505,383	4.4	2,416,956	2,516,471	4.1
June	486,238	485,397	-0.2	2,903,194	3,001,868	3.4
July	483,503	496,118	2.6	3,386,697	3,497,986	3.3
August	484,214	500,060	3.3	3,870,911	3,998,046	3.3
September	479,371	487,702	1.7	4,350,282	4,485,748	3.1
October	509,162	511,635	0.5	4,859,444	4,997,383	2.8
November	487,486			5,346,930		
December	507,540			5,854,470		
Mozzarella						
January	394,320	398,419	1.0	394,320	398,419	1.0
February	361,784	374,126	3.4	756,104	772,545	2.2
March	383,594	409,839	6.8	1,139,698	1,182,384	3.7
April	378,076	402,159	6.4	1,517,774	1,584,543	4.4
May	378,366	405,705	7.2	1,896,140	1,990,248	5.0
June	383,786	390,447	1.7	2,279,926	2,380,695	4.4
July	384,244	399,268	3.9	2,664,170	2,779,963	4.3
August	381,750	400,492	4.9	3,045,920	3,180,455	4.4
September	379,375	390,995	3.1	3,425,295	3,571,450	4.3
October	399,262	405,555	1.6	3,824,557	3,977,005	4.0
November	380,413			4,204,970		
December	401,292			4,606,262		
Other Italian cheese types						
January	7,359	8,380	13.9	7,359	8,380	13.9
February	6,736	7,680	14.0	14,095	16,060	13.9
March	7,638	8,374	9.6	21,733	24,434	12.4
April	7,094	7,950	12.1	28,827	32,384	12.3
May	7,359	7,277	-1.1	36,186	39,661	9.6
June	6,979	8,234	18.0	43,165	47,895	11.0
July	6,686	8,768	31.1	49,851	56,663	13.7
August	7,385	9,468	28.2	57,236	66,131	15.5
September	6,652	7,608	14.4	63,888	73,739	15.4
October	7,454	8,524	14.4	71,342	82,263	15.3
November	7,361			78,703		
December	7,110			85,813		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	203,586	217,247	6.7	203,586	217,247	6.7
February	187,456	197,645	5.4	391,042	414,892	6.1
March	205,762	210,526	2.3	596,804	625,418	4.8
April	197,344	207,630	5.2	794,148	833,048	4.9
May	196,410	204,444	4.1	990,558	1,037,492	4.7
June	164,478	167,992	2.1	1,155,036	1,205,484	4.4
July	158,220	163,973	3.6	1,313,256	1,369,457	4.3
August	138,915	159,922	15.1	1,452,171	1,529,379	5.3
September	143,134	160,463	12.1	1,595,305	1,689,842	5.9
October	162,523	167,493	3.1	1,757,828	1,857,335	5.7
November	163,544			1,921,372		
December	193,656			2,115,028		
Nonfat dry milk, human						
January	175,602	138,296	-21.2	175,602	138,296	-21.2
February	177,583	147,081	-17.2	353,185	285,377	-19.2
March	199,390	183,977	-7.7	552,575	469,354	-15.1
April	198,521	174,167	-12.3	751,096	643,521	-14.3
May	206,532	169,098	-18.1	957,628	812,619	-15.1
June	173,093	127,495	-26.3	1,130,721	940,114	-16.9
July	133,356	120,993	-9.3	1,264,077	1,061,107	-16.1
August	112,079	116,151	3.6	1,376,156	1,177,258	-14.5
September	99,972	115,480	15.5	1,476,128	1,292,738	-12.4
October	128,569	125,145	-2.7	1,604,697	1,417,883	-11.6
November	116,818			1,721,515		
December	146,889			1,868,404		
Skim milk powder, total ³						
January	56,002	56,918	1.6	56,002	56,918	1.6
February	47,623	36,240	-23.9	103,625	93,158	-10.1
March	48,544	28,313	-41.7	152,169	121,471	-20.2
April	45,797	35,840	-21.7	197,966	157,311	-20.5
May	46,555	41,852	-10.1	244,521	199,163	-18.5
June	49,722	60,457	21.6	294,243	259,620	-11.8
July	72,400	51,571	-28.8	366,643	311,191	-15.1
August	71,296	50,320	-29.4	437,939	361,511	-17.5
September	67,711	53,377	-21.2	505,650	414,888	-17.9
October	54,046	41,017	-24.1	559,696	455,905	-18.5
November	70,722			630,418		
December	64,201			694,619		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	76,713	77,724	1.3	76,713	77,724	1.3
February	66,699	72,131	8.1	143,412	149,855	4.5
March	77,296	79,925	3.4	220,708	229,780	4.1
April	79,595	81,240	2.1	300,303	311,020	3.6
May	81,782	76,630	-6.3	382,085	387,650	1.5
June	88,164	72,962	-17.2	470,249	460,612	-2.0
July	89,321	67,677	-24.2	559,570	528,289	-5.6
August	83,570	65,246	-21.9	643,140	593,535	-7.7
September	78,899	68,014	-13.8	722,039	661,549	-8.4
October	75,276	66,282	-11.9	797,315	727,831	-8.7
November	68,581			865,896		
December	72,550			938,446		
Lactose, human and animal						
January	90,193	89,452	-0.8	90,193	89,452	-0.8
February	83,542	87,602	4.9	173,735	177,054	1.9
March	98,668	99,109	0.4	272,403	276,163	1.4
April	92,838	91,706	-1.2	365,241	367,869	0.7
May	95,558	92,900	-2.8	460,799	460,769	(Z)
June	98,125	94,181	-4.0	558,924	554,950	-0.7
July	94,224	95,146	1.0	653,148	650,096	-0.5
August	92,371	94,954	2.8	745,519	745,050	-0.1
September	95,253	94,098	-1.2	840,772	839,148	-0.2
October	90,017	91,670	1.8	930,789	930,818	
November	84,059			1,014,848		
December	90,687			1,105,535		
Whey protein concentrate, total						
January	41,102	42,695	3.9	41,102	42,695	3.9
February	38,859	38,710	-0.4	79,961	81,405	1.8
March	43,152	44,170	2.4	123,113	125,575	2.0
April	41,819	39,233	-6.2	164,932	164,808	-0.1
May	43,893	42,415	-3.4	208,825	207,223	-0.8
June	43,643	40,541	-7.1	252,468	247,764	-1.9
July	42,769	38,519	-9.9	295,237	286,283	-3.0
August	40,792	41,444	1.6	336,029	327,727	-2.5
September	40,645	39,220	-3.5	376,674	366,947	-2.6
October	39,688	40,594	2.3	416,362	407,541	-2.1
November	41,293			457,655		
December	44,300			501,955		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	29,410	32,818	11.6	29,410	32,818	11.6
February	29,224	32,747	12.1	58,634	65,565	11.8
March	33,127	35,291	6.5	91,761	100,856	9.9
April	28,531	35,842	25.6	120,292	136,698	13.6
May	33,114	36,335	9.7	153,406	173,033	12.8
June	32,699	34,196	4.6	186,105	207,229	11.4
July	32,026	36,071	12.6	218,131	243,300	11.5
August	34,739	34,822	0.2	252,870	278,122	10.0
September	33,459	35,785	7.0	286,329	313,907	9.6
October	31,351	36,667	17.0	317,680	350,574	10.4
November	31,158			348,838		
December	29,001			377,839		
Cottage cheese, lowfat						
January	26,555	29,535	11.2	26,555	29,535	11.2
February	24,353	28,625	17.5	50,908	58,160	14.2
March	26,305	29,824	13.4	77,213	87,984	13.9
April	25,100	32,609	29.9	102,313	120,593	17.9
May	28,559	33,591	17.6	130,872	154,184	17.8
June	27,433	31,251	13.9	158,305	185,435	17.1
July	29,618	31,743	7.2	187,923	217,178	15.6
August	32,997	33,012	(Z)	220,920	250,190	13.2
September	32,472	31,305	-3.6	253,392	281,495	11.1
October	29,760	33,558	12.8	283,152	315,053	11.3
November	26,106			309,258		
December	26,154			335,412		
Sour cream						
January	127,476	128,934	1.1	127,476	128,934	1.1
February	114,036	119,290	4.6	241,512	248,224	2.8
March	127,913	123,459	-3.5	369,425	371,683	0.6
April	118,718	124,292	4.7	488,143	495,975	1.6
May	128,185	127,362	-0.6	616,328	623,337	1.1
June	129,278	123,012	-4.8	745,606	746,349	0.1
July	118,268	126,862	7.3	863,874	873,211	1.1
August	121,697	126,753	4.2	985,571	999,964	1.5
September	119,965	120,222	0.2	1,105,536	1,120,186	1.3
October	139,112	139,498	0.3	1,244,648	1,259,684	1.2
November	141,909			1,386,557		
December	132,557			1,519,114		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	51,980	49,619	-4.5	51,980	49,619	-4.5
February	56,997	57,300	0.5	108,977	106,919	-1.9
March	65,225	66,215	1.5	174,202	173,134	-0.6
April	60,272	64,744	7.4	234,474	237,878	1.5
May	63,493	66,193	4.3	297,967	304,071	2.0
June	66,668	66,551	-0.2	364,635	370,622	1.6
July	61,876	64,954	5.0	426,511	435,576	2.1
August	65,454	69,341	5.9	491,965	504,917	2.6
September	61,000	59,063	-3.2	552,965	563,980	2.0
October	55,913	62,527	11.8	608,878	626,507	2.9
November	48,489			657,367		
December	44,454			701,821		
Ice cream, lowfat total						
January	32,887	26,593	-19.1	32,887	26,593	-19.1
February	36,307	31,391	-13.5	69,194	57,984	-16.2
March	43,267	37,552	-13.2	112,461	95,536	-15.0
April	40,975	38,662	-5.6	153,436	134,198	-12.5
May	42,912	39,818	-7.2	196,348	174,016	-11.4
June	42,995	38,416	-10.7	239,343	212,432	-11.2
July	41,580	39,455	-5.1	280,923	251,887	-10.3
August	42,401	38,636	-8.9	323,324	290,523	-10.1
September	35,738	31,884	-10.8	359,062	322,407	-10.2
October	37,237	31,517	-15.4	396,299	353,924	-10.7
November	27,899			424,198		
December	26,658			450,856		
Sherbet, hard						
January	1,783	1,609	-9.8	1,783	1,609	-9.8
February	2,029	1,533	-24.4	3,812	3,142	-17.6
March	1,851	1,835	-0.9	5,663	4,977	-12.1
April	1,974	1,777	-10.0	7,637	6,754	-11.6
May	1,937	1,678	-13.4	9,574	8,432	-11.9
June	1,918	1,716	-10.5	11,492	10,148	-11.7
July	1,698	1,793	5.6	13,190	11,941	-9.5
August	2,069	2,153	4.1	15,259	14,094	-7.6
September	1,525	1,677	10.0	16,784	15,771	-6.0
October	1,644	1,584	-3.6	18,428	17,355	-5.8
November	1,371			19,799		
December	1,182			20,981		

See footnote(s) at end of table.

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

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

Product and month	Monthly			Cumulative		
	2023	2024	Change from 2023	2023	2024	Change from 2023
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	384,757	397,623	3.3	384,757	397,623	3.3
February	383,743	396,526	3.3	768,500	794,149	3.3
March	428,478	427,988	-0.1	1,196,978	1,222,137	2.1
April	371,914	413,821	11.3	1,568,892	1,635,958	4.3
May	382,291	401,316	5.0	1,951,183	2,037,274	4.4
June	384,105	392,756	2.3	2,335,288	2,430,030	4.1
July	385,092	401,462	4.3	2,720,380	2,831,492	4.1
August	392,827	423,662	7.8	3,113,207	3,255,154	4.6
September	402,621	431,425	7.2	3,515,828	3,686,579	4.9
October	374,844	419,271	11.9	3,890,672	4,105,850	5.5
November	339,246			4,229,918		
December	359,954			4,589,872		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,584	3,277	26.8	2,584	3,277	26.8
February	3,450	4,001	16.0	6,034	7,278	20.6
March	3,710	3,731	0.6	9,744	11,009	13.0
April	3,238	3,105	-4.1	12,982	14,114	8.7
May	4,316	4,315	(Z)	17,298	18,429	6.5
June	4,272	4,164	-2.5	21,570	22,593	4.7
July	4,292	4,293	(Z)	25,862	26,886	4.0
August	4,335	4,387	1.2	30,197	31,273	3.6
September	3,245	3,172	-2.2	33,442	34,445	3.0
October	3,321	3,320	(Z)	36,763	37,765	2.7
November	2,422			39,185		
December	3,191			42,376		

(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:
October 2023 and 2024**

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	205,671	200,459	204,459	-0.6	2.0
Idaho	89,282	89,653	94,346	5.7	5.2
Illinois	6,252	5,109	5,380	-13.9	5.3
Iowa	31,892	29,570	29,934	-6.1	1.2
Minnesota	66,409	66,532	69,694	4.9	4.8
New Jersey	6,859	5,519	8,758	27.7	58.7
New Mexico	85,214	74,990	75,986	-10.8	1.3
New York	77,189	68,828	74,828	-3.1	8.7
Ohio	20,564	22,029	21,581	4.9	-2.0
Pennsylvania	37,906	40,794	39,896	5.2	-2.2
South Dakota	45,986	45,067	45,760	-0.5	1.5
Vermont	12,288	11,836	13,216	7.6	11.7
Wisconsin	302,141	282,839	315,190	4.3	11.4
Other States ¹	226,611	217,739	227,047	0.2	4.3
United States	1,214,264	1,160,964	1,226,075	1.0	5.6
Atlantic	146,089	131,900	141,569	-3.1	7.3
Central	596,796	566,811	613,152	2.7	8.2
West	471,379	462,253	471,354	(Z)	2.0

(Z) Less than half of the unit shown.

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

American Cheese Production – States, United States, and Regions: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	42,757	45,688	47,958	12.2	5.0
Iowa	15,636	14,711	14,585	-6.7	-0.9
Minnesota	55,508	59,254	62,321	12.3	5.2
New York	12,370	12,531	12,185	-1.5	-2.8
Wisconsin	91,542	84,538	92,500	1.0	9.4
Other States ¹	269,188	239,338	256,602	-4.7	7.2
United States	487,001	456,060	486,151	-0.2	6.6
Atlantic	29,042	22,458	23,156	-20.3	3.1
Central	267,557	254,006	274,081	2.4	7.9
West	190,402	179,596	188,914	-0.8	5.2

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: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	19,614	22,593	21,161	7.9	-6.3
Iowa	8,840	9,894	9,964	12.7	0.7
Vermont	8,752	8,506	9,545	9.1	12.2
Wisconsin	60,022	53,118	59,500	-0.9	12.0
Other States ¹	245,554	218,719	232,095	-5.5	6.1
United States	342,782	312,830	332,265	-3.1	6.2
Atlantic	27,212	20,551	21,118	-22.4	2.8
Central	181,240	173,749	187,941	3.7	8.2
West	134,330	118,530	123,206	-8.3	3.9

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: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	140,763	135,487	136,340	-3.1	0.6
Minnesota	10,793	7,099	7,195	-33.3	1.4
New Jersey	3,575	2,824	4,904	37.2	73.7
New York	31,226	28,011	30,557	-2.1	9.1
Pennsylvania	22,794	22,311	22,525	-1.2	1.0
Wisconsin	144,280	132,629	150,970	4.6	13.8
Other States ¹	155,731	159,341	159,144	2.2	-0.1
United States	509,162	487,702	511,635	0.5	4.9
Atlantic	61,538	56,595	61,443	-0.2	8.6
Central	214,125	197,325	216,358	1.0	9.6
West	233,499	233,782	233,834	0.1	(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: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	129,315	126,518	125,651	-2.8	-0.7
New Jersey	1,663	1,582	2,801	68.4	77.1
New York	13,762	13,577	14,345	4.2	5.7
Pennsylvania	18,900	18,845	18,063	-4.4	-4.1
Wisconsin	92,085	83,974	97,300	5.7	15.9
Other States ¹	143,537	146,499	147,395	2.7	0.6
United States	399,262	390,995	405,555	1.6	3.7
Atlantic	36,769	36,340	37,504	2.0	3.2
Central	141,755	130,725	145,767	2.8	11.5
West	220,738	223,930	222,284	0.7	-0.7

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

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

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,979	49,568	48,665	-4.5	-1.8
Pennsylvania	6,963	4,050	6,725	-3.4	66.0
Other States ¹	104,581	106,845	112,103	7.2	4.9
United States	162,523	160,463	167,493	3.1	4.4
Atlantic	12,213	10,030	13,979	14.5	39.4
Central	63,635	62,801	66,953	5.2	6.6
West	86,675	87,632	86,561	-0.1	-1.2

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: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	55,810	43,494	46,178	-17.3	6.2
Pennsylvania	10,321	9,055	10,143	-1.7	12.0
Other States ¹	62,438	62,931	68,824	10.2	9.4
United States	128,569	115,480	125,145	-2.7	8.4
Atlantic	21,061	16,538	20,609	-2.1	24.6
Central	28,190	26,920	31,589	12.1	17.3
West	79,318	72,022	72,947	-8.0	1.3

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: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	10,566	10,700	10,476	-0.9	-2.1
Wisconsin	21,751	23,840	21,756	(Z)	-8.7
Other States ¹	39,156	30,638	30,469	-22.2	-0.6
United States	71,473	65,178	62,701	-12.3	-3.8
Atlantic	20,246	19,561	19,773	-2.3	1.1
Central	34,604	32,335	30,920	-10.6	-4.4
West	16,623	13,282	12,008	-27.8	-9.6

(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.

Ice Cream, Regular (Hard) Production – States, United States, and Regions: October 2023 and 2024

State and region	October 2023	September 2024	October 2024	Change from	
				October 2023	September 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,849	6,575	6,521	11.5	-0.8
New York	2,091	2,156	1,948	-6.8	-9.6
Ohio	2,058	2,347	2,526	22.7	7.6
Utah	1,333	1,543	1,403	5.3	-9.1
Wisconsin	689	826	789	14.5	-4.5
Other States ¹	43,893	45,616	49,340	12.4	8.2
United States	55,913	59,063	62,527	11.8	5.9
Atlantic	12,514	14,290	13,414	7.2	-6.1
Central	33,442	33,453	37,821	13.1	13.1
West	9,957	11,320	11,292	13.4	-0.2

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

Dairy Products Regions



West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Central: Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

Atlantic: Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2023, there were 1,183 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

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

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

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

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

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

Information Contacts

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

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Kim DaPra – Milk Production and Milk Cows	(202) 720-3278
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Ralph Mondesir – 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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