



# Dairy Products

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## September 2024 Highlights

**Total cheese** output (excluding cottage cheese) was 1.16 billion pounds, slightly above September 2023 but 3.1 percent below August 2024.

**Italian type cheese** production totaled 487 million pounds, 1.5 percent above September 2023 but 2.7 percent below August 2024.

**American type cheese** production totaled 456 million pounds, 3.7 percent below September 2023 and 4.4 percent below August 2024.

**Butter** production was 159 million pounds, 11.3 percent above September 2023 but 0.4 percent below August 2024.

### **Dry milk products** (comparisons in percentage with September 2023)

Nonfat dry milk, human - 114 million pounds, up 14.3 percent.

Skim milk powder - 53.2 million pounds, down 21.4 percent.

### **Whey products** (comparisons in percentage with September 2023)

Dry whey, total - 68.0 million pounds, down 13.8 percent.

Lactose, human and animal - 94.0 million pounds, down 1.3 percent.

Whey protein concentrate, total - 36.7 million pounds, down 9.8 percent.

### **Frozen products** (comparisons in percentage with September 2023)

Ice cream, regular (hard) - 59.3 million gallons, down 2.8 percent.

Ice cream, lowfat (total) - 31.2 million gallons, down 12.6 percent.

Sherbet (hard) - 1.68 million gallons, up 10.0 percent.

Frozen yogurt (total) - 3.18 million gallons, down 2.2 percent.

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

Product	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	143,134	159,922	159,238	11.3	-0.4
<b>Cheese</b>					
American types <sup>1</sup> .....	473,266	476,774	455,757	-3.7	-4.4
Cheddar .....	319,957	321,447	311,761	-2.6	-3.0
Other American types .....	153,309	155,327	143,996	-6.1	-7.3
Blue and Gorgonzola .....	6,090	7,594	6,778	11.3	-10.7
Brick and Muenster .....	17,021	17,733	16,836	-1.1	-5.1
Cream and Neufchatel .....	89,432	100,386	100,486	12.4	0.1
Feta .....	12,429	12,765	13,006	4.6	1.9
Gouda .....	4,743	7,474	5,956	25.6	-20.3
Hispanic .....	36,738	35,149	34,931	-4.9	-0.6
Italian types .....	479,371	500,060	486,639	1.5	-2.7
Mozzarella .....	379,375	400,492	389,561	2.7	-2.7
Parmesan .....	35,253	31,568	32,790	-7.0	3.9
Provolone .....	32,741	32,844	30,924	-5.5	-5.8
Ricotta .....	21,504	19,480	20,265	-5.8	4.0
Romano .....	3,846	6,208	5,473	42.3	-11.8
Other Italian types .....	6,652	9,468	7,626	14.6	-19.5
Swiss .....	26,494	27,340	26,715	0.8	-2.3
All other types .....	13,937	11,589	12,685	-9.0	9.5
<b>Total cheese</b> <sup>2</sup> .....	1,159,521	1,196,864	1,159,789	(Z)	-3.1
Cottage cheese, curd <sup>3</sup> .....	35,191	38,044	39,399	12.0	3.6
Cottage cheese, cream <sup>4</sup> .....	33,459	34,822	35,610	6.4	2.3
Cottage cheese, lowfat <sup>5</sup> .....	32,472	33,012	31,287	-3.6	-5.2
Sour cream .....	119,965	126,753	119,898	-0.1	-5.4
Yogurt, plain and flavored .....	402,621	423,662	431,117	7.1	1.8
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	61,000	69,341	59,310	-2.8	-14.5
Ice cream, lowfat, hard .....	18,695	20,490	16,616	-11.1	-18.9
Ice cream, lowfat, soft .....	17,043	18,146	14,624	-14.2	-19.4
Ice cream, lowfat, total <sup>6</sup> .....	35,738	38,636	31,240	-12.6	-19.1
Ice cream, nonfat, hard .....	628	552	394	-37.3	-28.6
Sherbet, hard .....	1,525	2,153	1,678	10.0	-22.1
Frozen yogurt, total .....	3,245	4,387	3,175	-2.2	-27.6
Regular and lowfat, hard .....	960	1,183	1,062	10.6	-10.2
Nonfat, hard .....	335	287	163	-51.3	-43.2
Other frozen dairy products .....	1,208	1,572	1,074	-11.1	-31.7
Water and juice ices .....	6,149	6,277	5,170	-15.9	-17.6
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	36,941	44,286	37,511	1.5	-15.3
Ice cream, lowfat, mix <sup>7</sup> .....	18,353	21,650	17,502	-4.6	-19.2
Ice cream, nonfat, mix .....	395	547	435	10.1	-20.5
Sherbet mix .....	1,439	1,611	1,323	-8.1	-17.9
Yogurt mix .....	1,769	1,935	1,577	-10.9	-18.5

(Z) Less than half of the unit shown.

<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:  
September 2023 and 2024**

Product	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	6,944	6,577	7,028	1.2	6.9
Dry whey products					
Dry whey, human .....	75,828	60,858	65,178	-14.0	7.1
Dry whey, animal .....	3,071	4,388	2,836	-7.7	-35.4
Dry whey, total .....	78,899	65,246	68,014	-13.8	4.2
Reduced Lactose and minerals					
Human and animal .....	3,410	3,608	3,215	-5.7	-10.9
Whey protein concentrate					
Human <sup>2</sup> .....	39,284	40,198	35,668	-9.2	-11.3
Animal <sup>2</sup> .....	1,361	1,246	1,009	-25.9	-19.0
Total <sup>2</sup> .....	40,645	41,444	36,677	-9.8	-11.5
25.0-49.9 percent <sup>3</sup> .....	13,676	13,215	11,615	-15.1	-12.1
50.0-89.9 percent <sup>3</sup> .....	26,969	28,229	25,062	-7.1	-11.2
Whey protein isolates <sup>4</sup> .....	13,964	15,818	17,107	22.5	8.1
Lactose, human and animal .....	95,253	94,954	94,022	-1.3	-1.0
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	80,258	55,263	54,170	-32.5	-2.0
Dry whey, animal .....	2,997	3,277	2,544	-15.1	-22.4
Dry whey, total .....	83,255	58,540	56,714	-31.9	-3.1
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	8,399	8,580	8,280	-1.4	-3.5
Whey protein concentrate					
Human <sup>2</sup> .....	74,926	51,848	47,822	-36.2	-7.8
Animal <sup>2</sup> .....	1,082	1,391	1,224	13.1	-12.0
Total <sup>2</sup> .....	76,008	53,239	49,046	-35.5	-7.9
25.0-49.9 percent <sup>3</sup> .....	33,027	19,648	16,556	-49.9	-15.7
50.0-89.9 percent <sup>3</sup> .....	42,981	33,591	32,490	-24.4	-3.3
Whey protein isolates <sup>4</sup> .....	18,861	16,109	15,334	-18.7	-4.8
Lactose, human and animal .....	129,374	123,666	113,720	-12.1	-8.0
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	23.5	29.3	30.1	6.6	0.9

<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:  
September 2023 and 2024**

Product	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	108,228	112,672	107,397	-0.8	-4.7
Dry milk products					
Dry buttermilk, total .....	8,485	8,988	9,949	17.3	10.7
Dry skim milk, animal .....	721	609	522	-27.6	-14.3
Dry whole milk .....	9,014	8,623	7,211	-20.0	-16.4
Milk protein concentrate, total <sup>1</sup> .....	15,236	22,855	23,156	52.0	1.3
Nonfat dry milk, human .....	99,972	116,151	114,286	14.3	-1.6
Skim milk powder, total <sup>2</sup> .....	67,711	50,320	53,216	-21.4	5.8
<b>Manufacturers' stocks end-of-month <sup>3</sup></b>					
Dry milk products					
Dry buttermilk, total .....	27,369	32,166	32,867	20.1	2.2
Dry skim milk, animal .....	9,744	11,229	11,562	18.7	3.0
Dry whole milk .....	11,398	11,188	11,707	2.7	4.6
Nonfat dry milk, human .....	240,605	260,698	249,689	3.8	-4.2
<b>Manufacturers' shipments <sup>4</sup></b>					
Dry milk products					
Nonfat dry milk, human .....	122,863	121,884	120,401	-2.0	-1.2

<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: 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)
<b>Total cheese <sup>1</sup></b>						
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	1,159,789	(Z)	10,617,747	10,671,183	0.5
October .....	1,214,264			11,832,011		
November .....	1,171,266			13,003,277		
December .....	1,207,714			14,210,991		
<b>Total American cheese types <sup>2</sup></b>						
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	455,757	-3.7	4,397,213	4,222,618	-4.0
October .....	487,001			4,884,214		
November .....	471,035			5,355,249		
December .....	489,254			5,844,503		
<b>Cheddar cheese</b>						
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	311,761	-2.6	3,089,125	2,887,228	-6.5
October .....	342,782			3,431,907		
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)
<b>Total Italian cheese types</b>						
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	486,639	1.5	4,350,282	4,484,685	3.1
October .....	509,162			4,859,444		
November .....	487,486			5,346,930		
December .....	507,540			5,854,470		
<b>Mozzarella</b>						
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	389,561	2.7	3,425,295	3,570,016	4.2
October .....	399,262			3,824,557		
November .....	380,413			4,204,970		
December .....	401,292			4,606,262		
<b>Other Italian cheese types</b>						
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	7,626	14.6	63,888	73,757	15.4
October .....	7,454			71,342		
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)
<b>Butter</b>						
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	159,238	11.3	1,595,305	1,688,617	5.8
October .....	162,523			1,757,828		
November .....	163,544			1,921,372		
December .....	193,656			2,115,028		
<b>Nonfat dry milk, human</b>						
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	114,286	14.3	1,476,128	1,291,544	-12.5
October .....	128,569			1,604,697		
November .....	116,818			1,721,515		
December .....	146,889			1,868,404		
<b>Skim milk powder, total <sup>3</sup></b>						
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	53,216	-21.4	505,650	414,727	-18.0
October .....	54,046			559,696		
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)
<b>Dry whey, total <sup>4</sup></b>						
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			797,315		
November .....	68,581			865,896		
December .....	72,550			938,446		
<b>Lactose, human and animal</b>						
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	94,022	-1.3	840,772	839,072	-0.2
October .....	90,017			930,789		
November .....	84,059			1,014,848		
December .....	90,687			1,105,535		
<b>Whey protein concentrate, total</b>						
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	36,677	-9.8	376,674	364,404	-3.3
October .....	39,688			416,362		
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)
<b>Cottage cheese, cream</b>						
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	35,610	6.4	286,329	313,732	9.6
October .....	31,351			317,680		
November .....	31,158			348,838		
December .....	29,001			377,839		
<b>Cottage cheese, lowfat</b>						
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	31,287	-3.6	253,392	281,477	11.1
October .....	29,760			283,152		
November .....	26,106			309,258		
December .....	26,154			335,412		
<b>Sour cream</b>						
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	119,898	-0.1	1,105,536	1,119,862	1.3
October .....	139,112			1,244,648		
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)
<b>Ice cream, regular hard</b>						
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	59,310	-2.8	552,965	564,227	2.0
October .....	55,913			608,878		
November .....	48,489			657,367		
December .....	44,454			701,821		
<b>Ice cream, lowfat total</b>						
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	31,240	-12.6	359,062	321,763	-10.4
October .....	37,237			396,299		
November .....	27,899			424,198		
December .....	26,658			450,856		
<b>Sherbet, hard</b>						
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	1,678	10.0	16,784	15,772	-6.0
October .....	1,644			18,428		
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)
<b>Yogurt, plain and flavored</b>						
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	431,117	7.1	3,515,828	3,686,271	4.8
October .....	374,844			3,890,672		
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)
<b>Frozen yogurt, total</b>						
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	3,175	-2.2	33,442	34,448	3.0
October .....	3,321			36,763		
November .....	2,422			39,185		
December .....	3,191			42,376		

(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:  
September 2023 and 2024**

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	205,123	213,213	200,458	-2.3	-6.0
Idaho .....	87,366	86,601	89,579	2.5	3.4
Illinois .....	5,632	5,396	5,590	-0.7	3.6
Iowa .....	33,445	30,588	29,298	-12.4	-4.2
Minnesota .....	65,393	67,721	66,852	2.2	-1.3
New Jersey .....	5,802	6,177	5,519	-4.9	-10.7
New Mexico .....	77,336	89,197	74,990	-3.0	-15.9
New York .....	67,155	69,732	68,829	2.5	-1.3
Ohio .....	20,935	20,972	22,036	5.3	5.1
Pennsylvania .....	37,163	38,301	40,783	9.7	6.5
South Dakota .....	42,918	44,289	43,237	0.7	-2.4
Vermont .....	11,573	11,303	11,840	2.3	4.8
Wisconsin .....	285,775	294,866	283,242	-0.9	-3.9
Other States <sup>1</sup> .....	213,905	218,508	217,536	1.7	-0.4
United States .....	1,159,521	1,196,864	1,159,789	(Z)	-3.1
Atlantic .....	133,097	130,511	131,910	-0.9	1.1
Central .....	566,100	580,525	565,698	-0.1	-2.6
West .....	460,324	485,828	462,181	0.4	-4.9

(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: September 2023 and 2024

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	47,015	48,135	45,688	-2.8	-5.1
Iowa .....	17,188	15,262	14,425	-16.1	-5.5
Minnesota .....	56,985	60,369	59,372	4.2	-1.7
New York .....	11,761	11,883	12,532	6.6	5.5
Wisconsin .....	87,205	84,987	84,800	-2.8	-0.2
Other States <sup>1</sup> .....	253,112	256,138	238,940	-5.6	-6.7
United States .....	473,266	476,774	455,757	-3.7	-4.4
Atlantic .....	27,419	21,261	22,463	-18.1	5.7
Central .....	259,069	255,886	253,698	-2.1	-0.9
West .....	186,778	199,627	179,596	-3.8	-10.0

<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: September 2023 and 2024

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	20,699	21,187	22,593	9.2	6.6
Iowa .....	9,018	10,815	9,539	5.8	-11.8
Vermont .....	8,059	7,896	8,510	5.6	7.8
Wisconsin .....	54,493	52,521	52,800	-3.1	0.5
Other States <sup>1</sup> .....	227,688	229,028	218,319	-4.1	-4.7
United States .....	319,957	321,447	311,761	-2.6	-3.0
Atlantic .....	25,628	19,734	20,554	-19.8	4.2
Central .....	171,368	173,605	172,677	0.8	-0.5
West .....	122,961	128,108	118,530	-3.6	-7.5

<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: September 2023 and 2024

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	131,566	144,241	135,486	3.0	-6.1
Minnesota .....	8,402	7,202	7,301	-13.1	1.4
New Jersey .....	3,080	2,938	2,824	-8.3	-3.9
New York .....	28,040	30,410	28,011	-0.1	-7.9
Pennsylvania .....	20,631	22,866	22,311	8.1	-2.4
Wisconsin .....	138,601	143,261	133,132	-3.9	-7.1
Other States <sup>1</sup> .....	149,051	149,142	157,574	5.7	5.7
United States .....	479,371	500,060	486,639	1.5	-2.7
Atlantic .....	55,614	59,799	56,595	1.8	-5.4
Central .....	203,780	207,305	196,259	-3.7	-5.3
West .....	219,977	232,956	233,785	6.3	0.4

<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: September 2023 and 2024

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	123,636	134,455	126,517	2.3	-5.9
New Jersey .....	1,656	1,644	1,582	-4.5	-3.8
New York .....	12,362	14,885	13,577	9.8	-8.8
Pennsylvania .....	16,418	19,111	18,845	14.8	-1.4
Wisconsin .....	89,152	92,166	84,300	-5.4	-8.5
Other States <sup>1</sup> .....	136,151	138,231	144,740	6.3	4.7
United States .....	379,375	400,492	389,561	2.7	-2.7
Atlantic .....	32,924	38,056	36,340	10.4	-4.5
Central .....	135,822	139,903	129,288	-4.8	-7.6
West .....	210,629	222,533	223,933	6.3	0.6

<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: September 2023 and 2024**

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	48,471	49,996	49,568	2.3	-0.9
Pennsylvania .....	6,647	5,731	4,050	-39.1	-29.3
Other States <sup>1</sup> .....	88,016	104,195	105,620	20.0	1.4
United States .....	143,134	159,922	159,238	11.3	-0.4
Atlantic .....	10,779	11,270	8,790	-18.5	-22.0
Central .....	53,097	60,724	62,816	18.3	3.4
West .....	79,258	87,928	87,632	10.6	-0.3

<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: September 2023 and 2024**

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	37,072	50,611	43,494	17.3	-14.1
Pennsylvania .....	11,709	9,722	9,055	-22.7	-6.9
Other States <sup>1</sup> .....	51,191	55,818	61,737	20.6	10.6
United States .....	99,972	116,151	114,286	14.3	-1.6
Atlantic .....	19,992	22,627	15,985	-20.0	-29.4
Central .....	22,390	20,478	26,920	20.2	31.5
West .....	57,590	73,046	71,381	23.9	-2.3

<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: September 2023 and 2024

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	10,171	11,621	10,700	5.2	-7.9
Wisconsin .....	22,034	18,027	23,840	8.2	32.2
Other States <sup>1</sup> .....	43,623	31,210	30,638	-29.8	-1.8
United States .....	75,828	60,858	65,178	-14.0	7.1
Atlantic .....	19,074	21,239	19,561	2.6	-7.9
Central .....	40,213	26,920	32,335	-19.6	20.1
West .....	16,541	12,699	13,282	-19.7	4.6

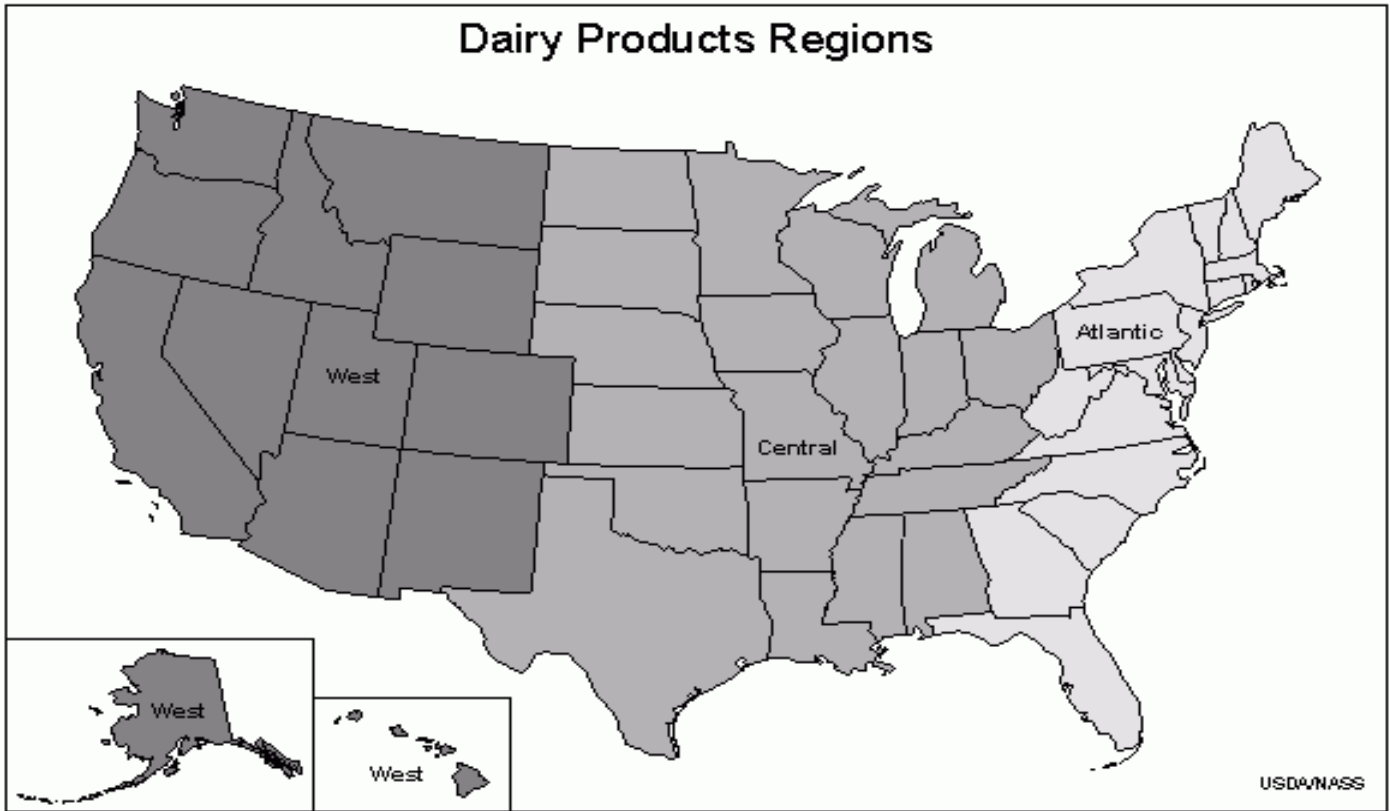
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

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

State and region	September 2023	August 2024	September 2024	Change from	
				September 2023	August 2024
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	5,991	8,256	6,729	12.3	-18.5
New York .....	2,228	2,471	2,154	-3.3	-12.8
Ohio .....	2,117	2,465	2,347	10.9	-4.8
Utah .....	1,599	1,603	1,639	2.5	2.2
Wisconsin .....	804	1,001	826	2.7	-17.5
Other States <sup>1</sup> .....	48,261	53,545	45,615	-5.5	-14.8
United States .....	61,000	69,341	59,310	-2.8	-14.5
Atlantic .....	13,570	14,169	14,288	5.3	0.8
Central .....	36,016	41,347	33,452	-7.1	-19.1
West .....	11,414	13,825	11,570	1.4	-16.3

<sup>1</sup> 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](mailto:nass@usda.gov).

Travis Averill, Chief, Livestock Branch .....	(202) 692-0069
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Kim DaPra – Milk Production and Milk Cows .....	(202) 720-3278
Donnie Fike – Dairy Products .....	(202) 690-3347
Ralph Mondesir – Hogs and Pigs .....	(202) 720-3106
Suzanne Richards – Sheep and Goats .....	(202) 720-4448

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov).
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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

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