



Dairy Products

ISSN: 1949-0399

Released September 3, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

July 2021 Highlights

Total cheese output (excluding cottage cheese) was 1.15 billion pounds, 3.5 percent above July 2020 and 2.4 percent above June 2021.

Italian type cheese production totaled 484 million pounds, 6.5 percent above July 2020 and 2.9 percent above June 2021.

American type cheese production totaled 464 million pounds, 2.3 percent above July 2020 and 2.3 percent above June 2021.

Butter production was 152 million pounds, 0.8 percent below July 2020 and 5.4 percent below June 2021.

Dry milk products (comparisons in percentage with July 2020)

Nonfat dry milk, human - 157 million pounds, down 5.3 percent.

Skim milk powder - 51.1 million pounds, down 16.8 percent.

Whey products (comparisons in percentage with July 2020)

Dry whey, total - 80.8 million pounds, down 2.3 percent.

Lactose, human and animal - 98.0 million pounds, down 1.9 percent.

Whey protein concentrate, total - 38.8 million pounds, down 2.1 percent.

Frozen products (comparisons in percentage with July 2020)

Ice cream, regular (hard) - 65.5 million gallons, down 11.0 percent.

Ice cream, lowfat (total) - 44.4 million gallons, down 2.5 percent.

Sherbet (hard) - 2.88 million gallons, down 10.2 percent.

Frozen yogurt (total) - 3.18 million gallons, down 10.8 percent.

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Dairy Products Production by Product – United States: July 2020 and 2021

Product	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	152,947	160,335	151,661	-0.8	-5.4
Cheese					
American types ¹	453,096	453,428	463,645	2.3	2.3
Cheddar	322,775	326,915	321,761	-0.3	-1.6
Other American types	130,321	126,513	141,884	8.9	12.1
Blue and Gorgonzola	7,710	7,728	6,733	-12.7	-12.9
Brick and Muenster	16,319	17,838	16,140	-1.1	-9.5
Cream and Neufchatel	90,069	84,562	86,162	-4.3	1.9
Feta	14,479	11,501	14,427	-0.4	25.4
Gouda	3,918	4,413	4,959	26.6	12.4
Hispanic	29,475	29,275	30,286	2.8	3.5
Italian types	454,998	470,553	484,360	6.5	2.9
Mozzarella	364,832	369,194	377,665	3.5	2.3
Parmesan	29,991	39,482	42,527	41.8	7.7
Provolone	31,853	31,451	34,300	7.7	9.1
Ricotta	18,556	16,916	16,629	-10.4	-1.7
Romano	4,413	5,901	5,855	32.7	-0.8
Other Italian types	5,353	7,609	7,384	37.9	-3.0
Swiss	26,340	29,747	28,691	8.9	-3.5
All other types	13,711	12,510	13,536	-1.3	8.2
Total cheese ²	1,110,115	1,121,555	1,148,939	3.5	2.4
Cottage cheese, curd ³	32,906	30,052	32,099	-2.5	6.8
Cottage cheese, cream ⁴	31,016	28,923	28,854	-7.0	-0.2
Cottage cheese, lowfat ⁵	27,393	24,447	27,197	-0.7	11.2
Sour cream	112,681	123,718	118,093	4.8	-4.5
Yogurt, plain and flavored	365,149	385,738	394,162	7.9	2.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	73,592	67,019	65,480	-11.0	-2.3
Ice cream, lowfat, hard	22,484	21,405	20,456	-9.0	-4.4
Ice cream, lowfat, soft	23,063	22,671	23,957	3.9	5.7
Ice cream, lowfat, total ⁶	45,547	44,076	44,413	-2.5	0.8
Ice cream, nonfat, hard	429	496	564	31.5	13.7
Sherbet, hard	3,210	2,678	2,882	-10.2	7.6
Frozen yogurt, total	3,564	3,400	3,178	-10.8	-6.5
Regular and lowfat, hard	1,486	1,224	1,144	-23.0	-6.5
Nonfat, hard	359	411	315	-12.3	-23.4
Other frozen dairy products	1,263	1,081	1,173	-7.1	8.5
Water and juice ices	7,144	7,264	7,112	-0.4	-2.1
Mix for frozen products					
Ice cream, regular, mix	48,065	44,614	43,101	-10.3	-3.4
Ice cream, lowfat, mix ⁷	26,292	24,841	25,112	-4.5	1.1
Ice cream, nonfat, mix	393	377	379	-3.6	0.5
Sherbet mix	2,185	2,043	2,159	-1.2	5.7
Yogurt mix	1,713	1,957	1,542	-10.0	-21.2

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 2020 and 2021**

Product	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	9,075	6,450	6,872	-24.3	6.5
Dry whey products					
Dry whey, human	81,068	70,116	76,035	-6.2	8.4
Dry whey, animal	1,548	1,240	4,717	204.7	280.4
Dry whey, total	82,616	71,356	80,752	-2.3	13.2
Reduced lactose and minerals					
Human	1,816	2,046	1,928	6.2	-5.8
Animal	2,743	2,971	2,800	2.1	-5.8
Whey protein concentrate					
Human ²	39,282	37,852	37,857	-3.6	-
Animal ²	373	476	967	159.2	103.2
Total ²	39,655	38,328	38,824	-2.1	1.3
25.0-49.9 percent ³	14,904	13,794	13,735	-7.8	-0.4
50.0-89.9 percent ³	24,751	24,534	25,089	1.4	2.3
Whey protein isolates ⁴	9,725	10,254	11,020	13.3	7.5
Lactose, human and animal	99,916	94,642	97,973	-1.9	3.5
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	86,157	60,728	65,260	-24.3	7.5
Dry whey, animal	1,239	873	1,577	27.3	80.6
Dry whey, total	87,396	61,601	66,837	-23.5	8.5
Reduced Lactose and minerals					
Human and animal ⁶	6,556	6,892	6,891	5.1	-
Whey protein concentrate					
Human ²	64,807	62,133	60,120	-7.2	-3.2
Animal ²	696	2,189	2,152	209.2	-1.7
Total ²	65,503	64,322	62,272	-4.9	-3.2
25.0-49.9 percent ³	24,231	27,209	25,344	4.6	-6.9
50.0-89.9 percent ³	41,272	37,113	36,928	-10.5	-0.5
Whey protein isolates ⁴	18,195	13,575	12,909	-29.1	-4.9
Lactose, human and animal	97,687	125,435	128,252	31.3	2.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	20.6	40.3	14.1	-6.5	-26.2

- Represents zero.

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 2020 and 2021**

Product	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	114,779	119,895	115,311	0.5	-3.8
Dry milk products					
Dry buttermilk, total	8,918	9,164	9,229	3.5	0.7
Dry skim milk, animal	848	1,226	1,055	24.4	-13.9
Dry whole milk	10,215	14,250	11,974	17.2	-16.0
Milk protein concentrate, total ¹	18,219	18,131	11,737	-35.6	-35.3
Nonfat dry milk, human	166,138	187,018	157,323	-5.3	-15.9
Skim milk powder, total ²	61,369	43,452	51,052	-16.8	17.5
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	22,696	19,864	21,712	-4.3	9.3
Dry skim milk, animal	9,308	9,468	9,200	-1.2	-2.8
Dry whole milk	11,166	21,107	19,817	77.5	-6.1
Nonfat dry milk, human	313,806	349,438	322,298	2.7	-7.8
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	137,542	189,296	172,193	25.2	-9.0

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: 2020 and 2021

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,124,768	1,135,567	1.0	1,124,768	1,135,567	1.0
February	1,032,907	1,043,505	1.0	2,157,675	2,179,072	1.0
March	1,121,446	1,175,989	4.9	3,279,121	3,355,061	2.3
April	1,051,959	1,135,900	8.0	4,331,080	4,490,961	3.7
May	1,101,211	1,157,550	5.1	5,432,291	5,648,511	4.0
June	1,121,598	1,121,555	-	6,553,889	6,770,066	3.3
July	1,110,115	1,148,939	3.5	7,664,004	7,919,005	3.3
August	1,091,546			8,755,550		
September	1,104,235			9,859,785		
October	1,136,863			10,996,648		
November	1,102,292			12,098,940		
December	1,154,483			13,253,423		
Total American cheese types ²						
January	442,207	474,315	7.3	442,207	474,315	7.3
February	414,155	426,094	2.9	856,362	900,409	5.1
March	446,423	476,720	6.8	1,302,785	1,377,129	5.7
April	446,525	472,424	5.8	1,749,310	1,849,553	5.7
May	441,148	478,522	8.5	2,190,458	2,328,075	6.3
June	431,782	453,428	5.0	2,622,240	2,781,503	6.1
July	453,096	463,645	2.3	3,075,336	3,245,148	5.5
August	445,137			3,520,473		
September	432,114			3,952,587		
October	460,217			4,412,804		
November	449,783			4,862,587		
December	474,946			5,337,533		
Cheddar cheese						
January	323,344	346,949	7.3	323,344	346,949	7.3
February	296,659	300,535	1.3	620,003	647,484	4.4
March	314,114	333,787	6.3	934,117	981,271	5.0
April	330,119	334,079	1.2	1,264,236	1,315,350	4.0
May	315,704	345,978	9.6	1,579,940	1,661,328	5.2
June	302,960	326,915	7.9	1,882,900	1,988,243	5.6
July	322,775	321,761	-0.3	2,205,675	2,310,004	4.7
August	323,153			2,528,828		
September	303,253			2,832,081		
October	325,354			3,157,435		
November	321,553			3,478,988		
December	349,162			3,828,150		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	488,692	481,029	-1.6	488,692	481,029	-1.6
February	445,765	443,254	-0.6	934,457	924,283	-1.1
March	485,546	502,468	3.5	1,420,003	1,426,751	0.5
April	447,648	481,988	7.7	1,867,651	1,908,739	2.2
May	482,323	481,370	-0.2	2,349,974	2,390,109	1.7
June	485,761	470,553	-3.1	2,835,735	2,860,662	0.9
July	454,998	484,360	6.5	3,290,733	3,345,022	1.6
August	445,538			3,736,271		
September	469,823			4,206,094		
October	473,294			4,679,388		
November	454,904			5,134,292		
December	490,878			5,625,170		
Mozzarella						
January	384,730	374,948	-2.5	384,730	374,948	-2.5
February	352,735	345,504	-2.0	737,465	720,452	-2.3
March	386,397	392,357	1.5	1,123,862	1,112,809	-1.0
April	353,043	376,809	6.7	1,476,905	1,489,618	0.9
May	379,446	376,774	-0.7	1,856,351	1,866,392	0.5
June	389,307	369,194	-5.2	2,245,658	2,235,586	-0.4
July	364,832	377,665	3.5	2,610,490	2,613,251	0.1
August	355,527			2,966,017		
September	371,610			3,337,627		
October	371,411			3,709,038		
November	358,817			4,067,855		
December	382,737			4,450,592		
Other Italian cheese types						
January	6,867	6,284	-8.5	6,867	6,284	-8.5
February	5,943	6,180	4.0	12,810	12,464	-2.7
March	6,739	7,108	5.5	19,549	19,572	0.1
April	5,152	6,549	27.1	24,701	26,121	5.7
May	6,572	6,792	3.3	31,273	32,913	5.2
June	6,095	7,609	24.8	37,368	40,522	8.4
July	5,353	7,384	37.9	42,721	47,906	12.1
August	6,113			48,834		
September	6,869			55,703		
October	6,723			62,426		
November	6,653			69,079		
December	6,781			75,860		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	204,937	209,630	2.3	204,937	209,630	2.3
February	194,746	186,304	-4.3	399,683	395,934	-0.9
March	200,040	198,920	-0.6	599,723	594,854	-0.8
April	227,200	183,851	-19.1	826,923	778,705	-5.8
May	172,343	184,894	7.3	999,266	963,599	-3.6
June	149,135	160,335	7.5	1,148,401	1,123,934	-2.1
July	152,947	151,661	-0.8	1,301,348	1,275,595	-2.0
August	150,921			1,452,269		
September	150,709			1,602,978		
October	161,980			1,764,958		
November	172,899			1,937,857		
December	207,529			2,145,386		
Nonfat dry milk, human						
January	184,097	198,025	7.6	184,097	198,025	7.6
February	174,749	183,614	5.1	358,846	381,639	6.4
March	173,665	199,307	14.8	532,511	580,946	9.1
April	202,632	194,262	-4.1	735,143	775,208	5.4
May	157,236	205,427	30.6	892,379	980,635	9.9
June	154,033	187,018	21.4	1,046,412	1,167,653	11.6
July	166,138	157,323	-5.3	1,212,550	1,324,976	9.3
August	147,194			1,359,744		
September	126,249			1,485,993		
October	141,255			1,627,248		
November	155,435			1,782,683		
December	208,252			1,990,935		
Skim milk powder, total ³						
January	41,232	35,992	-12.7	41,232	35,992	-12.7
February	38,751	31,639	-18.4	79,983	67,631	-15.4
March	55,841	39,638	-29.0	135,824	107,269	-21.0
April	51,611	46,966	-9.0	187,435	154,235	-17.7
May	56,669	35,704	-37.0	244,104	189,939	-22.2
June	60,519	43,452	-28.2	304,623	233,391	-23.4
July	61,369	51,052	-16.8	365,992	284,443	-22.3
August	69,232			435,224		
September	81,084			516,308		
October	63,309			579,617		
November	64,961			644,578		
December	50,648			695,226		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	85,353	83,988	-1.6	85,353	83,988	-1.6
February	77,137	75,323	-2.4	162,490	159,311	-2.0
March	83,482	79,609	-4.6	245,972	238,920	-2.9
April	75,824	74,694	-1.5	321,796	313,614	-2.5
May	84,109	77,738	-7.6	405,905	391,352	-3.6
June	81,713	71,356	-12.7	487,618	462,708	-5.1
July	82,616	80,752	-2.3	570,234	543,460	-4.7
August	78,720			648,954		
September	76,954			725,908		
October	75,148			801,056		
November	68,652			869,708		
December	81,301			951,009		
Lactose, human and animal						
January	84,665	93,798	10.8	84,665	93,798	10.8
February	84,265	79,123	-6.1	168,930	172,921	2.4
March	94,831	99,375	4.8	263,761	272,296	3.2
April	88,674	91,508	3.2	352,435	363,804	3.2
May	90,928	95,288	4.8	443,363	459,092	3.5
June	102,804	94,642	-7.9	546,167	553,734	1.4
July	99,916	97,973	-1.9	646,083	651,707	0.9
August	95,837			741,920		
September	93,454			835,374		
October	86,843			922,217		
November	85,542			1,007,759		
December	95,013			1,102,772		
Whey protein concentrate, total						
January	41,350	43,800	5.9	41,350	43,800	5.9
February	35,487	37,512	5.7	76,837	81,312	5.8
March	40,094	42,286	5.5	116,931	123,598	5.7
April	37,341	39,159	4.9	154,272	162,757	5.5
May	39,074	42,393	8.5	193,346	205,150	6.1
June	40,189	38,328	-4.6	233,535	243,478	4.3
July	39,655	38,824	-2.1	273,190	282,302	3.3
August	40,061			313,251		
September	40,988			354,239		
October	40,971			395,210		
November	39,311			434,521		
December	43,137			477,658		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	27,957	26,622	-4.8	27,957	26,622	-4.8
February	26,723	27,470	2.8	54,680	54,092	-1.1
March	31,391	31,376	-	86,071	85,468	-0.7
April	31,530	27,227	-13.6	117,601	112,695	-4.2
May	31,032	28,246	-9.0	148,633	140,941	-5.2
June	29,649	28,923	-2.4	178,282	169,864	-4.7
July	31,016	28,854	-7.0	209,298	198,718	-5.1
August	30,517			239,815		
September	33,831			273,646		
October	32,294			305,940		
November	27,508			333,448		
December	29,258			362,706		
Cottage cheese, lowfat						
January	26,533	24,428	-7.9	26,533	24,428	-7.9
February	24,575	24,271	-1.2	51,108	48,699	-4.7
March	27,979	28,722	2.7	79,087	77,421	-2.1
April	26,753	25,170	-5.9	105,840	102,591	-3.1
May	24,688	24,261	-1.7	130,528	126,852	-2.8
June	24,951	24,447	-2.0	155,479	151,299	-2.7
July	27,393	27,197	-0.7	182,872	178,496	-2.4
August	25,885			208,757		
September	26,719			235,476		
October	27,540			263,016		
November	22,228			285,244		
December	23,495			308,739		
Sour cream						
January	120,042	115,248	-4.0	120,042	115,248	-4.0
February	104,435	113,749	8.9	224,477	228,997	2.0
March	115,545	133,250	15.3	340,022	362,247	6.5
April	110,956	119,400	7.6	450,978	481,647	6.8
May	135,931	120,542	-11.3	586,909	602,189	2.6
June	121,733	123,718	1.6	708,642	725,907	2.4
July	112,681	118,093	4.8	821,323	844,000	2.8
August	117,149			938,472		
September	120,885			1,059,357		
October	138,408			1,197,765		
November	130,353			1,328,118		
December	132,789			1,460,907		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	54,775	56,990	4.0	54,775	56,990	4.0
February	55,045	55,630	1.1	109,820	112,620	2.5
March	64,287	70,028	8.9	174,107	182,648	4.9
April	63,439	67,955	7.1	237,546	250,603	5.5
May	64,598	61,173	-5.3	302,144	311,776	3.2
June	72,777	67,019	-7.9	374,921	378,795	1.0
July	73,592	65,480	-11.0	448,513	444,275	-0.9
August	70,473			518,986		
September	68,194			587,180		
October	63,264			650,444		
November	54,826			705,270		
December	53,441			758,711		
Ice cream, lowfat total						
January	33,533	30,737	-8.3	33,533	30,737	-8.3
February	37,999	33,507	-11.8	71,532	64,244	-10.2
March	42,867	44,486	3.8	114,399	108,730	-5.0
April	39,368	41,177	4.6	153,767	149,907	-2.5
May	45,133	44,880	-0.6	198,900	194,787	-2.1
June	47,269	44,076	-6.8	246,169	238,863	-3.0
July	45,547	44,413	-2.5	291,716	283,276	-2.9
August	45,371			337,087		
September	41,756			378,843		
October	38,173			417,016		
November	33,279			450,295		
December	32,167			482,462		
Sherbet, hard						
January	2,386	2,666	11.7	2,386	2,666	11.7
February	2,840	2,605	-8.3	5,226	5,271	0.9
March	2,721	2,559	-6.0	7,947	7,830	-1.5
April	2,425	2,797	15.3	10,372	10,627	2.5
May	2,328	2,334	0.3	12,700	12,961	2.1
June	3,246	2,678	-17.5	15,946	15,639	-1.9
July	3,210	2,882	-10.2	19,156	18,521	-3.3
August	3,416			22,572		
September	2,962			25,534		
October	2,882			28,416		
November	2,300			30,716		
December	2,816			33,532		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2020 and 2021 (continued)

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

Product and month	Monthly			Cumulative		
	2020	2021	Change from 2020	2020	2021	Change from 2020
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	355,942	385,594	8.3	355,942	385,594	8.3
February	380,263	381,121	0.2	736,205	766,715	4.1
March	438,213	442,886	1.1	1,174,418	1,209,601	3.0
April	361,848	413,835	14.4	1,536,266	1,623,436	5.7
May	373,099	388,759	4.2	1,909,365	2,012,195	5.4
June	398,683	385,738	-3.2	2,308,048	2,397,933	3.9
July	365,149	394,162	7.9	2,673,197	2,792,095	4.4
August	382,228			3,055,425		
September	391,449			3,446,874		
October	386,630			3,833,504		
November	326,611			4,160,115		
December	358,291			4,518,406		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	2,818	3,804	35.0	2,818	3,804	35.0
February	3,223	4,101	27.2	6,041	7,905	30.9
March	3,602	3,153	-12.5	9,643	11,058	14.7
April	2,570	2,431	-5.4	12,213	13,489	10.4
May	2,623	2,318	-11.6	14,836	15,807	6.5
June	3,440	3,400	-1.2	18,276	19,207	5.1
July	3,564	3,178	-10.8	21,840	22,385	2.5
August	3,231			25,071		
September	3,156			28,227		
October	2,483			30,710		
November	2,130			32,840		
December	2,636			35,476		

- Represents zero.

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 2020 and 2021**

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	202,594	193,270	203,048	0.2	5.1
Idaho	89,585	86,198	86,143	-3.8	-0.1
Illinois	4,784	5,712	5,442	13.8	-4.7
Iowa	29,968	27,466	28,479	-5.0	3.7
Minnesota	61,642	60,948	62,788	1.9	3.0
New Jersey	5,100	4,866	4,703	-7.8	-3.3
New Mexico	80,169	79,318	80,135	-	1.0
New York	75,244	69,937	71,108	-5.5	1.7
Ohio	19,278	20,130	20,709	7.4	2.9
Oregon	19,035	18,452	18,990	-0.2	2.9
Pennsylvania	35,387	30,420	34,490	-2.5	13.4
South Dakota	36,456	40,186	42,844	17.5	6.6
Vermont	12,228	11,915	11,494	-6.0	-3.5
Wisconsin	282,440	291,946	292,225	3.5	0.1
Other States ¹	156,205	180,791	186,341	19.3	3.1
United States	1,110,115	1,121,555	1,148,939	3.5	2.4
Atlantic	139,480	128,403	133,700	-4.1	4.1
Central	510,580	545,824	555,089	8.7	1.7
West	460,055	447,328	460,150	-	2.9

- Represents zero.

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	50,067	44,411	45,774	-8.6	3.1
Idaho	55,604	50,838	50,359	-9.4	-0.9
Iowa	19,758	13,237	14,504	-26.6	9.6
Minnesota	54,949	50,259	51,922	-5.5	3.3
New York	12,062	12,328	12,112	0.4	-1.8
Oregon	18,906	18,330	18,891	-0.1	3.1
Wisconsin	86,600	88,304	91,900	6.1	4.1
Other States ¹	155,150	175,721	178,183	14.8	1.4
United States	453,096	453,428	463,645	2.3	2.3
Atlantic	28,307	28,139	28,029	-1.0	-0.4
Central	225,315	238,739	248,023	10.1	3.9
West	199,474	186,550	187,593	-6.0	0.6

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	25,815	22,183	21,935	-15.0	-1.1
Iowa	12,386	6,369	7,738	-37.5	21.5
Minnesota	50,853	49,418	51,053	0.4	3.3
Oregon	16,519	17,214	15,442	-6.5	-10.3
Vermont	8,145	8,282	8,108	-0.5	-2.1
Wisconsin	59,325	60,759	63,400	6.9	4.3
Other States ¹	149,732	162,690	154,085	2.9	-5.3
United States	322,775	326,915	321,761	-0.3	-1.6
Atlantic	26,799	26,215	26,266	-2.0	0.2
Central	154,547	166,976	169,538	9.7	1.5
West	141,429	133,724	125,957	-10.9	-5.8

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	129,182	125,012	135,674	5.0	8.5
Idaho	28,327	30,282	29,807	5.2	-1.6
Minnesota	6,528	10,412	10,632	62.9	2.1
New Jersey	2,283	2,307	2,353	3.1	2.0
New York	28,800	26,926	24,363	-15.4	-9.5
Pennsylvania	20,204	21,747	22,886	13.3	5.2
Wisconsin	135,951	142,244	141,875	4.4	-0.3
Other States ¹	103,723	111,623	116,770	12.6	4.6
United States	454,998	470,553	484,360	6.5	2.9
Atlantic	55,581	55,159	54,142	-2.6	-1.8
Central	183,692	200,882	204,124	11.1	1.6
West	215,725	214,512	226,094	4.8	5.4

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	119,920	114,955	122,592	2.2	6.6
Idaho	27,776	29,577	29,140	4.9	-1.5
New York	14,763	13,982	13,004	-11.9	-7.0
Pennsylvania	16,276	17,849	18,339	12.7	2.7
Wisconsin	88,739	93,316	90,800	2.3	-2.7
Other States ¹	97,358	99,515	103,790	6.6	4.3
United States	364,832	369,194	377,665	3.5	2.3
Atlantic	35,057	35,601	35,455	1.1	-0.4
Central	124,875	130,781	130,774	4.7	-
West	204,900	202,812	211,436	3.2	4.3

- Represents zero.

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	52,825	55,167	49,255	-6.8	-10.7
New York	762	749	747	-2.0	-0.3
Pennsylvania	7,983	7,017	6,466	-19.0	-7.9
Other States ¹	91,377	97,402	95,193	4.2	-2.3
United States	152,947	160,335	151,661	-0.8	-5.4
Atlantic	12,518	12,399	10,404	-16.9	-16.1
Central	53,493	60,880	60,598	13.3	-0.5
West	86,936	87,056	80,659	-7.2	-7.3

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	64,167	76,518	50,865	-20.7	-33.5
Pennsylvania	15,500	15,015	15,058	-2.9	0.3
Other States ¹	86,471	95,485	91,400	5.7	-4.3
United States	166,138	187,018	157,323	-5.3	-15.9
Atlantic	30,248	34,628	31,510	4.2	-9.0
Central	36,228	38,273	41,999	15.9	9.7
West	99,662	114,117	83,814	-15.9	-26.6

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	12,274	11,976	13,084	6.6	9.3
Wisconsin	21,626	21,792	24,496	13.3	12.4
Other States ¹	47,168	36,348	38,455	-18.5	5.8
United States	81,068	70,116	76,035	-6.2	8.4
Atlantic	21,627	22,603	23,647	9.3	4.6
Central	38,212	31,823	35,749	-6.4	12.3
West	21,229	15,690	16,639	-21.6	6.0

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 2020 and 2021

State and region	July 2020	June 2021	July 2021	Change from	
				July 2020	June 2021
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	6,929	7,849	8,003	15.5	2.0
Connecticut	1,323	1,445	1,523	15.1	5.4
Missouri	2,885	2,771	2,663	-7.7	-3.9
New York	2,720	2,086	2,815	3.5	34.9
Ohio	2,893	2,713	2,498	-13.7	-7.9
Oregon	1,204	985	979	-18.7	-0.6
Pennsylvania	3,883	3,657	3,707	-4.5	1.4
Tennessee	2,205	2,338	2,306	4.6	-1.4
Utah	3,301	1,629	1,143	-65.4	-29.8
Wisconsin	755	742	794	5.2	7.0
Other States ¹	45,494	40,804	39,049	-14.2	-4.3
United States	73,592	67,019	65,480	-11.0	-2.3
Atlantic	16,176	15,066	16,635	2.8	10.4
Central	43,696	39,745	37,165	-14.9	-6.5
West	13,720	12,208	11,680	-14.9	-4.3

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 2020, there were 1,242 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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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
- 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 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 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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