



Dairy Products

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July 2020 Highlights

Total cheese output (excluding cottage cheese) was 1.11 billion pounds, 1.8 percent above July 2019 but 0.4 percent below June 2020.

Italian type cheese production totaled 457 million pounds, 1.5 percent below July 2019 and 4.2 percent below June 2020.

American type cheese production totaled 452 million pounds, 4.0 percent above July 2019 and 3.5 percent above June 2020.

Butter production was 152 million pounds, 0.7 percent above July 2019 and 1.1 percent above June 2020.

Dry milk products (comparisons in percentage with July 2019)

Nonfat dry milk, human - 163 million pounds, down 5.2 percent.

Skim milk powder - 51.2 million pounds, up 9.7 percent.

Whey products (comparisons in percentage with July 2019)

Dry whey, total - 84.5 million pounds, up 2.0 percent.

Lactose, human and animal - 99.6 million pounds, down 6.9 percent.

Whey protein concentrate, total - 39.0 million pounds, down 2.1 percent.

Frozen products (comparisons in percentage with July 2019)

Ice cream, regular (hard) - 71.1 million gallons, up 9.6 percent.

Ice cream, lowfat (total) - 46.4 million gallons, up 6.4 percent.

Sherbet (hard) - 3.10 million gallons, up 10.7 percent.

Frozen yogurt (total) - 5.65 million gallons, down 1.2 percent.

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Dairy Products Production by Product – United States: July 2019 and 2020

Product	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter	150,705	150,200	151,799	0.7	1.1
Cheese					
American types ¹	434,449	436,406	451,739	4.0	3.5
Cheddar	305,911	309,012	321,217	5.0	3.9
Other American types	128,538	127,394	130,522	1.5	2.5
Blue and Gorgonzola	7,914	6,972	7,673	-3.0	10.1
Brick and Muenster	17,710	16,867	17,369	-1.9	3.0
Cream and Neufchatel	79,986	93,181	90,225	12.8	-3.2
Feta	11,570	8,911	9,276	-19.8	4.1
Gouda	3,896	3,774	3,954	1.5	4.8
Hispanic	26,805	29,058	28,917	7.9	-0.5
Italian types	463,865	477,058	457,055	-1.5	-4.2
Mozzarella	368,167	382,043	368,760	0.2	-3.5
Parmesan	33,174	30,438	29,408	-11.4	-3.4
Provolone	33,498	33,461	31,697	-5.4	-5.3
Ricotta	17,800	20,686	17,694	-0.6	-14.5
Romano	4,328	4,455	4,080	-5.7	-8.4
Other Italian types	6,898	5,975	5,416	-21.5	-9.4
Swiss	29,103	26,053	27,320	-6.1	4.9
All other types	12,304	13,166	13,193	7.2	0.2
Total cheese ²	1,087,602	1,111,446	1,106,721	1.8	-0.4
Cottage cheese, curd ³	36,978	31,886	34,482	-6.7	8.1
Cottage cheese, cream ⁴	32,350	31,008	32,543	0.6	5.0
Cottage cheese, lowfat ⁵	29,611	25,505	29,520	-0.3	15.7
Sour cream	118,403	121,962	113,834	-3.9	-6.7
Yogurt, plain and flavored	348,614	396,538	365,854	4.9	-7.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
Frozen products					
Ice cream, regular, hard	64,846	71,841	71,064	9.6	-1.1
Ice cream, lowfat, hard	21,281	23,472	22,792	7.1	-2.9
Ice cream, lowfat, soft	22,301	23,861	23,601	5.8	-1.1
Ice cream, lowfat, total ⁶	43,582	47,333	46,393	6.4	-2.0
Ice cream, nonfat, hard	557	608	514	-7.7	-15.5
Sherbet, hard	2,795	3,475	3,095	10.7	-10.9
Frozen yogurt, total	5,722	5,344	5,654	-1.2	5.8
Regular and lowfat, hard	1,130	1,140	1,109	-1.9	-2.7
Nonfat, hard	508	443	461	-9.3	4.1
Other frozen dairy products	1,645	1,122	1,278	-22.3	13.9
Water and juice ices	7,429	7,051	7,131	-4.0	1.1
Mix for frozen products					
Ice cream, regular, mix	40,934	48,239	49,220	20.2	2.0
Ice cream, lowfat, mix ⁷	23,710	26,642	26,128	10.2	-1.9
Ice cream, nonfat, mix	400	470	425	6.3	-9.6
Sherbet mix	1,948	2,423	2,466	26.6	1.8
Yogurt mix	2,936	2,601	2,512	-14.4	-3.4

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 2019 and 2020**

Product	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content ¹					
Sweet-type, human	10,359	6,526	6,516	-37.1	-0.2
Dry whey products					
Dry whey, human	80,892	83,540	82,646	2.2	-1.1
Dry whey, animal	2,014	1,255	1,902	-5.6	51.6
Dry whey, total	82,906	84,795	84,548	2.0	-0.3
Reduced lactose and minerals					
Human	1,767	1,892	1,793	1.5	-5.2
Animal	2,736	3,023	2,738	0.1	-9.4
Whey protein concentrate					
Human ²	38,464	39,388	38,124	-0.9	-3.2
Animal ²	1,338	397	842	-37.1	112.1
Total ²	39,802	39,785	38,966	-2.1	-2.1
25.0-49.9 percent ³	15,058	14,212	14,181	-5.8	-0.2
50.0-89.9 percent ³	24,744	25,573	24,785	0.2	-3.1
Whey protein isolates ⁴	9,754	10,221	9,912	1.6	-3.0
Lactose, human and animal	106,989	101,024	99,629	-6.9	-1.4
Manufacturers' stocks end of month ⁵					
Dry whey products					
Dry whey, human	65,500	83,518	82,830	26.5	-0.8
Dry whey, animal	2,135	1,078	1,655	-22.5	53.5
Dry whey, total	67,635	84,596	84,485	24.9	-0.1
Reduced Lactose and minerals					
Human and animal ⁶	5,148	5,386	4,745	-7.8	-11.9
Whey protein concentrate					
Human ²	60,015	65,659	64,427	7.4	-1.9
Animal ²	958	1,169	1,118	16.7	-4.4
Total ²	60,973	66,828	65,545	7.5	-1.9
25.0-49.9 percent ³	22,030	25,312	24,785	12.5	-2.1
50.0-89.9 percent ³	38,943	41,516	40,760	4.7	-1.8
Whey protein isolates ⁴	18,387	16,456	17,583	-4.4	6.8
Lactose, human and animal	114,247	96,259	98,006	-14.2	1.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
Manufacturers' selling price ⁷					
Dry whey, animal	24.3	23.0	20.4	-3.9	-2.7

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 2019 and 2020**

Product	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Production					
Bulk condensed milk					
Skim, unsweetened	125,497	121,749	124,493	-0.8	2.3
Dry milk products					
Dry buttermilk, total	9,857	9,008	9,011	-8.6	-
Dry skim milk, animal	811	731	719	-11.3	-1.6
Dry whole milk	8,573	10,305	10,128	18.1	-1.7
Milk protein concentrate, total ¹	8,677	18,195	18,068	108.2	-0.7
Nonfat dry milk, human	172,329	147,134	163,446	-5.2	11.1
Skim milk powder, total ²	46,708	61,253	51,220	9.7	-16.4
Manufacturers' stocks end-of-month ³					
Dry milk products					
Dry buttermilk, total	14,155	24,178	24,006	69.6	-0.7
Dry skim milk, animal	3,820	9,436	9,159	139.8	-2.9
Dry whole milk	34,705	25,924	11,208	-67.7	-56.8
Nonfat dry milk, human	292,077	289,021	309,629	6.0	7.1
Manufacturers' shipments ⁴					
Dry milk products					
Nonfat dry milk, human	173,434	198,480	136,829	-21.1	-31.1

- Represents zero.

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: 2019 and 2020

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total cheese ¹						
January	1,116,577	1,110,515	-0.5	1,116,577	1,110,515	-0.5
February	1,003,696	1,031,672	2.8	2,120,273	2,142,187	1.0
March	1,122,414	1,124,028	0.1	3,242,687	3,266,215	0.7
April	1,085,010	1,063,753	-2.0	4,327,697	4,329,968	0.1
May	1,105,886	1,101,005	-0.4	5,433,583	5,430,973	-
June	1,067,702	1,111,446	4.1	6,501,285	6,542,419	0.6
July	1,087,602	1,106,721	1.8	7,588,887	7,649,140	0.8
August	1,113,646			8,702,533		
September	1,080,526			9,783,059		
October	1,138,241			10,921,300		
November	1,093,397			12,014,697		
December	1,122,546			13,137,243		
Total American cheese types ²						
January	451,964	437,451	-3.2	451,964	437,451	-3.2
February	399,112	418,605	4.9	851,076	856,056	0.6
March	442,723	450,058	1.7	1,293,799	1,306,114	1.0
April	430,539	447,044	3.8	1,724,338	1,753,158	1.7
May	443,683	442,282	-0.3	2,168,021	2,195,440	1.3
June	427,638	436,406	2.1	2,595,659	2,631,846	1.4
July	434,449	451,739	4.0	3,030,108	3,083,585	1.8
August	452,030			3,482,138		
September	415,687			3,897,825		
October	445,601			4,343,426		
November	432,438			4,775,864		
December	456,378			5,232,242		
Cheddar cheese						
January	336,801	319,240	-5.2	336,801	319,240	-5.2
February	289,258	302,408	4.5	626,059	621,648	-0.7
March	315,229	318,292	1.0	941,288	939,940	-0.1
April	306,510	330,891	8.0	1,247,798	1,270,831	1.8
May	321,122	317,737	-1.1	1,568,920	1,588,568	1.3
June	307,403	309,012	0.5	1,876,323	1,897,580	1.1
July	305,911	321,217	5.0	2,182,234	2,218,797	1.7
August	321,190			2,503,424		
September	284,142			2,787,566		
October	309,584			3,097,150		
November	309,223			3,406,373		
December	330,369			3,736,742		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Total Italian cheese types						
January	483,211	485,398	0.5	483,211	485,398	0.5
February	440,425	448,190	1.8	923,636	933,588	1.1
March	493,275	486,865	-1.3	1,416,911	1,420,453	0.2
April	475,467	451,068	-5.1	1,892,378	1,871,521	-1.1
May	474,522	480,614	1.3	2,366,900	2,352,135	-0.6
June	461,688	477,058	3.3	2,828,588	2,829,193	-
July	463,865	457,055	-1.5	3,292,453	3,286,248	-0.2
August	466,578			3,759,031		
September	470,642			4,229,673		
October	485,559			4,715,232		
November	471,962			5,187,194		
December	483,331			5,670,525		
Mozzarella						
January	381,103	381,983	0.2	381,103	381,983	0.2
February	346,363	353,200	2.0	727,466	735,183	1.1
March	391,166	388,257	-0.7	1,118,632	1,123,440	0.4
April	372,686	351,712	-5.6	1,491,318	1,475,152	-1.1
May	374,770	378,291	0.9	1,866,088	1,853,443	-0.7
June	370,364	382,043	3.2	2,236,452	2,235,486	-
July	368,167	368,760	0.2	2,604,619	2,604,246	-
August	370,384			2,975,003		
September	375,726			3,350,729		
October	384,612			3,735,341		
November	375,266			4,110,607		
December	383,976			4,494,583		
Other Italian cheese types						
January	6,968	6,809	-2.3	6,968	6,809	-2.3
February	6,184	5,896	-4.7	13,152	12,705	-3.4
March	7,465	6,687	-10.4	20,617	19,392	-5.9
April	6,725	5,103	-24.1	27,342	24,495	-10.4
May	6,450	6,417	-0.5	33,792	30,912	-8.5
June	6,155	5,975	-2.9	39,947	36,887	-7.7
July	6,898	5,416	-21.5	46,845	42,303	-9.7
August	7,143			53,988		
September	7,017			61,005		
October	5,698			66,703		
November	6,714			73,417		
December	7,123			80,540		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Butter						
January	199,038	193,422	-2.8	199,038	193,422	-2.8
February	172,171	188,035	9.2	371,209	381,457	2.8
March	180,694	195,886	8.4	551,903	577,343	4.6
April	172,371	217,531	26.2	724,274	794,874	9.7
May	170,044	177,966	4.7	894,318	972,840	8.8
June	154,848	150,200	-3.0	1,049,166	1,123,040	7.0
July	150,705	151,799	0.7	1,199,871	1,274,839	6.2
August	141,323			1,341,194		
September	144,334			1,485,528		
October	162,921			1,648,449		
November	161,852			1,810,301		
December	183,774			1,994,075		
Nonfat dry milk, human						
January	177,280	176,259	-0.6	177,280	176,259	-0.6
February	153,417	159,128	3.7	330,697	335,387	1.4
March	161,829	172,389	6.5	492,526	507,776	3.1
April	167,758	195,159	16.3	660,284	702,935	6.5
May	173,666	158,591	-8.7	833,950	861,526	3.3
June	157,948	147,134	-6.8	991,898	1,008,660	1.7
July	172,329	163,446	-5.2	1,164,227	1,172,106	0.7
August	132,525			1,296,752		
September	117,806			1,414,558		
October	132,716			1,547,274		
November	138,880			1,686,154		
December	164,869			1,851,023		
Skim milk powder, total ³						
January	36,153	40,119	11.0	36,153	40,119	11.0
February	33,901	38,434	13.4	70,054	78,553	12.1
March	48,274	40,843	-15.4	118,328	119,396	0.9
April	46,244	40,394	-12.7	164,572	159,790	-2.9
May	26,604	47,070	76.9	191,176	206,860	8.2
June	52,062	61,253	17.7	243,238	268,113	10.2
July	46,708	51,220	9.7	289,946	319,333	10.1
August	60,768			350,714		
September	58,764			409,478		
October	47,386			456,864		
November	50,955			507,819		
December	64,893			572,712		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Dry whey, total ⁴						
January	82,765	84,272	1.8	82,765	84,272	1.8
February	76,146	76,490	0.5	158,911	160,762	1.2
March	77,378	82,100	6.1	236,289	242,862	2.8
April	74,998	77,844	3.8	311,287	320,706	3.0
May	79,090	86,534	9.4	390,377	407,240	4.3
June	82,976	84,795	2.2	473,353	492,035	3.9
July	82,906	84,548	2.0	556,259	576,583	3.7
August	84,897			641,156		
September	90,627			731,783		
October	90,843			822,626		
November	75,111			897,737		
December	79,821			977,558		
Lactose, human and animal						
January	112,832	87,796	-22.2	112,832	87,796	-22.2
February	98,231	87,435	-11.0	211,063	175,231	-17.0
March	114,157	97,498	-14.6	325,220	272,729	-16.1
April	108,057	91,183	-15.6	433,277	363,912	-16.0
May	109,722	94,059	-14.3	542,999	457,971	-15.7
June	108,551	101,024	-6.9	651,550	558,995	-14.2
July	106,989	99,629	-6.9	758,539	658,624	-13.2
August	95,074			853,613		
September	95,488			949,101		
October	96,493			1,045,594		
November	88,375			1,133,969		
December	93,634			1,227,603		
Whey protein concentrate, total						
January	43,871	41,935	-4.4	43,871	41,935	-4.4
February	38,551	35,600	-7.7	82,422	77,535	-5.9
March	42,026	39,800	-5.3	124,448	117,335	-5.7
April	40,639	38,650	-4.9	165,087	155,985	-5.5
May	41,911	39,715	-5.2	206,998	195,700	-5.5
June	39,516	39,785	0.7	246,514	235,485	-4.5
July	39,802	38,966	-2.1	286,316	274,451	-4.1
August	39,903			326,219		
September	40,068			366,287		
October	40,672			406,959		
November	40,696			447,655		
December	43,106			490,761		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Cottage cheese, cream						
January	30,354	27,622	-9.0	30,354	27,622	-9.0
February	28,399	26,172	-7.8	58,753	53,794	-8.4
March	29,846	32,439	8.7	88,599	86,233	-2.7
April	30,945	32,946	6.5	119,544	119,179	-0.3
May	29,312	31,976	9.1	148,856	151,155	1.5
June	28,265	31,008	9.7	177,121	182,163	2.8
July	32,350	32,543	0.6	209,471	214,706	2.5
August	31,495			240,966		
September	29,488			270,454		
October	31,956			302,410		
November	27,025			329,435		
December	28,427			357,862		
Cottage cheese, lowfat						
January	29,450	26,333	-10.6	29,450	26,333	-10.6
February	26,863	24,434	-9.0	56,313	50,767	-9.8
March	27,765	27,693	-0.3	84,078	78,460	-6.7
April	29,039	28,300	-2.5	113,117	106,760	-5.6
May	27,512	25,959	-5.6	140,629	132,719	-5.6
June	25,433	25,505	0.3	166,062	158,224	-4.7
July	29,611	29,520	-0.3	195,673	187,744	-4.1
August	29,747			225,420		
September	26,427			251,847		
October	27,922			279,769		
November	24,008			303,777		
December	23,879			327,656		
Sour cream						
January	122,056	121,591	-0.4	122,056	121,591	-0.4
February	103,082	101,869	-1.2	225,138	223,460	-0.7
March	108,617	118,779	9.4	333,755	342,239	2.5
April	117,973	111,887	-5.2	451,728	454,126	0.5
May	120,332	136,118	13.1	572,060	590,244	3.2
June	111,416	121,962	9.5	683,476	712,206	4.2
July	118,403	113,834	-3.9	801,879	826,040	3.0
August	119,252			921,131		
September	111,282			1,032,413		
October	133,320			1,165,733		
November	129,785			1,295,518		
December	130,139			1,425,657		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Ice cream, regular hard						
January	53,064	52,157	-1.7	53,064	52,157	-1.7
February	53,369	52,484	-1.7	106,433	104,641	-1.7
March	65,957	63,707	-3.4	172,390	168,348	-2.3
April	64,681	63,059	-2.5	237,071	231,407	-2.4
May	67,414	64,092	-4.9	304,485	295,499	-3.0
June	64,920	71,841	10.7	369,405	367,340	-0.6
July	64,846	71,064	9.6	434,251	438,404	1.0
August	64,242			498,493		
September	58,155			556,648		
October	58,581			615,229		
November	46,927			662,156		
December	47,039			709,195		
Ice cream, lowfat total						
January	33,457	30,886	-7.7	33,457	30,886	-7.7
February	35,760	33,278	-6.9	69,217	64,164	-7.3
March	42,538	38,109	-10.4	111,755	102,273	-8.5
April	44,505	35,531	-20.2	156,260	137,804	-11.8
May	47,873	43,689	-8.7	204,133	181,493	-11.1
June	44,364	47,333	6.7	248,497	228,826	-7.9
July	43,582	46,393	6.4	292,079	275,219	-5.8
August	42,021			334,100		
September	37,206			371,306		
October	36,315			407,621		
November	29,068			436,689		
December	28,110			464,799		
Sherbet, hard						
January	2,437	2,577	5.7	2,437	2,577	5.7
February	2,700	3,021	11.9	5,137	5,598	9.0
March	3,225	3,056	-5.2	8,362	8,654	3.5
April	3,067	2,759	-10.0	11,429	11,413	-0.1
May	3,191	2,614	-18.1	14,620	14,027	-4.1
June	3,166	3,475	9.8	17,786	17,502	-1.6
July	2,795	3,095	10.7	20,581	20,597	0.1
August	2,382			22,963		
September	2,703			25,666		
October	2,445			28,111		
November	2,053			30,164		
December	2,056			32,220		

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2019 and 2020 (continued)

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

Product and month	Monthly			Cumulative		
	2019	2020	Change from 2019	2019	2020	Change from 2019
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
Yogurt, plain and flavored						
January	369,301	347,758	-5.8	369,301	347,758	-5.8
February	375,622	375,155	-0.1	744,923	722,913	-3.0
March	399,699	418,060	4.6	1,144,622	1,140,973	-0.3
April	379,341	363,628	-4.1	1,523,963	1,504,601	-1.3
May	354,516	372,064	4.9	1,878,479	1,876,665	-0.1
June	364,013	396,538	8.9	2,242,492	2,273,203	1.4
July	348,614	365,854	4.9	2,591,106	2,639,057	1.9
August	377,322			2,968,428		
September	381,495			3,349,923		
October	357,443			3,707,366		
November	319,612			4,026,978		
December	348,979			4,375,957		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January	4,081	4,032	-1.2	4,081	4,032	-1.2
February	5,761	4,160	-27.8	9,842	8,192	-16.8
March	5,691	5,577	-2.0	15,533	13,769	-11.4
April	5,083	4,762	-6.3	20,616	18,531	-10.1
May	6,491	6,038	-7.0	27,107	24,569	-9.4
June	5,641	5,344	-5.3	32,748	29,913	-8.7
July	5,722	5,654	-1.2	38,470	35,567	-7.5
August	7,963			46,433		
September	4,522			50,955		
October	4,390			55,345		
November	3,868			59,213		
December	2,916			62,129		

- 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 and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	210,588	203,628	202,482	-3.8	-0.6
Idaho	87,086	87,255	89,210	2.4	2.2
Illinois	6,699	5,419	5,532	-17.4	2.1
Iowa	26,419	29,932	29,731	12.5	-0.7
Minnesota	60,482	61,182	60,213	-0.4	-1.6
New Jersey	4,668	5,521	5,103	9.3	-7.6
New Mexico	76,696	80,629	80,240	4.6	-0.5
New York	71,964	71,387	72,024	0.1	0.9
Ohio	19,033	19,696	19,275	1.3	-2.1
Oregon	17,479	18,232	19,015	8.8	4.3
Pennsylvania	36,173	35,231	35,417	-2.1	0.5
South Dakota	28,966	35,741	36,137	24.8	1.1
Vermont	11,681	11,903	12,300	5.3	3.3
Wisconsin	277,279	282,285	280,579	1.2	-0.6
Other States ¹	152,389	163,405	159,463	4.6	-2.4
United States	1,087,602	1,111,446	1,106,721	1.8	-0.4
Atlantic	135,083	134,468	135,438	0.3	0.7
Central	493,608	516,982	511,679	3.7	-1.0
West	458,911	459,996	459,604	0.2	-0.1

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

American Cheese Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	49,627	47,659	50,069	0.9	5.1
Idaho	53,609	49,397	54,772	2.2	10.9
Iowa	17,271	17,301	19,522	13.0	12.8
Minnesota	51,617	52,096	53,510	3.7	2.7
New York	12,133	11,856	12,152	0.2	2.5
Oregon	17,385	18,113	18,890	8.7	4.3
Wisconsin	80,919	84,397	84,100	3.9	-0.4
Other States ¹	151,888	155,587	158,724	4.5	2.0
United States	434,449	436,406	451,739	4.0	3.5
Atlantic	28,092	27,281	28,016	-0.3	2.7
Central	214,916	221,172	225,090	4.7	1.8
West	191,441	187,953	198,633	3.8	5.7

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

Cheddar Cheese Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	22,668	22,654	25,817	13.9	14.0
Iowa	8,881	9,582	11,353	27.8	18.5
Minnesota	49,850	48,624	49,036	-1.6	0.8
Oregon	14,866	16,636	16,507	11.0	-0.8
Vermont	8,198	8,204	8,222	0.3	0.2
Wisconsin	56,808	58,527	59,300	4.4	1.3
Other States ¹	144,640	144,785	150,982	4.4	4.3
United States	305,911	309,012	321,217	5.0	3.9
Atlantic	26,553	25,903	26,490	-0.2	2.3
Central	155,126	153,245	154,135	-0.6	0.6
West	124,232	129,864	140,592	13.2	8.3

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

Total Italian Cheese Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	140,150	134,625	130,288	-7.0	-3.2
Idaho	26,614	32,961	28,327	6.4	-14.1
Minnesota	8,505	8,959	6,538	-23.1	-27.0
New Jersey	2,525	2,598	2,286	-9.5	-12.0
New York	28,713	28,923	28,266	-1.6	-2.3
Pennsylvania	22,650	20,921	20,181	-10.9	-3.5
Wisconsin	140,978	141,252	138,735	-1.6	-1.8
Other States ¹	93,730	106,819	102,434	9.3	-4.1
United States	463,865	477,058	457,055	-1.5	-4.2
Atlantic	57,671	56,443	54,591	-5.3	-3.3
Central	186,323	193,793	186,419	0.1	-3.8
West	219,871	226,822	216,045	-1.7	-4.8

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

Mozzarella Cheese Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	126,782	127,229	120,055	-5.3	-5.6
Idaho	26,098	32,312	27,776	6.4	-14.0
New Jersey	1,430	1,366	1,307	-8.6	-4.3
New York	15,565	13,571	15,440	-0.8	13.8
Pennsylvania	19,417	16,919	16,276	-16.2	-3.8
Wisconsin	93,080	93,565	93,100	-	-0.5
Other States ¹	85,795	97,081	94,806	10.5	-2.3
United States	368,167	382,043	368,760	0.2	-3.5
Atlantic	38,744	34,151	35,413	-8.6	3.7
Central	124,707	130,693	129,325	3.7	-1.0
West	204,716	217,199	204,022	-0.3	-6.1

- Represents zero.

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

Butter Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	45,294	49,225	52,825	16.6	7.3
New York	1,471	2,057	1,325	-9.9	-35.6
Pennsylvania	6,857	7,833	7,982	16.4	1.9
Other States ¹	97,083	91,085	89,667	-7.6	-1.6
United States	150,705	150,200	151,799	0.7	1.1
Atlantic	12,637	14,460	13,073	3.5	-9.6
Central	57,305	54,969	51,790	-9.6	-5.8
West	80,763	80,771	86,936	7.6	7.6

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

Nonfat Dry Milk (Human) Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California	57,205	48,147	64,167	12.2	33.3
Pennsylvania	15,127	13,996	15,500	2.5	10.7
Other States ¹	99,997	84,991	83,779	-16.2	-1.4
United States	172,329	147,134	163,446	-5.2	11.1
Atlantic	28,929	29,515	28,271	-2.3	-4.2
Central	37,544	37,989	35,513	-5.4	-6.5
West	105,856	79,630	99,662	-5.9	25.2

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

Dry Whey (Human) Production – States and United States: July 2019 and 2020

State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York	11,758	11,260	11,988	2.0	6.5
Wisconsin	23,521	25,889	23,111	-1.7	-10.7
Other States ¹	45,613	46,391	47,547	4.2	2.5
United States	80,892	83,540	82,646	2.2	-1.1
Atlantic	23,396	21,204	21,341	-8.8	0.6
Central	35,938	42,126	39,697	10.5	-5.8
West	21,558	20,210	21,608	0.2	6.9

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

Ice Cream, Regular (Hard) Production – States and United States: July 2019 and 2020

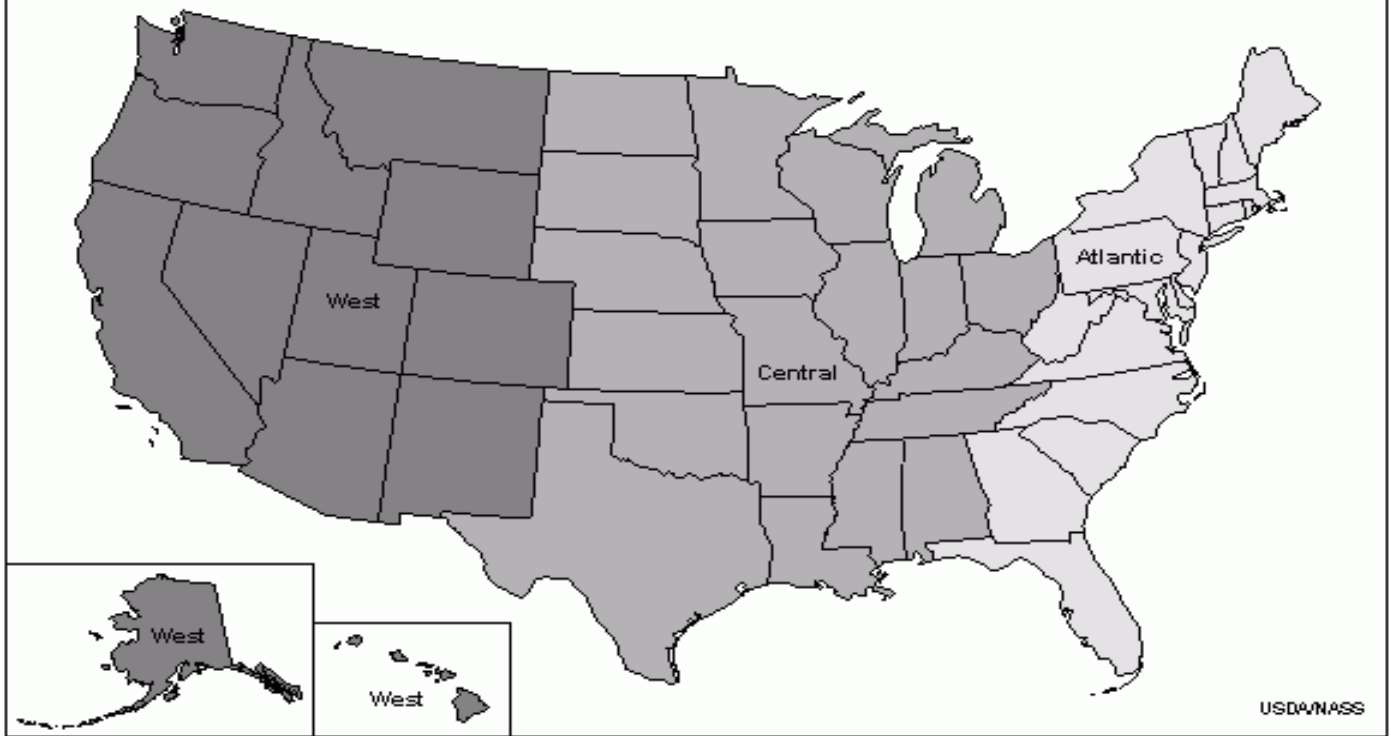
State	July 2019	June 2020	July 2020	Change from	
				July 2019	June 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California	5,790	7,090	6,808	17.6	-4.0
Connecticut	1,176	1,255	1,310	11.4	4.4
Missouri	2,801	2,877	2,760	-1.5	-4.1
New Jersey ¹	105	(NA)	(NA)	(NA)	(NA)
New York	2,536	2,059	2,318	-8.6	12.6
Ohio	2,874	2,885	2,898	0.8	0.5
Oregon	1,398	1,582	1,697	21.4	7.3
Pennsylvania	3,913	3,528	3,860	-1.4	9.4
Tennessee	1,924	2,000	2,205	14.6	10.3
Utah	1,671	2,288	2,270	35.8	-0.8
Wisconsin	1,373	710	817	-40.5	15.1
Other States ²	39,285	45,567	44,121	12.3	-3.2
United States	64,846	71,841	71,064	9.6	-1.1
Atlantic	14,478	14,421	15,669	8.2	8.7
Central	39,155	44,456	42,311	8.1	-4.8
West	11,213	12,964	13,084	16.7	0.9

(NA) Not available.

¹ Included in Other States in 2020.

² 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 2019, there were 1,266 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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Suzanne Richards – Dairy Products	(202) 720-4448
Seth Riggins – Hogs and Pigs	(202) 720-3106

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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