



# Dairy Products

ISSN: 1949-0399

---

Released September 4, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## July 2019 Highlights

**Total cheese** output (excluding cottage cheese) was 1.09 billion pounds, 0.5 percent above July 2018 and 2.3 percent above June 2019.

**Italian type cheese** production totaled 466 million pounds, 0.7 percent above July 2018 and 0.6 percent above June 2019.

**American type cheese** production totaled 436 million pounds, 1.1 percent below July 2018 but 2.2 percent above June 2019.

**Butter** production was 143 million pounds, 6.0 percent above July 2018 but 1.5 percent below June 2019.

### **Dry milk products** (comparisons in percentage with July 2018)

Nonfat dry milk, human - 169 million pounds, up 12.4 percent.

Skim milk powder - 36.7 million pounds, down 22.7 percent.

### **Whey products** (comparisons in percentage with July 2018)

Dry whey, total - 82.1 million pounds, down 8.9 percent.

Lactose, human and animal - 108 million pounds, up 9.1 percent.

Whey protein concentrate, total - 39.8 million pounds, down 2.6 percent.

### **Frozen products** (comparisons in percentage with July 2018)

Ice cream, regular (hard) - 66.1 million gallons, down 4.2 percent.

Ice cream, lowfat (total) - 45.5 million gallons, up 7.4 percent.

Sherbet (hard) - 2.96 million gallons, down 6.0 percent.

Frozen yogurt (total) - 2.55 million gallons, down 40.2 percent.

## Contents

Dairy Products Production by Product – United States: July 2018 and 2019 .....	3
Whey and Modified Whey Products Production, Stocks, and Prices – United States: July 2018 and 2019.....	4
Condensed and Dry Milk Products Production, Stocks, and Shipments – United States: July 2018 and 2019.....	5
Dairy Products Production by Product and Month – United States: 2018 and 2019 .....	6
Total Cheese Production Excluding Cottage Cheese – States and United States: July 2018 and 2019.....	13
American Cheese Production – States and United States: July 2018 and 2019.....	14
Cheddar Cheese Production – States and United States: July 2018 and 2019 .....	14
Total Italian Cheese Production – States and United States: July 2018 and 2019 .....	15
Mozzarella Cheese Production – States and United States: July 2018 and 2019.....	15
Butter Production – States and United States: July 2018 and 2019 .....	16
Nonfat Dry Milk (Human) Production – States and United States: July 2018 and 2019.....	16
Dry Whey (Human) Production – States and United States: July 2018 and 2019 .....	17
Ice Cream, Regular (Hard) Production – States and United States: July 2018 and 2019 .....	17
Dairy Products Regions.....	18
Statistical Methodology.....	19
Information Contacts.....	20

## Dairy Products Production by Product – United States: July 2018 and 2019

Product	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	134,564	144,801	142,687	6.0	-1.5
<b>Cheese</b>					
American types <sup>1</sup> .....	440,937	426,627	436,128	-1.1	2.2
Cheddar .....	325,217	307,127	307,378	-5.5	0.1
Other American types .....	115,720	119,500	128,750	11.3	7.7
Blue and Gorgonzola .....	7,890	8,453	8,251	4.6	-2.4
Brick and Muenster .....	18,153	16,809	17,571	-3.2	4.5
Cream and Neufchatel .....	73,530	70,874	80,175	9.0	13.1
Feta .....	12,603	11,915	12,759	1.2	7.1
Gouda .....	5,509	3,360	3,830	-30.5	14.0
Hispanic .....	24,709	25,797	26,443	7.0	2.5
Italian types .....	462,769	462,859	465,852	0.7	0.6
Mozzarella .....	367,437	371,007	370,303	0.8	-0.2
Parmesan .....	32,003	32,947	33,857	5.8	2.8
Provolone .....	34,606	31,449	33,065	-4.5	5.1
Ricotta .....	17,463	16,733	17,705	1.4	5.8
Romano .....	5,176	4,742	4,425	-14.5	-6.7
Other Italian types .....	6,084	5,981	6,497	6.8	8.6
Swiss .....	28,195	28,282	29,045	3.0	2.7
All other types .....	12,802	12,407	12,068	-5.7	-2.7
Total cheese <sup>2</sup> .....	1,087,097	1,067,383	1,092,122	0.5	2.3
Cottage cheese, curd <sup>3</sup> .....	34,706	32,402	37,075	6.8	14.4
Cottage cheese, cream <sup>4</sup> .....	30,114	28,754	31,798	5.6	10.6
Cottage cheese, lowfat <sup>5</sup> .....	29,296	25,769	30,082	2.7	16.7
Sour cream .....	109,820	111,628	118,117	7.6	5.8
Yogurt, plain and flavored .....	360,886	360,060	350,502	-2.9	-2.7
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	68,966	66,462	66,081	-4.2	-0.6
Ice cream, lowfat, hard .....	18,368	21,521	20,548	11.9	-4.5
Ice cream, lowfat, soft .....	23,965	24,058	24,927	4.0	3.6
Ice cream, lowfat, total <sup>6</sup> .....	42,333	45,579	45,475	7.4	-0.2
Ice cream, nonfat, hard .....	564	711	506	-10.3	-28.8
Sherbet, hard .....	3,151	3,346	2,961	-6.0	-11.5
Frozen yogurt, total .....	4,258	2,936	2,548	-40.2	-13.2
Regular and lowfat, hard .....	1,515	1,274	1,191	-21.4	-6.5
Nonfat, hard .....	391	605	532	36.1	-12.1
Other frozen dairy products .....	2,507	1,986	1,571	-37.3	-20.9
Water and juice ices .....	6,964	7,297	7,343	5.4	0.6
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	43,520	41,425	42,759	-1.7	3.2
Ice cream, lowfat, mix <sup>7</sup> .....	26,175	25,733	25,741	-1.7	-
Ice cream, nonfat, mix .....	480	477	372	-22.5	-22.0
Sherbet mix .....	2,073	2,191	2,022	-2.5	-7.7
Yogurt mix .....	2,560	3,017	2,536	-0.9	-15.9

- Represents zero.

<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:  
July 2018 and 2019**

Product	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	8,319	7,725	7,343	-11.7	-4.9
Dry whey products					
Dry whey, human .....	87,882	81,722	80,112	-8.8	-2.0
Dry whey, animal .....	2,289	1,254	2,013	-12.1	60.5
Dry whey, total .....	90,171	82,976	82,125	-8.9	-1.0
Reduced lactose and minerals					
Human .....	1,337	1,696	1,736	29.8	2.4
Animal .....	3,288	2,921	3,033	-7.8	3.8
Whey protein concentrate					
Human <sup>2</sup> .....	40,499	38,512	38,464	-5.0	-0.1
Animal <sup>2</sup> .....	378	679	1,330	251.9	95.9
Total <sup>2</sup> .....	40,877	39,191	39,794	-2.6	1.5
25.0-49.9 percent <sup>3</sup> .....	16,868	13,628	14,556	-13.7	6.8
50.0-89.9 percent <sup>3</sup> .....	24,009	25,563	25,238	5.1	-1.3
Whey protein isolates <sup>4</sup> .....	10,646	10,584	10,136	-4.8	-4.2
Lactose, human and animal .....	98,603	106,630	107,606	9.1	0.9
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	75,127	67,215	63,327	-15.7	-5.8
Dry whey, animal .....	2,419	1,068	2,135	-11.7	99.9
Dry whey, total .....	77,546	68,283	65,462	-15.6	-4.1
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	4,255	5,697	5,228	22.9	-8.2
Whey protein concentrate					
Human <sup>2</sup> .....	58,862	55,968	59,196	0.6	5.8
Animal <sup>2</sup> .....	1,860	1,050	968	-48.0	-7.8
Total <sup>2</sup> .....	60,722	57,018	60,164	-0.9	5.5
25.0-49.9 percent <sup>3</sup> .....	17,967	21,380	22,011	22.5	3.0
50.0-89.9 percent <sup>3</sup> .....	42,755	35,638	38,153	-10.8	7.1
Whey protein isolates <sup>4</sup> .....	26,181	18,574	18,636	-28.8	0.3
Lactose, human and animal .....	88,250	116,437	108,397	22.8	-6.9
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	20.1	21.6	24.3	4.2	2.7

<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:  
July 2018 and 2019**

Product	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	143,739	132,900	120,743	-16.0	-9.1
Dry milk products					
Dry buttermilk, total .....	7,804	8,334	9,796	25.5	17.5
Dry skim milk, animal .....	1,325	733	773	-41.7	5.5
Dry whole milk .....	8,349	13,392	8,573	2.7	-36.0
Milk protein concentrate, total <sup>1</sup> .....	9,282	19,285	8,626	-7.1	-55.3
Nonfat dry milk, human .....	150,193	155,862	168,842	12.4	8.3
Skim milk powder, total <sup>2</sup> .....	47,498	44,384	36,725	-22.7	-17.3
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	13,750	13,640	13,694	-0.4	0.4
Dry skim milk, animal .....	2,093	3,356	3,735	78.5	11.3
Dry whole milk .....	51,876	39,884	34,705	-33.1	-13.0
Nonfat dry milk, human .....	317,447	288,815	291,157	-8.3	0.8
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	120,929	136,545	165,726	37.0	21.4

<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: 2018 and 2019

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total cheese <sup>1</sup></b>						
January .....	1,098,670	1,098,353	-	1,098,670	1,098,353	-
February .....	992,824	991,346	-0.1	2,091,494	2,089,699	-0.1
March .....	1,108,022	1,120,525	1.1	3,199,516	3,210,224	0.3
April .....	1,078,148	1,086,416	0.8	4,277,664	4,296,640	0.4
May .....	1,085,249	1,109,044	2.2	5,362,913	5,405,684	0.8
June .....	1,065,989	1,067,383	0.1	6,428,902	6,473,067	0.7
July .....	1,087,097	1,092,122	0.5	7,515,999	7,565,189	0.7
August .....	1,086,966			8,602,965		
September .....	1,059,076			9,662,041		
October .....	1,154,170			10,816,211		
November .....	1,095,965			11,912,176		
December .....	1,112,411			13,024,587		
<b>Total American cheese types <sup>2</sup></b>						
January .....	448,124	439,283	-2.0	448,124	439,283	-2.0
February .....	406,189	391,027	-3.7	854,313	830,310	-2.8
March .....	443,185	440,262	-0.7	1,297,498	1,270,572	-2.1
April .....	444,287	431,588	-2.9	1,741,785	1,702,160	-2.3
May .....	442,968	443,943	0.2	2,184,753	2,146,103	-1.8
June .....	429,076	426,627	-0.6	2,613,829	2,572,730	-1.6
July .....	440,937	436,128	-1.1	3,054,766	3,008,858	-1.5
August .....	435,388			3,490,154		
September .....	424,032			3,914,186		
October .....	457,122			4,371,308		
November .....	434,185			4,805,493		
December .....	448,340			5,253,833		
<b>Cheddar cheese</b>						
January .....	331,985	323,210	-2.6	331,985	323,210	-2.6
February .....	301,256	280,816	-6.8	633,241	604,026	-4.6
March .....	320,257	312,494	-2.4	953,498	916,520	-3.9
April .....	319,153	307,591	-3.6	1,272,651	1,224,111	-3.8
May .....	318,665	321,660	0.9	1,591,316	1,545,771	-2.9
June .....	312,869	307,127	-1.8	1,904,185	1,852,898	-2.7
July .....	325,217	307,378	-5.5	2,229,402	2,160,276	-3.1
August .....	311,974			2,541,376		
September .....	297,632			2,839,008		
October .....	323,213			3,162,221		
November .....	314,170			3,476,391		
December .....	326,117			3,802,508		

See footnote(s) at end of table.

--continued

## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Total Italian cheese types</b>						
January .....	473,913	480,134	1.3	473,913	480,134	1.3
February .....	428,100	441,082	3.0	902,013	921,216	2.1
March .....	483,095	494,933	2.5	1,385,108	1,416,149	2.2
April .....	460,768	476,853	3.5	1,845,876	1,893,002	2.6
May .....	460,817	475,351	3.2	2,306,693	2,368,353	2.7
June .....	450,929	462,859	2.6	2,757,622	2,831,212	2.7
July .....	462,769	465,852	0.7	3,220,391	3,297,064	2.4
August .....	453,431			3,673,822		
September .....	450,964			4,124,786		
October .....	483,852			4,608,638		
November .....	469,207			5,077,845		
December .....	479,005			5,556,850		
<b>Mozzarella</b>						
January .....	365,563	379,627	3.8	365,563	379,627	3.8
February .....	328,591	347,234	5.7	694,154	726,861	4.7
March .....	372,712	392,018	5.2	1,066,866	1,118,879	4.9
April .....	358,320	373,667	4.3	1,425,186	1,492,546	4.7
May .....	359,072	375,667	4.6	1,784,258	1,868,213	4.7
June .....	355,249	371,007	4.4	2,139,507	2,239,220	4.7
July .....	367,437	370,303	0.8	2,506,944	2,609,523	4.1
August .....	357,346			2,864,290		
September .....	358,579			3,222,869		
October .....	381,217			3,604,086		
November .....	370,269			3,974,355		
December .....	377,006			4,351,361		
<b>Other Italian cheese types</b>						
January .....	5,549	6,750	21.6	5,549	6,750	21.6
February .....	5,689	6,076	6.8	11,238	12,826	14.1
March .....	6,417	7,328	14.2	17,655	20,154	14.2
April .....	5,909	6,567	11.1	23,564	26,721	13.4
May .....	6,671	6,330	-5.1	30,235	33,051	9.3
June .....	6,828	5,981	-12.4	37,063	39,032	5.3
July .....	6,084	6,497	6.8	43,147	45,529	5.5
August .....	6,181			49,328		
September .....	6,728			56,056		
October .....	6,257			62,313		
November .....	6,987			69,300		
December .....	6,393			75,693		

See footnote(s) at end of table.

--continued

## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Butter</b>						
January .....	182,143	189,642	4.1	182,143	189,642	4.1
February .....	167,669	164,525	-1.9	349,812	354,167	1.2
March .....	181,847	173,558	-4.6	531,659	527,725	-0.7
April .....	175,216	164,674	-6.0	706,875	692,399	-2.0
May .....	170,122	160,945	-5.4	876,997	853,344	-2.7
June .....	142,122	144,801	1.9	1,019,119	998,145	-2.1
July .....	134,564	142,687	6.0	1,153,683	1,140,832	-1.1
August .....	133,571			1,287,254		
September .....	135,041			1,422,295		
October .....	148,896			1,571,191		
November .....	149,428			1,720,619		
December .....	170,388			1,891,007		
<b>Nonfat dry milk, human</b>						
January .....	159,272	172,690	8.4	159,272	172,690	8.4
February .....	157,105	153,806	-2.1	316,377	326,496	3.2
March .....	177,980	163,944	-7.9	494,357	490,440	-0.8
April .....	169,428	165,049	-2.6	663,785	655,489	-1.2
May .....	165,670	170,687	3.0	829,455	826,176	-0.4
June .....	152,244	155,862	2.4	981,699	982,038	
July .....	150,193	168,842	12.4	1,131,892	1,150,880	1.7
August .....	129,077			1,260,969		
September .....	114,030			1,374,999		
October .....	121,595			1,496,594		
November .....	134,424			1,631,018		
December .....	142,522			1,773,540		
<b>Skim milk powder, total <sup>3</sup></b>						
January .....	44,033	39,784	-9.6	44,033	39,784	-9.6
February .....	38,034	35,630	-6.3	82,067	75,414	-8.1
March .....	42,066	46,677	11.0	124,133	122,091	-1.6
April .....	49,457	45,014	-9.0	173,590	167,105	-3.7
May .....	50,374	25,169	-50.0	223,964	192,274	-14.1
June .....	59,439	44,384	-25.3	283,403	236,658	-16.5
July .....	47,498	36,725	-22.7	330,901	273,383	-17.4
August .....	47,558			378,459		
September .....	46,694			425,153		
October .....	48,580			473,733		
November .....	42,455			516,188		
December .....	50,316			566,504		

See footnote(s) at end of table.

--continued



## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Dry whey, total <sup>4</sup></b>						
January .....	90,569	81,202	-10.3	90,569	81,202	-10.3
February .....	89,431	74,948	-16.2	180,000	156,150	-13.3
March .....	91,368	76,372	-16.4	271,368	232,522	-14.3
April .....	85,731	74,997	-12.5	357,099	307,519	-13.9
May .....	85,904	79,483	-7.5	443,003	387,002	-12.6
June .....	86,603	82,976	-4.2	529,606	469,978	-11.3
July .....	90,171	82,125	-8.9	619,777	552,103	-10.9
August .....	78,814			698,591		
September .....	69,951			768,542		
October .....	84,003			852,545		
November .....	72,306			924,851		
December .....	74,505			999,356		
<b>Lactose, human and animal</b>						
January .....	94,822	111,586	17.7	94,822	111,586	17.7
February .....	86,232	98,080	13.7	181,054	209,666	15.8
March .....	100,861	114,527	13.5	281,915	324,193	15.0
April .....	93,472	108,038	15.6	375,387	432,231	15.1
May .....	96,204	109,247	13.6	471,591	541,478	14.8
June .....	95,874	106,630	11.2	567,465	648,108	14.2
July .....	98,603	107,606	9.1	666,068	755,714	13.5
August .....	97,273			763,341		
September .....	91,391			854,732		
October .....	90,025			944,757		
November .....	103,137			1,047,894		
December .....	110,406			1,158,300		
<b>Whey protein concentrate, total</b>						
January .....	44,257	43,170	-2.5	44,257	43,170	-2.5
February .....	41,182	39,295	-4.6	85,439	82,465	-3.5
March .....	50,463	42,769	-15.2	135,902	125,234	-7.8
April .....	41,887	40,729	-2.8	177,789	165,963	-6.7
May .....	42,424	41,126	-3.1	220,213	207,089	-6.0
June .....	41,001	39,191	-4.4	261,214	246,280	-5.7
July .....	40,877	39,794	-2.6	302,091	286,074	-5.3
August .....	42,856			344,947		
September .....	41,991			386,938		
October .....	42,392			429,330		
November .....	40,919			470,249		
December .....	43,722			513,971		

See footnote(s) at end of table.

--continued

## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Cottage cheese, cream</b>						
January .....	27,933	28,322	1.4	27,933	28,322	1.4
February .....	27,261	26,094	-4.3	55,194	54,416	-1.4
March .....	32,655	30,228	-7.4	87,849	84,644	-3.6
April .....	29,410	31,141	5.9	117,259	115,785	-1.3
May .....	32,320	29,580	-8.5	149,579	145,365	-2.8
June .....	31,006	28,754	-7.3	180,585	174,119	-3.6
July .....	30,114	31,798	5.6	210,699	205,917	-2.3
August .....	31,920			242,619		
September .....	27,141			269,760		
October .....	29,828			299,588		
November .....	27,051			326,639		
December .....	26,146			352,785		
<b>Cottage cheese, lowfat</b>						
January .....	29,299	28,134	-4.0	29,299	28,134	-4.0
February .....	27,577	25,374	-8.0	56,876	53,508	-5.9
March .....	31,340	28,122	-10.3	88,216	81,630	-7.5
April .....	29,982	29,221	-2.5	118,198	110,851	-6.2
May .....	31,476	27,653	-12.1	149,674	138,504	-7.5
June .....	28,321	25,769	-9.0	177,995	164,273	-7.7
July .....	29,296	30,082	2.7	207,291	194,355	-6.2
August .....	29,342			236,633		
September .....	26,943			263,576		
October .....	28,706			292,282		
November .....	25,181			317,463		
December .....	24,621			342,084		
<b>Sour cream</b>						
January .....	120,265	120,975	0.6	120,265	120,975	0.6
February .....	98,965	100,923	2.0	219,230	221,898	1.2
March .....	116,365	108,829	-6.5	335,595	330,727	-1.5
April .....	111,335	117,612	5.6	446,930	448,339	0.3
May .....	119,221	121,142	1.6	566,151	569,481	0.6
June .....	114,106	111,628	-2.2	680,257	681,109	0.1
July .....	109,820	118,117	7.6	790,077	799,226	1.2
August .....	119,327			909,404		
September .....	107,914			1,017,318		
October .....	128,883			1,146,201		
November .....	130,767			1,276,968		
December .....	126,443			1,403,411		

See footnote(s) at end of table.

--continued

## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Ice cream, regular hard</b>						
January .....	53,684	53,551	-0.2	53,684	53,551	-0.2
February .....	55,447	52,120	-6.0	109,131	105,671	-3.2
March .....	63,553	65,449	3.0	172,684	171,120	-0.9
April .....	62,821	64,091	2.0	235,505	235,211	-0.1
May .....	64,551	64,194	-0.6	300,056	299,405	-0.2
June .....	70,263	66,462	-5.4	370,319	365,867	-1.2
July .....	68,966	66,081	-4.2	439,285	431,948	-1.7
August .....	70,111			509,396		
September .....	56,601			565,997		
October .....	60,610			626,607		
November .....	48,070			674,677		
December .....	43,855			718,532		
<b>Ice cream, lowfat total</b>						
January .....	32,568	31,559	-3.1	32,568	31,559	-3.1
February .....	34,823	32,235	-7.4	67,391	63,794	-5.3
March .....	41,108	41,611	1.2	108,499	105,405	-2.9
April .....	40,800	44,487	9.0	149,299	149,892	0.4
May .....	42,471	48,594	14.4	191,770	198,486	3.5
June .....	45,471	45,579	0.2	237,241	244,065	2.9
July .....	42,333	45,475	7.4	279,574	289,540	3.6
August .....	41,742			321,316		
September .....	34,907			356,223		
October .....	36,607			392,830		
November .....	30,121			422,951		
December .....	28,152			451,103		
<b>Sherbet, hard</b>						
January .....	2,858	2,551	-10.7	2,858	2,551	-10.7
February .....	3,112	2,653	-14.7	5,970	5,204	-12.8
March .....	3,368	3,502	4.0	9,338	8,706	-6.8
April .....	3,578	3,236	-9.6	12,916	11,942	-7.5
May .....	3,513	3,294	-6.2	16,429	15,236	-7.3
June .....	3,563	3,346	-6.1	19,992	18,582	-7.1
July .....	3,151	2,961	-6.0	23,143	21,543	-6.9
August .....	3,255			26,398		
September .....	3,084			29,482		
October .....	2,978			32,460		
November .....	2,341			34,801		
December .....	2,100			36,901		

See footnote(s) at end of table.

--continued

## Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

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

Product and month	Monthly			Cumulative		
	2018	2019	Change from 2018	2018	2019	Change from 2018
	(1,000 pounds)	(1,000 pounds)	(percent)	(1,000 pounds)	(1,000 pounds)	(percent)
<b>Yogurt, plain and flavored</b>						
January .....	372,015	360,050	-3.2	372,015	360,050	-3.2
February .....	376,710	365,389	-3.0	748,725	725,439	-3.1
March .....	389,848	390,607	0.2	1,138,573	1,116,046	-2.0
April .....	358,160	371,640	3.8	1,496,733	1,487,686	-0.6
May .....	373,431	347,538	-6.9	1,870,164	1,835,224	-1.9
June .....	373,079	360,060	-3.5	2,243,243	2,195,284	-2.1
July .....	360,886	350,502	-2.9	2,604,129	2,545,786	-2.2
August .....	396,296			3,000,425		
September .....	369,989			3,370,414		
October .....	363,128			3,733,542		
November .....	310,848			4,044,390		
December .....	343,698			4,388,088		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
<b>Frozen yogurt, total</b>						
January .....	4,054	5,145	26.9	4,054	5,145	26.9
February .....	4,094	4,500	9.9	8,148	9,645	18.4
March .....	5,495	4,750	-13.6	13,643	14,395	5.5
April .....	5,212	4,896	-6.1	18,855	19,291	2.3
May .....	4,880	4,673	-4.2	23,735	23,964	1.0
June .....	5,089	2,936	-42.3	28,824	26,900	-6.7
July .....	4,258	2,548	-40.2	33,082	29,448	-11.0
August .....	4,005			37,087		
September .....	3,622			40,709		
October .....	3,124			43,833		
November .....	3,261			47,094		
December .....	3,133			50,227		

- Represents zero.

<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 and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	211,193	202,681	210,267	-0.4	3.7
Idaho .....	85,668	86,131	87,148	1.7	1.2
Illinois .....	7,026	7,130	6,663	-5.2	-6.5
Iowa .....	25,371	26,356	26,385	4.0	0.1
Minnesota .....	60,888	61,203	60,573	-0.5	-1.0
New Jersey .....	4,874	4,304	5,399	10.8	25.4
New Mexico .....	75,203	76,984	76,697	2.0	-0.4
Ohio .....	19,563	18,174	19,057	-2.6	4.9
Oregon .....	17,241	17,200	17,487	1.4	1.7
Pennsylvania .....	34,338	36,811	35,408	3.1	-3.8
South Dakota .....	23,860	27,704	28,699	20.3	3.6
Vermont .....	11,766	11,376	11,672	-0.8	2.6
Wisconsin .....	288,393	277,081	282,235	-2.1	1.9
Other States <sup>1</sup> .....	221,713	214,248	224,432	1.2	4.8
United States .....	1,087,097	1,067,383	1,092,122	0.5	2.3
Atlantic .....	130,463	128,851	134,007	2.7	4.0
Central .....	497,385	491,444	499,433	0.4	1.6
West .....	459,249	447,088	458,682	-0.1	2.6

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

### American Cheese Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	52,915	49,098	49,627	-6.2	1.1
Idaho .....	54,107	51,507	53,610	-0.9	4.1
Iowa .....	15,880	16,712	17,150	8.0	2.6
Minnesota .....	53,343	51,594	51,624	-3.2	0.1
Oregon .....	17,155	17,131	17,396	1.4	1.5
Wisconsin .....	85,353	81,987	82,800	-3.0	1.0
Other States <sup>1</sup> .....	162,184	158,598	163,921	1.1	3.4
United States .....	440,937	426,627	436,128	-1.1	2.2
Atlantic .....	27,253	28,218	27,715	1.7	-1.8
Central .....	220,499	212,268	216,960	-1.6	2.2
West .....	193,185	186,141	191,453	-0.9	2.9

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

### Cheddar Cheese Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	26,767	26,063	22,668	-15.3	-13.0
Idaho .....	43,299	38,421	36,886	-14.8	-4.0
Iowa .....	11,673	8,548	8,789	-24.7	2.8
Minnesota .....	51,274	50,271	50,297	-1.9	0.1
Oregon .....	14,455	15,169	14,876	2.9	-1.9
Vermont .....	8,228	8,062	8,204	-0.3	1.8
Wisconsin .....	58,995	57,870	57,800	-2.0	-0.1
Other States <sup>1</sup> .....	110,526	102,723	107,858	-2.4	5.0
United States .....	325,217	307,127	307,378	-5.5	0.1
Atlantic .....	25,841	26,610	26,187	1.3	-1.6
Central .....	162,782	154,734	156,948	-3.6	1.4
West .....	136,594	125,783	124,243	-9.0	-1.2

<sup>1</sup> 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 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	137,549	134,919	139,831	1.7	3.6
Idaho .....	24,741	28,783	26,613	7.6	-7.5
Minnesota .....	7,332	9,287	8,540	16.5	-8.0
Pennsylvania .....	21,941	22,377	22,647	3.2	1.2
Wisconsin .....	146,324	141,821	141,484	-3.3	-0.2
Other States <sup>1</sup> .....	124,882	125,672	126,737	1.5	0.8
United States .....	462,769	462,859	465,852	0.7	0.6
Atlantic .....	58,044	57,607	58,456	0.7	1.5
Central .....	186,256	187,907	187,844	0.9	-
West .....	218,469	217,345	219,552	0.5	1.0

- Represents zero.

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

## Mozzarella Cheese Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	123,506	125,081	126,810	2.7	1.4
Idaho .....	23,875	28,036	26,098	9.3	-6.9
Pennsylvania .....	19,049	18,962	19,413	1.9	2.4
Wisconsin .....	99,141	95,332	94,000	-5.2	-1.4
Other States <sup>1</sup> .....	101,866	103,596	103,982	2.1	0.4
United States .....	367,437	371,007	370,303	0.8	-0.2
Atlantic .....	39,438	39,327	39,526	0.2	0.5
Central .....	125,595	126,399	126,032	0.3	-0.3
West .....	202,404	205,281	204,745	1.2	-0.3

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

### Butter Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	42,726	45,460	45,107	5.6	-0.8
Pennsylvania .....	6,902	6,895	6,856	-0.7	-0.6
Other States <sup>1</sup> .....	84,936	92,446	90,724	6.8	-1.9
United States .....	134,564	144,801	142,687	6.0	-1.5
Atlantic .....	12,167	14,843	12,667	4.1	-14.7
Central .....	51,902	56,036	54,833	5.6	-2.1
West .....	70,495	73,922	75,187	6.7	1.7

<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 and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	37,937	44,468	57,205	50.8	28.6
Pennsylvania .....	16,993	16,344	15,129	-11.0	-7.4
Other States <sup>1</sup> .....	95,263	95,050	96,508	1.3	1.5
United States .....	150,193	155,862	168,842	12.4	8.3
Atlantic .....	34,223	36,262	31,547	-7.8	-13.0
Central .....	29,591	30,144	31,441	6.3	4.3
West .....	86,379	89,456	105,854	22.5	18.3

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



## Dry Whey (Human) Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin .....	25,487	26,049	23,521	-7.7	-9.7
Other States <sup>1</sup> .....	62,395	55,673	56,591	-9.3	1.6
United States .....	87,882	81,722	80,112	-8.8	-2.0
Atlantic .....	22,253	22,552	23,396	5.1	3.7
Central .....	36,613	37,548	35,158	-4.0	-6.4
West .....	29,016	21,622	21,558	-25.7	-0.3

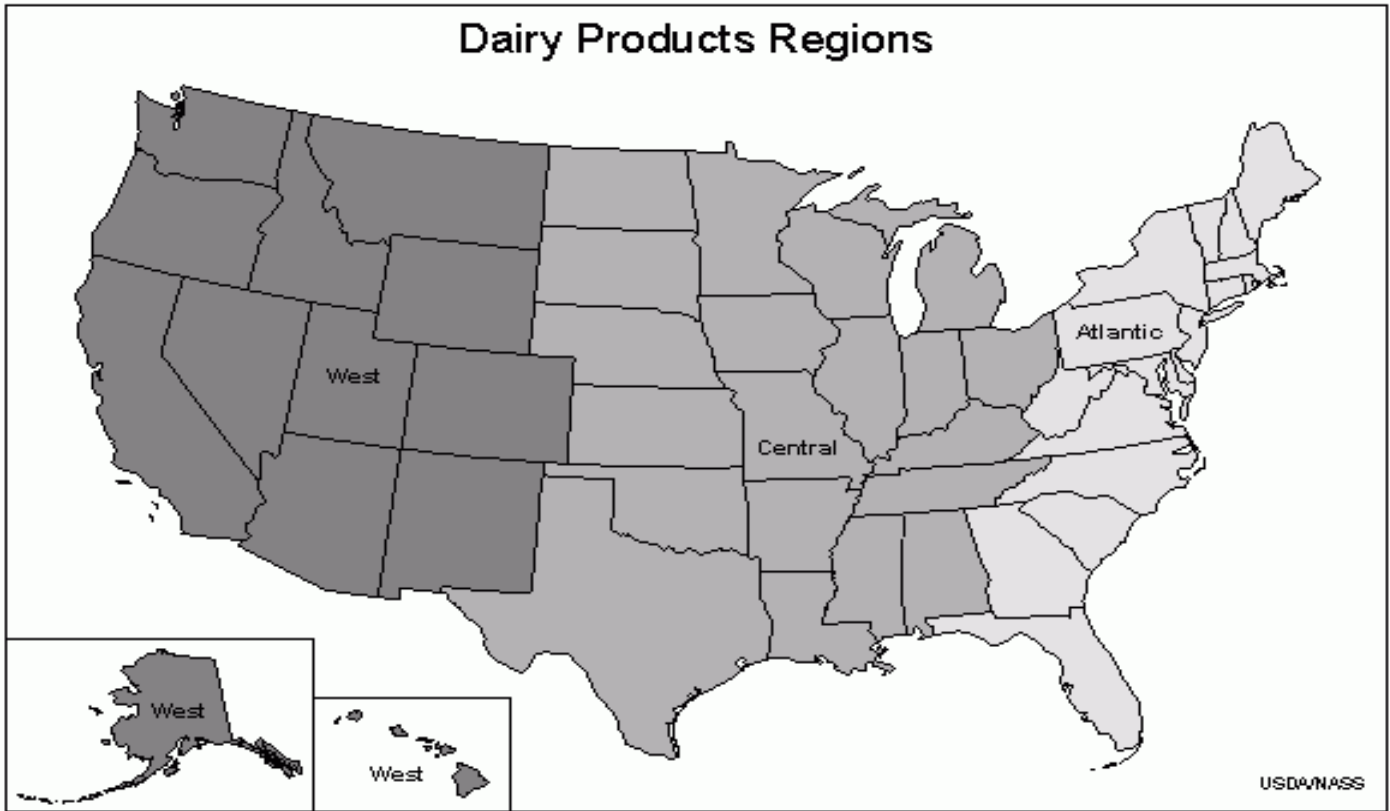
<sup>1</sup> States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

## Ice Cream, Regular (Hard) Production – States and United States: July 2018 and 2019

State	July 2018	June 2019	July 2019	Change from	
				July 2018	June 2019
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	7,389	6,562	6,968	-5.7	6.2
Connecticut .....	1,048	1,051	1,166	11.3	10.9
Missouri .....	3,308	3,335	2,765	-16.4	-17.1
Ohio .....	2,831	2,443	2,815	-0.6	15.2
Oregon .....	1,450	1,261	1,408	-2.9	11.7
Pennsylvania .....	3,530	3,412	3,620	2.5	6.1
Tennessee .....	1,975	1,753	2,103	6.5	20.0
Utah .....	2,839	2,050	1,670	-41.2	-18.5
Other States <sup>1</sup> .....	44,596	44,595	43,566	-2.3	-2.3
United States .....	68,966	66,462	66,081	-4.2	-0.6
Atlantic .....	14,761	13,702	14,430	-2.2	5.3
Central .....	40,379	40,762	39,255	-2.8	-3.7
West .....	13,826	11,998	12,396	-10.3	3.3

<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 2018, there were 1,273 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) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Donnie Fike – Dairy Products .....	(202) 720-4448
Heidi Lanouette – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
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](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@nass.usda.gov](mailto:nass@nass.usda.gov).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer](http://www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).