



# Dairy Products

ISSN: 1949-0399

---

Released April 3, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## February 2019 Highlights

**Total cheese** output (excluding cottage cheese) was 991 million pounds, 0.5 percent above February 2018 but 9.7 percent below January 2019.

**Italian type cheese** production totaled 440 million pounds, 3.3 percent above February 2018 but 8.3 percent below January 2019.

**American type cheese** production totaled 394 million pounds, 0.9 percent below February 2018 and 10.4 percent below January 2019.

**Butter** production was 165 million pounds, 2.9 percent below February 2018 and 12.9 percent below January 2019.

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

Nonfat dry milk, human - 154 million pounds, down 2.6 percent.

Skim milk powder - 35.8 million pounds, down 4.8 percent.

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

Dry whey, total - 74.9 million pounds, down 16.4 percent.

Lactose, human and animal - 98.8 million pounds, up 14.5 percent.

Whey protein concentrate, total - 39.1 million pounds, down 0.9 percent.

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

Ice cream, regular (hard) - 51.1 million gallons, down 7.7 percent.

Ice cream, lowfat (total) - 32.3 million gallons, down 4.7 percent.

Sherbet (hard) - 2.59 million gallons, down 13.5 percent.

Frozen yogurt (total) - 4.55 million gallons, down 1.6 percent.

## Contents

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

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

Product	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	170,116	189,642	165,220	-2.9	-12.9
<b>Cheese</b>					
American types <sup>1</sup> .....	397,364	439,283	393,606	-0.9	-10.4
Cheddar .....	293,255	323,210	280,624	-4.3	-13.2
Other American types .....	104,109	116,073	112,982	8.5	-2.7
Blue and Gorgonzola .....	7,023	7,522	6,306	-10.2	-16.2
Brick and Muenster .....	14,108	17,987	13,840	-1.9	-23.1
Cream and Neufchatel .....	66,389	72,842	60,196	-9.3	-17.4
Feta .....	9,463	9,763	9,206	-2.7	-5.7
Gouda .....	4,662	5,439	2,633	-43.5	-51.6
Hispanic .....	20,953	23,433	27,104	29.4	15.7
Italian types .....	426,472	480,134	440,459	3.3	-8.3
Mozzarella .....	327,413	379,627	348,117	6.3	-8.3
Parmesan .....	38,608	37,840	34,965	-9.4	-7.6
Provolone .....	29,276	30,472	28,927	-1.2	-5.1
Ricotta .....	20,791	21,577	18,578	-10.6	-13.9
Romano .....	4,704	3,868	3,838	-18.4	-0.8
Other Italian types .....	5,680	6,750	6,034	6.2	-10.6
Swiss .....	26,038	29,913	26,584	2.1	-11.1
All other types .....	13,497	12,037	11,435	-15.3	-5.0
<b>Total cheese</b> <sup>2</sup> .....	<b>985,969</b>	<b>1,098,353</b>	<b>991,369</b>	<b>0.5</b>	<b>-9.7</b>
Cottage cheese, curd <sup>3</sup> .....	28,064	32,575	30,268	7.9	-7.1
Cottage cheese, cream <sup>4</sup> .....	26,932	28,322	26,094	-3.1	-7.9
Cottage cheese, lowfat <sup>5</sup> .....	27,567	28,134	25,377	-7.9	-9.8
Sour cream .....	98,994	120,975	100,892	1.9	-16.6
Yogurt, plain and flavored .....	375,716	360,050	359,243	-4.4	-0.2
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	55,411	53,551	51,142	-7.7	-4.5
Ice cream, lowfat, hard .....	18,912	15,999	17,915	-5.3	12.0
Ice cream, lowfat, soft .....	14,937	15,560	14,355	-3.9	-7.7
Ice cream, lowfat, total <sup>6</sup> .....	33,849	31,559	32,270	-4.7	2.3
Ice cream, nonfat, hard .....	727	538	554	-23.8	3.0
Sherbet, hard .....	2,995	2,551	2,591	-13.5	1.6
Frozen yogurt, total .....	4,624	5,145	4,552	-1.6	-11.5
Regular and lowfat, hard .....	1,187	1,562	1,231	3.7	-21.2
Nonfat, hard .....	537	1,175	464	-13.6	-60.5
Other frozen dairy products .....	1,717	1,704	1,309	-23.8	-23.2
Water and juice ices .....	5,218	4,022	4,870	-6.7	21.1
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	33,358	34,932	30,051	-9.9	-14.0
Ice cream, lowfat, mix <sup>7</sup> .....	18,898	17,738	18,025	-4.6	1.6
Ice cream, nonfat, mix .....	594	619	715	20.4	15.5
Sherbet mix .....	2,030	1,665	1,840	-9.4	10.5
Yogurt mix .....	2,622	2,221	2,456	-6.3	10.6

<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:  
February 2018 and 2019**

Product	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	6,691	7,946	7,684	14.8	-3.3
Dry whey products					
Dry whey, human .....	88,836	79,703	73,675	-17.1	-7.6
Dry whey, animal .....	763	1,499	1,273	66.8	-15.1
Dry whey, total .....	89,599	81,202	74,948	-16.4	-7.7
Reduced lactose and minerals					
Human .....	1,413	1,837	1,494	5.7	-18.7
Animal .....	2,633	3,321	2,998	13.9	-9.7
Whey protein concentrate					
Human <sup>2</sup> .....	39,054	41,675	38,111	-2.4	-8.6
Animal <sup>2</sup> .....	337	1,495	939	178.6	-37.2
Total <sup>2</sup> .....	39,391	43,170	39,050	-0.9	-9.5
25.0-49.9 percent <sup>3</sup> .....	13,530	17,935	14,658	8.3	-18.3
50.0-89.9 percent <sup>3</sup> .....	25,861	25,235	24,392	-5.7	-3.3
Whey protein isolates <sup>4</sup> .....	8,498	11,737	9,121	7.3	-22.3
Lactose, human and animal .....	86,294	111,586	98,800	14.5	-11.5
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	86,894	78,721	85,948	-1.1	9.2
Dry whey, animal .....	1,443	706	707	-51.0	0.1
Dry whey, total .....	88,337	79,427	86,655	-1.9	9.1
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	4,402	4,433	4,657	5.8	5.1
Whey protein concentrate					
Human <sup>2</sup> .....	80,033	61,308	61,396	-23.3	0.1
Animal <sup>2</sup> .....	743	1,335	973	31.0	-27.1
Total <sup>2</sup> .....	80,776	62,643	62,369	-22.8	-0.4
25.0-49.9 percent <sup>3</sup> .....	25,755	27,575	26,590	3.2	-3.6
50.0-89.9 percent <sup>3</sup> .....	55,021	35,068	35,779	-35.0	2.0
Whey protein isolates <sup>4</sup> .....	27,894	22,772	21,510	-22.9	-5.5
Lactose, human and animal .....	117,131	107,692	105,706	-9.8	-1.8
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	14.8	27.6	15.9	1.1	-11.7

<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:  
February 2018 and 2019**

Product	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	113,576	120,368	115,833	2.0	-3.8
Dry milk products					
Dry buttermilk, total .....	11,511	13,189	9,335	-18.9	-29.2
Dry skim milk, animal .....	1,553	560	558	-64.1	-0.4
Dry whole milk .....	19,441	12,504	9,335	-52.0	-25.3
Milk protein concentrate, total <sup>1</sup> .....	10,210	12,019	14,068	37.8	17.0
Nonfat dry milk, human .....	157,833	172,690	153,715	-2.6	-11.0
Skim milk powder, total <sup>2</sup> .....	37,666	39,784	35,849	-4.8	-9.9
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	25,453	20,713	20,097	-21.0	-3.0
Dry skim milk, animal .....	2,949	3,390	3,739	26.8	10.3
Dry whole milk .....	37,328	17,772	18,164	-51.3	2.2
Nonfat dry milk, human .....	298,413	286,374	308,934	3.5	7.9
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	146,587	154,575	125,686	-14.3	-18.7

<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 .....	1,096,520	1,098,353	0.2	1,096,520	1,098,353	0.2
February .....	985,969	991,369	0.5	2,082,489	2,089,722	0.3
March .....	1,108,389			3,190,878		
April .....	1,073,438			4,264,316		
May .....	1,084,611			5,348,927		
June .....	1,062,520			6,411,447		
July .....	1,082,772			7,494,219		
August .....	1,078,404			8,572,623		
September .....	1,054,470			9,627,093		
October .....	1,129,891			10,756,984		
November .....	642,699			11,399,683		
December .....	1,092,970			12,492,653		
<b>Total American cheese types <sup>2</sup></b>						
January .....	433,670	439,283	1.3	433,670	439,283	1.3
February .....	397,364	393,606	-0.9	831,034	832,889	0.2
March .....	443,491			1,274,525		
April .....	443,257			1,717,782		
May .....	443,503			2,161,285		
June .....	429,895			2,591,180		
July .....	440,653			3,031,833		
August .....	426,427			3,458,260		
September .....	417,313			3,875,573		
October .....	438,187			4,313,760		
November .....	250,206			4,563,966		
December .....	425,245			4,989,211		
<b>Cheddar cheese</b>						
January .....	318,254	323,210	1.6	318,254	323,210	1.6
February .....	293,255	280,624	-4.3	611,509	603,834	-1.3
March .....	321,144			932,653		
April .....	318,849			1,251,502		
May .....	319,684			1,571,186		
June .....	313,351			1,884,537		
July .....	326,370			2,210,907		
August .....	303,563			2,514,470		
September .....	290,846			2,805,316		
October .....	307,510			3,112,826		
November .....	169,636			3,282,462		
December .....	306,902			3,589,364		

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 .....	474,348	480,134	1.2	474,348	480,134	1.2
February .....	426,472	440,459	3.3	900,820	920,593	2.2
March .....	481,404			1,382,224		
April .....	455,198			1,837,422		
May .....	457,691			2,295,113		
June .....	449,219			2,744,332		
July .....	463,547			3,207,879		
August .....	455,993			3,663,872		
September .....	450,871			4,114,743		
October .....	474,764			4,589,507		
November .....	272,736			4,862,243		
December .....	479,405			5,341,648		
<b>Mozzarella</b>						
January .....	366,988	379,627	3.4	366,988	379,627	3.4
February .....	327,413	348,117	6.3	694,401	727,744	4.8
March .....	371,264			1,065,665		
April .....	353,725			1,419,390		
May .....	357,591			1,776,981		
June .....	353,869			2,130,850		
July .....	367,215			2,498,065		
August .....	358,177			2,856,242		
September .....	358,006			3,214,248		
October .....	373,332			3,587,580		
November .....	232,938			3,820,518		
December .....	378,867			4,199,385		
<b>Other Italian cheese types</b>						
January .....	5,549	6,750	21.6	5,549	6,750	21.6
February .....	5,680	6,034	6.2	11,229	12,784	13.8
March .....	6,460			17,689		
April .....	5,869			23,558		
May .....	6,584			30,142		
June .....	6,423			36,565		
July .....	6,041			42,606		
August .....	6,171			48,777		
September .....	6,757			55,534		
October .....	6,261			61,795		
November .....	380			62,175		
December .....	6,418			68,593		

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 .....	182,088	189,642	4.1	182,088	189,642	4.1
February .....	170,116	165,220	-2.9	352,204	354,862	0.8
March .....	182,046			534,250		
April .....	175,297			709,547		
May .....	168,109			877,656		
June .....	142,540			1,020,196		
July .....	134,561			1,154,757		
August .....	133,982			1,288,739		
September .....	134,800			1,423,539		
October .....	143,480			1,567,019		
November .....	130,903			1,697,922		
December .....	171,917			1,869,839		
<b>Nonfat dry milk, human</b>						
January .....	160,301	172,690	7.7	160,301	172,690	7.7
February .....	157,833	153,715	-2.6	318,134	326,405	2.6
March .....	178,694			496,828		
April .....	163,859			660,687		
May .....	159,893			820,580		
June .....	146,911			967,491		
July .....	144,296			1,111,787		
August .....	122,805			1,234,592		
September .....	108,826			1,343,418		
October .....	125,067			1,468,485		
November .....	148,558			1,617,043		
December .....	142,741			1,759,784		
<b>Skim milk powder, total <sup>3</sup></b>						
January .....	45,753	39,784	-13.0	45,753	39,784	-13.0
February .....	37,666	35,849	-4.8	83,419	75,633	-9.3
March .....	42,055			125,474		
April .....	49,446			174,920		
May .....	50,365			225,285		
June .....	58,947			284,232		
July .....	47,488			331,720		
August .....	47,560			379,280		
September .....	46,592			425,872		
October .....	37,464			463,336		
November .....	49,846			513,182		
December .....	50,801			563,983		

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 .....	90,319	81,202	-10.1	90,319	81,202	-10.1
February .....	89,599	74,948	-16.4	179,918	156,150	-13.2
March .....	90,653			270,571		
April .....	85,149			355,720		
May .....	85,521			441,241		
June .....	87,803			529,044		
July .....	92,595			621,639		
August .....	78,954			700,593		
September .....	71,228			771,821		
October .....	86,967			858,788		
November .....	52,596			911,384		
December .....	74,505			985,889		
<b>Lactose, human and animal</b>						
January .....	94,834	111,586	17.7	94,834	111,586	17.7
February .....	86,294	98,800	14.5	181,128	210,386	16.2
March .....	99,650			280,778		
April .....	94,011			374,789		
May .....	92,544			467,333		
June .....	91,796			559,129		
July .....	97,044			656,173		
August .....	94,380			750,553		
September .....	88,157			838,710		
October .....	85,771			924,481		
November .....	68,632			993,113		
December .....	106,138			1,099,251		
<b>Whey protein concentrate, total</b>						
January .....	43,461	43,170	-0.7	43,461	43,170	-0.7
February .....	39,391	39,050	-0.9	82,852	82,220	-0.8
March .....	44,932			127,784		
April .....	40,926			168,710		
May .....	41,870			210,580		
June .....	39,862			250,442		
July .....	39,798			290,240		
August .....	41,767			332,007		
September .....	42,020			374,027		
October .....	42,890			416,917		
November .....	22,734			439,651		
December .....	40,851			480,502		

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 .....	25,546	28,322	10.9	25,546	28,322	10.9
February .....	26,932	26,094	-3.1	52,478	54,416	3.7
March .....	32,696			85,174		
April .....	29,111			114,285		
May .....	32,368			146,653		
June .....	31,058			177,711		
July .....	30,126			207,837		
August .....	31,415			239,252		
September .....	29,013			268,265		
October .....	29,851			298,116		
November .....	23,325			321,441		
December .....	24,504			345,945		
<b>Cottage cheese, lowfat</b>						
January .....	26,867	28,134	4.7	26,867	28,134	4.7
February .....	27,567	25,377	-7.9	54,434	53,511	-1.7
March .....	31,348			85,782		
April .....	29,815			115,597		
May .....	31,486			147,083		
June .....	28,466			175,549		
July .....	29,329			204,878		
August .....	31,958			236,836		
September .....	27,266			264,102		
October .....	28,298			292,400		
November .....	21,363			313,763		
December .....	22,906			336,669		
<b>Sour cream</b>						
January .....	118,603	120,975	2.0	118,603	120,975	2.0
February .....	98,994	100,892	1.9	217,597	221,867	2.0
March .....	116,393			333,990		
April .....	111,878			445,868		
May .....	118,874			564,742		
June .....	114,737			679,479		
July .....	110,077			789,556		
August .....	118,830			908,386		
September .....	108,381			1,016,767		
October .....	128,045			1,144,812		
November .....	111,362			1,256,174		
December .....	127,100			1,383,274		

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 .....	54,718	53,551	-2.1	54,718	53,551	-2.1
February .....	55,411	51,142	-7.7	110,129	104,693	-4.9
March .....	64,388			174,517		
April .....	63,601			238,118		
May .....	66,580			304,698		
June .....	71,761			376,459		
July .....	70,443			446,902		
August .....	71,559			518,461		
September .....	59,019			577,480		
October .....	59,756			637,236		
November .....	36,433			673,669		
December .....	43,687			717,356		
<b>Ice cream, lowfat total</b>						
January .....	31,241	31,559	1.0	31,241	31,559	1.0
February .....	33,849	32,270	-4.7	65,090	63,829	-1.9
March .....	41,268			106,358		
April .....	40,329			146,687		
May .....	45,175			191,862		
June .....	46,310			238,172		
July .....	43,435			281,607		
August .....	42,970			324,577		
September .....	34,572			359,149		
October .....	33,891			393,040		
November .....	20,934			413,974		
December .....	26,601			440,575		
<b>Sherbet, hard</b>						
January .....	2,975	2,551	-14.3	2,975	2,551	-14.3
February .....	2,995	2,591	-13.5	5,970	5,142	-13.9
March .....	3,292			9,262		
April .....	3,654			12,916		
May .....	3,514			16,430		
June .....	3,409			19,839		
July .....	3,151			22,990		
August .....	3,467			26,457		
September .....	3,188			29,645		
October .....	3,109			32,754		
November .....	1,638			34,392		
December .....	2,269			36,661		

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)
Yogurt, plain and flavored						
January .....	365,342	360,050	-1.4	365,342	360,050	-1.4
February .....	375,716	359,243	-4.4	741,058	719,293	-2.9
March .....	390,586			1,131,644		
April .....	358,583			1,490,227		
May .....	371,391			1,861,618		
June .....	368,426			2,230,044		
July .....	358,204			2,588,248		
August .....	397,456			2,985,704		
September .....	369,615			3,355,319		
October .....	369,690			3,725,009		
November .....	289,227			4,014,236		
December .....	345,725			4,359,961		
	(1,000 gallons)	(1,000 gallons)	(percent)	(1,000 gallons)	(1,000 gallons)	(percent)
Frozen yogurt, total						
January .....	4,617	5,145	11.4	4,617	5,145	11.4
February .....	4,624	4,552	-1.6	9,241	9,697	4.9
March .....	6,583			15,824		
April .....	5,646			21,470		
May .....	5,303			26,773		
June .....	5,529			32,302		
July .....	4,937			37,239		
August .....	4,567			41,806		
September .....	4,403			46,209		
October .....	4,074			50,283		
November .....	797			51,080		
December .....	3,466			54,546		

<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:  
February 2018 and 2019**

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	198,744	213,927	201,199	1.2	-5.9
Idaho .....	72,350	86,681	71,562	-1.1	-17.4
Illinois .....	5,538	5,908	5,652	2.1	-4.3
Iowa .....	21,235	29,105	26,842	26.4	-7.8
Minnesota .....	57,565	65,281	57,779	0.4	-11.5
New Jersey .....	4,078	5,064	3,925	-3.8	-22.5
New Mexico .....	64,770	80,184	71,202	9.9	-11.2
Ohio .....	18,749	18,156	16,361	-12.7	-9.9
Oregon .....	15,952	18,035	16,094	0.9	-10.8
Pennsylvania .....	30,918	37,962	30,737	-0.6	-19.0
South Dakota .....	23,000	26,577	23,337	1.5	-12.2
Vermont .....	11,434	12,662	11,085	-3.1	-12.5
Wisconsin .....	262,986	276,493	258,850	-1.6	-6.4
Other States <sup>1</sup> .....	198,650	222,318	196,744	-1.0	-11.5
United States .....	985,969	1,098,353	991,369	0.5	-9.7
Atlantic .....	122,510	138,079	117,574	-4.0	-14.9
Central .....	452,101	490,982	449,976	-0.5	-8.4
West .....	411,358	469,292	423,819	3.0	-9.7

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	48,681	49,076	48,747	0.1	-0.7
Idaho .....	48,804	51,639	45,405	-7.0	-12.1
Iowa .....	11,740	16,781	15,508	32.1	-7.6
Oregon .....	15,899	17,954	16,017	0.7	-10.8
Wisconsin .....	81,531	87,296	79,700	-2.2	-8.7
Other States <sup>1</sup> .....	190,709	216,537	188,229	-1.3	-13.1
United States .....	397,364	439,283	393,606	-0.9	-10.4
Atlantic .....	25,929	29,792	25,569	-1.4	-14.2
Central .....	197,092	216,554	197,447	0.2	-8.8
West .....	174,343	192,937	170,590	-2.2	-11.6

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	27,633	31,289	26,540	-4.0	-15.2
Idaho .....	39,024	38,013	32,608	-16.4	-14.2
Iowa .....	7,084	8,777	8,300	17.2	-5.4
Minnesota .....	46,213	51,493	46,062	-0.3	-10.5
Oregon .....	13,727	13,385	12,178	-11.3	-9.0
Vermont .....	8,072	8,935	7,817	-3.2	-12.5
Wisconsin .....	59,105	65,191	57,500	-2.7	-11.8
Other States <sup>1</sup> .....	92,397	106,127	89,619	-3.0	-15.6
United States .....	293,255	323,210	280,624	-4.3	-13.2
Atlantic .....	24,740	28,009	24,595	-0.6	-12.2
Central .....	143,487	158,800	142,983	-0.4	-10.0
West .....	125,028	136,401	113,046	-9.6	-17.1

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	129,480	143,873	134,733	4.1	-6.4
Idaho .....	18,164	27,969	21,811	20.1	-22.0
Pennsylvania .....	19,983	22,959	19,792	-1.0	-13.8
Wisconsin .....	133,307	141,794	133,473	0.1	-5.9
Other States <sup>1</sup> .....	125,538	143,539	130,650	4.1	-9.0
United States .....	426,472	480,134	440,459	3.3	-8.3
Atlantic .....	54,430	60,000	53,211	-2.2	-11.3
Central .....	175,853	189,475	175,763	-0.1	-7.2
West .....	196,189	230,659	211,485	7.8	-8.3

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	115,973	131,870	123,078	6.1	-6.7
Idaho .....	17,656	27,194	21,364	21.0	-21.4
Pennsylvania .....	16,524	20,093	16,871	2.1	-16.0
Wisconsin .....	87,511	93,071	87,800	0.3	-5.7
Other States <sup>1</sup> .....	89,749	107,399	99,004	10.3	-7.8
United States .....	327,413	379,627	348,117	6.3	-8.3
Atlantic .....	34,710	39,805	34,725	-	-12.8
Central .....	111,558	123,272	115,099	3.2	-6.6
West .....	181,145	216,550	198,293	9.5	-8.4

- Represents zero.

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	51,769	52,754	48,445	-6.4	-8.2
Pennsylvania .....	8,506	8,842	7,310	-14.1	-17.3
Other States <sup>1</sup> .....	109,841	128,046	109,465	-0.3	-14.5
United States .....	170,116	189,642	165,220	-2.9	-12.9
Atlantic .....	18,513	20,908	17,604	-4.9	-15.8
Central .....	73,362	82,889	69,837	-4.8	-15.7
West .....	78,241	85,845	77,779	-0.6	-9.4

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	54,644	65,802	61,538	12.6	-6.5
Pennsylvania .....	14,551	14,255	14,119	-3.0	-1.0
Other States <sup>1</sup> .....	88,638	92,633	78,058	-11.9	-15.7
United States .....	157,833	172,690	153,715	-2.6	-11.0
Atlantic .....	26,949	27,010	27,506	2.1	1.8
Central .....	29,547	35,989	30,418	2.9	-15.5
West .....	101,337	109,691	95,791	-5.5	-12.7

<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: February 2018 and 2019

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Wisconsin .....	28,782	21,735	20,481	-28.8	-5.8
Other States <sup>1</sup> .....	60,054	57,968	53,194	-11.4	-8.2
United States .....	88,836	79,703	73,675	-17.1	-7.6
Atlantic .....	19,310	21,706	18,735	-3.0	-13.7
Central .....	39,990	31,347	29,528	-26.2	-5.8
West .....	29,536	26,650	25,412	-14.0	-4.6

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

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

State	February 2018	January 2019	February 2019	Change from	
				February 2018	January 2019
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	4,762	4,390	4,346	-8.7	-1.0
Connecticut .....	997	953	1,029	3.2	8.0
Missouri .....	3,443	1,852	2,965	-13.9	60.1
Ohio .....	2,039	2,138	1,721	-15.6	-19.5
Oregon .....	944	1,258	980	3.8	-22.1
Pennsylvania .....	2,032	2,697	2,127	4.7	-21.1
Tennessee .....	1,757	1,813	1,666	-5.2	-8.1
Utah .....	2,390	1,478	2,294	-4.0	55.2
Other States <sup>1</sup> .....	37,047	36,972	34,014	-8.2	-8.0
United States .....	55,411	53,551	51,142	-7.7	-4.5
Atlantic .....	12,315	12,815	11,725	-4.8	-8.5
Central .....	33,140	31,749	29,750	-10.2	-6.3
West .....	9,956	8,987	9,667	-2.9	7.6

<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 2017, there were 1,306 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@nass.usda.gov](mailto:nass@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 Gleich – 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).



**USDA NASS Data Users' Meeting**  
**Tuesday, April 23, 2019**

University of Chicago – Gleacher Center  
450 North Cityfront Plaza Drive  
Chicago, IL 60611  
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2019 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@nass.usda.gov](mailto:vernita.murray@nass.usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@nass.usda.gov](mailto:patricia.snipe@nass.usda.gov) for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 24, 2019. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>). Or contact Laura Lahr at 303-716-9935 or [laura.lahr@lmic.info](mailto:laura.lahr@lmic.info).