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## September 2020 Highlights

**Total cheese** output (excluding cottage cheese) was 1.09 billion pounds, 1.1 percent above September 2019 and 0.6 percent above August 2020.

**Italian type cheese** production totaled 463 million pounds, 1.7 percent below September 2019 but 4.4 percent above August 2020.

**American type cheese** production totaled 432 million pounds, 4.0 percent above September 2019 but 3.3 percent below August 2020.

**Butter** production was 152 million pounds, 5.4 percent above September 2019 and 0.3 percent above August 2020.

### **Dry milk products** (comparisons in percentage with September 2019)

Nonfat dry milk, human - 124 million pounds, up 5.5 percent.

Skim milk powder - 72.5 million pounds, up 23.3 percent.

### **Whey products** (comparisons in percentage with September 2019)

Dry whey, total - 74.9 million pounds, down 17.3 percent.

Lactose, human and animal - 97.1 million pounds, up 1.7 percent.

Whey protein concentrate, total - 39.1 million pounds, down 2.3 percent.

### **Frozen products** (comparisons in percentage with September 2019)

Ice cream, regular (hard) - 63.4 million gallons, up 9.1 percent.

Ice cream, lowfat (total) - 40.0 million gallons, up 7.4 percent.

Sherbet (hard) - 3.09 million gallons, up 14.3 percent.

Frozen yogurt (total) - 4.50 million gallons, down 0.4 percent.

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

Product	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Butter .....	144,334	151,631	152,117	5.4	0.3
<b>Cheese</b>					
American types <sup>1</sup> .....	415,687	447,095	432,465	4.0	-3.3
Cheddar .....	284,142	324,030	306,094	7.7	-5.5
Other American types .....	131,545	123,065	126,371	-3.9	2.7
Blue and Gorgonzola .....	8,099	8,579	6,621	-18.2	-22.8
Brick and Muenster .....	15,664	14,218	14,790	-5.6	4.0
Cream and Neufchatel .....	86,328	90,167	92,683	7.4	2.8
Feta .....	10,710	8,739	9,420	-12.0	7.8
Gouda .....	4,810	2,941	3,017	-37.3	2.6
Hispanic .....	28,068	28,626	29,813	6.2	4.1
Italian types .....	470,642	443,457	462,810	-1.7	4.4
Mozzarella .....	375,726	351,956	365,807	-2.6	3.9
Parmesan .....	30,153	31,388	33,223	10.2	5.8
Provolone .....	33,468	28,929	30,581	-8.6	5.7
Ricotta .....	20,130	21,205	22,241	10.5	4.9
Romano .....	4,148	3,928	4,004	-3.5	1.9
Other Italian types .....	7,017	6,051	6,954	-0.9	14.9
Swiss .....	27,705	28,601	27,510	-0.7	-3.8
All other types .....	12,813	12,803	12,998	1.4	1.5
<b>Total cheese</b> <sup>2</sup> .....	<b>1,080,526</b>	<b>1,085,226</b>	<b>1,092,127</b>	<b>1.1</b>	<b>0.6</b>
Cottage cheese, curd <sup>3</sup> .....	31,108	33,193	35,598	14.4	7.2
Cottage cheese, cream <sup>4</sup> .....	29,488	32,431	34,954	18.5	7.8
Cottage cheese, lowfat <sup>5</sup> .....	26,427	27,264	27,131	2.7	-0.5
Sour cream .....	111,282	117,762	119,681	7.5	1.6
Yogurt, plain and flavored .....	381,495	382,283	388,339	1.8	1.6
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
<b>Frozen products</b>					
Ice cream, regular, hard .....	58,155	68,997	63,427	9.1	-8.1
Ice cream, lowfat, hard .....	19,478	23,463	22,225	14.1	-5.3
Ice cream, lowfat, soft .....	17,728	21,376	17,736	-	-17.0
Ice cream, lowfat, total <sup>6</sup> .....	37,206	44,839	39,961	7.4	-10.9
Ice cream, nonfat, hard .....	447	604	478	6.9	-20.9
Sherbet, hard .....	2,703	3,376	3,090	14.3	-8.5
Frozen yogurt, total .....	4,522	8,119	4,503	-0.4	-44.5
Regular and lowfat, hard .....	1,045	1,192	932	-10.8	-21.8
Nonfat, hard .....	338	370	432	27.8	16.8
Other frozen dairy products .....	1,752	1,388	1,304	-25.6	-6.1
Water and juice ices .....	5,459	6,596	5,959	9.2	-9.7
<b>Mix for frozen products</b>					
Ice cream, regular, mix .....	35,514	46,592	43,436	22.3	-6.8
Ice cream, lowfat, mix <sup>7</sup> .....	17,848	25,149	22,318	25.0	-11.3
Ice cream, nonfat, mix .....	302	486	373	23.5	-23.3
Sherbet mix .....	1,845	2,418	2,404	30.3	-0.6
Yogurt mix .....	1,993	2,173	2,291	15.0	5.4

- 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:  
September 2019 and 2020**

Product	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
Condensed whey, solids content <sup>1</sup>					
Sweet-type, human .....	8,511	6,894	6,228	-26.8	-9.7
Dry whey products					
Dry whey, human .....	89,602	77,374	73,553	-17.9	-4.9
Dry whey, animal .....	1,025	1,444	1,379	34.5	-4.5
Dry whey, total .....	90,627	78,818	74,932	-17.3	-4.9
Reduced lactose and minerals					
Human .....	2,247	1,843	2,594	15.4	40.7
Animal .....	2,718	2,533	2,574	-5.3	1.6
Whey protein concentrate					
Human <sup>2</sup> .....	38,305	39,142	38,651	0.9	-1.3
Animal <sup>2</sup> .....	1,763	370	477	-72.9	28.9
Total <sup>2</sup> .....	40,068	39,512	39,128	-2.3	-1.0
25.0-49.9 percent <sup>3</sup> .....	15,755	14,123	13,553	-14.0	-4.0
50.0-89.9 percent <sup>3</sup> .....	24,313	25,389	25,575	5.2	0.7
Whey protein isolates <sup>4</sup> .....	9,951	9,986	10,384	4.4	4.0
Lactose, human and animal .....	95,488	97,385	97,131	1.7	-0.3
<b>Manufacturers' stocks end of month <sup>5</sup></b>					
Dry whey products					
Dry whey, human .....	79,975	85,357	78,069	-2.4	-8.5
Dry whey, animal .....	2,621	1,324	1,368	-47.8	3.3
Dry whey, total .....	82,596	86,681	79,437	-3.8	-8.4
Reduced Lactose and minerals					
Human and animal <sup>6</sup> .....	5,016	5,482	5,892	17.5	7.5
Whey protein concentrate					
Human <sup>2</sup> .....	64,168	66,631	63,247	-1.4	-5.1
Animal <sup>2</sup> .....	1,511	643	723	-52.2	12.4
Total <sup>2</sup> .....	65,679	67,274	63,970	-2.6	-4.9
25.0-49.9 percent <sup>3</sup> .....	22,926	25,610	23,376	2.0	-8.7
50.0-89.9 percent <sup>3</sup> .....	42,753	41,664	40,594	-5.0	-2.6
Whey protein isolates <sup>4</sup> .....	18,499	16,097	15,464	-16.4	-3.9
Lactose, human and animal .....	112,587	108,933	105,399	-6.4	-3.2
	(cents per pound)	(cents per pound)	(cents per pound)	(cents change)	(cents change)
<b>Manufacturers' selling price <sup>7</sup></b>					
Dry whey, animal .....	22.4	18.3	18.2	-4.3	-0.1

<sup>1</sup> Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

<sup>2</sup> Whey protein concentrate, 25.0 to 89.9 percent.

<sup>3</sup> Whey protein concentrate, human and animal.

<sup>4</sup> Whey protein isolate, 90.0 percent or greater.

<sup>5</sup> Stocks held by manufacturers at all points and in transit.

<sup>6</sup> Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

<sup>7</sup> Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:  
September 2019 and 2020**

Product	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
<b>Production</b>					
Bulk condensed milk					
Skim, unsweetened .....	113,968	116,173	104,276	-8.5	-10.2
Dry milk products					
Dry buttermilk, total .....	8,847	8,363	9,392	6.2	12.3
Dry skim milk, animal .....	544	933	718	32.0	-23.0
Dry whole milk .....	7,603	10,125	10,275	35.1	1.5
Milk protein concentrate, total <sup>1</sup> .....	10,619	15,437	12,729	19.9	-17.5
Nonfat dry milk, human .....	117,806	144,216	124,275	5.5	-13.8
Skim milk powder, total <sup>2</sup> .....	58,764	61,233	72,450	23.3	18.3
<b>Manufacturers' stocks end-of-month</b> <sup>3</sup>					
Dry milk products					
Dry buttermilk, total .....	13,884	21,599	20,678	48.9	-4.3
Dry skim milk, animal .....	3,135	9,859	8,635	175.4	-12.4
Dry whole milk .....	21,782	11,020	9,886	-54.6	-10.3
Nonfat dry milk, human .....	250,846	270,579	233,247	-7.0	-13.8
<b>Manufacturers' shipments</b> <sup>4</sup>					
Dry milk products					
Nonfat dry milk, human .....	121,785	177,935	144,878	19.0	-18.6

<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: 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)
<b>Total cheese <sup>1</sup></b>						
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	1,107,633	1.8	7,588,887	7,650,052	0.8
August .....	1,113,646	1,085,226	-2.6	8,702,533	8,735,278	0.4
September .....	1,080,526	1,092,127	1.1	9,783,059	9,827,405	0.5
October .....	1,138,241			10,921,300		
November .....	1,093,397			12,014,697		
December .....	1,122,546			13,137,243		
<b>Total American cheese types <sup>2</sup></b>						
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	454,712	4.7	3,030,108	3,086,558	1.9
August .....	452,030	447,095	-1.1	3,482,138	3,533,653	1.5
September .....	415,687	432,465	4.0	3,897,825	3,966,118	1.8
October .....	445,601			4,343,426		
November .....	432,438			4,775,864		
December .....	456,378			5,232,242		
<b>Cheddar cheese</b>						
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	323,991	5.9	2,182,234	2,221,571	1.8
August .....	321,190	324,030	0.9	2,503,424	2,545,601	1.7
September .....	284,142	306,094	7.7	2,787,566	2,851,695	2.3
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)
<b>Total Italian cheese types</b>						
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	453,813	-2.2	3,292,453	3,283,006	-0.3
August .....	466,578	443,457	-5.0	3,759,031	3,726,463	-0.9
September .....	470,642	462,810	-1.7	4,229,673	4,189,273	-1.0
October .....	485,559			4,715,232		
November .....	471,962			5,187,194		
December .....	483,331			5,670,525		
<b>Mozzarella</b>						
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	365,266	-0.8	2,604,619	2,600,752	-0.1
August .....	370,384	351,956	-5.0	2,975,003	2,952,708	-0.7
September .....	375,726	365,807	-2.6	3,350,729	3,318,515	-1.0
October .....	384,612			3,735,341		
November .....	375,266			4,110,607		
December .....	383,976			4,494,583		
<b>Other Italian cheese types</b>						
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	5,299	-23.2	46,845	42,186	-9.9
August .....	7,143	6,051	-15.3	53,988	48,237	-10.7
September .....	7,017	6,954	-0.9	61,005	55,191	-9.5
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)
<b>Butter</b>						
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	154,883	2.8	1,199,871	1,277,923	6.5
August .....	141,323	151,631	7.3	1,341,194	1,429,554	6.6
September .....	144,334	152,117	5.4	1,485,528	1,581,671	6.5
October .....	162,921			1,648,449		
November .....	161,852			1,810,301		
December .....	183,774			1,994,075		
<b>Nonfat dry milk, human</b>						
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	163,198	-5.3	1,164,227	1,171,858	0.7
August .....	132,525	144,216	8.8	1,296,752	1,316,074	1.5
September .....	117,806	124,275	5.5	1,414,558	1,440,349	1.8
October .....	132,716			1,547,274		
November .....	138,880			1,686,154		
December .....	164,869			1,851,023		
<b>Skim milk powder, total <sup>3</sup></b>						
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	61,233	0.8	350,714	380,566	8.5
September .....	58,764	72,450	23.3	409,478	453,016	10.6
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)
<b>Dry whey, total <sup>4</sup></b>						
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	84,826	2.3	556,259	576,861	3.7
August .....	84,897	78,818	-7.2	641,156	655,679	2.3
September .....	90,627	74,932	-17.3	731,783	730,611	-0.2
October .....	90,843			822,626		
November .....	75,111			897,737		
December .....	79,821			977,558		
<b>Lactose, human and animal</b>						
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	100,628	-5.9	758,539	659,623	-13.0
August .....	95,074	97,385	2.4	853,613	757,008	-11.3
September .....	95,488	97,131	1.7	949,101	854,139	-10.0
October .....	96,493			1,045,594		
November .....	88,375			1,133,969		
December .....	93,634			1,227,603		
<b>Whey protein concentrate, total</b>						
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	39,600	-0.5	286,316	275,085	-3.9
August .....	39,903	39,512	-1.0	326,219	314,597	-3.6
September .....	40,068	39,128	-2.3	366,287	353,725	-3.4
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)
<b>Cottage cheese, cream</b>						
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	32,769	1.3	209,471	214,932	2.6
August .....	31,495	32,431	3.0	240,966	247,363	2.7
September .....	29,488	34,954	18.5	270,454	282,317	4.4
October .....	31,956			302,410		
November .....	27,025			329,435		
December .....	28,427			357,862		
<b>Cottage cheese, lowfat</b>						
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	28,793	-2.8	195,673	187,017	-4.4
August .....	29,747	27,264	-8.3	225,420	214,281	-4.9
September .....	26,427	27,131	2.7	251,847	241,412	-4.1
October .....	27,922			279,769		
November .....	24,008			303,777		
December .....	23,879			327,656		
<b>Sour cream</b>						
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	113,206	-4.4	801,879	825,412	2.9
August .....	119,252	117,762	-1.2	921,131	943,174	2.4
September .....	111,282	119,681	7.5	1,032,413	1,062,855	2.9
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)
<b>Ice cream, regular hard</b>						
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	71,669	10.5	434,251	439,009	1.1
August .....	64,242	68,997	7.4	498,493	508,006	1.9
September .....	58,155	63,427	9.1	556,648	571,433	2.7
October .....	58,581			615,229		
November .....	46,927			662,156		
December .....	47,039			709,195		
<b>Ice cream, lowfat total</b>						
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	47,669	9.4	292,079	276,495	-5.3
August .....	42,021	44,839	6.7	334,100	321,334	-3.8
September .....	37,206	39,961	7.4	371,306	361,295	-2.7
October .....	36,315			407,621		
November .....	29,068			436,689		
December .....	28,110			464,799		
<b>Sherbet, hard</b>						
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	3,037	8.7	20,581	20,539	-0.2
August .....	2,382	3,376	41.7	22,963	23,915	4.1
September .....	2,703	3,090	14.3	25,666	27,005	5.2
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	365,970	5.0	2,591,106	2,639,173	1.9
August .....	377,322	382,283	1.3	2,968,428	3,021,456	1.8
September .....	381,495	388,339	1.8	3,349,923	3,409,795	1.8
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	5,619	-1.8	38,470	35,532	-7.6
August .....	7,963	8,119	2.0	46,433	43,651	-6.0
September .....	4,522	4,503	-0.4	50,955	48,154	-5.5
October .....	4,390			55,345		
November .....	3,868			59,213		
December .....	2,916			62,129		

- 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, United States, and Regions:  
September 2019 and 2020**

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	203,831	191,487	192,769	-5.4	0.7
Idaho .....	83,625	81,355	87,055	4.1	7.0
Illinois .....	6,269	5,719	5,638	-10.1	-1.4
Iowa .....	27,091	30,728	30,570	12.8	-0.5
Minnesota .....	58,035	61,678	58,039	-	-5.9
New Jersey .....	5,032	4,818	5,570	10.7	15.6
New Mexico .....	76,619	78,813	77,394	1.0	-1.8
New York .....	71,151	69,320	70,469	-1.0	1.7
Ohio .....	18,751	21,281	21,172	12.9	-0.5
Oregon .....	17,502	18,890	18,741	7.1	-0.8
Pennsylvania .....	34,490	37,453	38,803	12.5	3.6
South Dakota .....	30,592	35,882	36,795	20.3	2.5
Vermont .....	11,888	12,580	12,356	3.9	-1.8
Wisconsin .....	280,489	274,509	276,447	-1.4	0.7
Other States <sup>1</sup> .....	155,161	160,713	160,309	3.3	-0.3
United States .....	1,080,526	1,085,226	1,092,127	1.1	0.6
Atlantic .....	133,137	135,413	137,674	3.4	1.7
Central .....	497,207	507,918	508,541	2.3	0.1
West .....	450,182	441,895	445,912	-0.9	0.9

- Represents zero.

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

### American Cheese Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	46,711	48,308	46,071	-1.4	-4.6
Idaho .....	47,539	55,032	51,635	8.6	-6.2
Iowa .....	16,394	18,399	19,049	16.2	3.5
Minnesota .....	48,185	53,259	47,083	-2.3	-11.6
New York .....	10,930	11,252	10,923	-0.1	-2.9
Oregon .....	17,414	18,764	18,639	7.0	-0.7
Wisconsin .....	78,554	85,428	85,100	8.3	-0.4
Other States <sup>1</sup> .....	149,960	156,653	153,965	2.7	-1.7
United States .....	415,687	447,095	432,465	4.0	-3.3
Atlantic .....	26,595	28,129	26,711	0.4	-5.0
Central .....	206,837	222,629	217,447	5.1	-2.3
West .....	182,255	196,337	188,307	3.3	-4.1

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

### Cheddar Cheese Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	22,278	24,173	24,684	10.8	2.1
Iowa .....	8,061	11,038	10,155	26.0	-8.0
Minnesota .....	46,655	51,913	46,719	0.1	-10.0
Oregon .....	14,324	15,966	16,093	12.3	0.8
Vermont .....	8,151	8,208	8,258	1.3	0.6
Wisconsin .....	54,084	59,784	58,800	8.7	-1.6
Other States <sup>1</sup> .....	130,589	152,948	141,385	8.3	-7.6
United States .....	284,142	324,030	306,094	7.7	-5.5
Atlantic .....	25,242	26,229	25,246	-	-3.7
Central .....	141,910	155,815	147,617	4.0	-5.3
West .....	116,990	141,986	133,231	13.9	-6.2

- Represents zero.

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

### Total Italian Cheese Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	135,780	123,070	125,818	-7.3	2.2
Idaho .....	30,259	21,561	31,083	2.7	44.2
Minnesota .....	9,498	8,217	10,700	12.7	30.2
New Jersey .....	2,939	2,505	2,886	-1.8	15.2
New York .....	28,759	29,350	30,584	6.3	4.2
Pennsylvania .....	20,947	21,850	22,669	8.2	3.7
Wisconsin .....	141,705	128,644	132,660	-6.4	3.1
Other States <sup>1</sup> .....	100,755	108,260	106,410	5.6	-1.7
United States .....	470,642	443,457	462,810	-1.7	4.4
Atlantic .....	56,716	57,369	60,208	6.2	4.9
Central .....	191,871	182,172	188,564	-1.7	3.5
West .....	222,055	203,916	214,038	-3.6	5.0

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

### Mozzarella Cheese Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	126,313	114,697	117,286	-7.1	2.3
Idaho .....	29,546	21,331	30,356	2.7	42.3
New Jersey .....	1,532	1,269	1,377	-10.1	8.5
New York .....	15,492	14,380	15,065	-2.8	4.8
Pennsylvania .....	17,411	17,766	18,713	7.5	5.3
Wisconsin .....	91,452	85,008	86,400	-5.5	1.6
Other States <sup>1</sup> .....	93,980	97,505	96,610	2.8	-0.9
United States .....	375,726	351,956	365,807	-2.6	3.9
Atlantic .....	37,423	35,799	38,142	1.9	6.5
Central .....	127,611	122,687	124,454	-2.5	1.4
West .....	210,692	193,470	203,211	-3.6	5.0

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

## Butter Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	44,225	49,491	48,459	9.6	-2.1
New York .....	1,602	1,044	1,323	-17.4	26.7
Pennsylvania .....	7,154	7,587	6,579	-8.0	-13.3
Other States <sup>1</sup> .....	91,353	93,509	95,756	4.8	2.4
United States .....	144,334	151,631	152,117	5.4	0.3
Atlantic .....	12,689	12,024	12,347	-2.7	2.7
Central .....	53,827	55,916	58,085	7.9	3.9
West .....	77,818	83,691	81,685	5.0	-2.4

<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, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
California .....	39,027	46,281	40,657	4.2	-12.2
Pennsylvania .....	12,720	13,678	14,741	15.9	7.8
Other States <sup>1</sup> .....	66,059	84,257	68,877	4.3	-18.3
United States .....	117,806	144,216	124,275	5.5	-13.8
Atlantic .....	23,787	24,736	25,880	8.8	4.6
Central .....	22,868	34,180	25,897	13.2	-24.2
West .....	71,151	85,300	72,498	1.9	-15.0

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



## Dry Whey (Human) Production – States, United States, and Regions: September 2019 and 2020

State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)	(percent)
New York .....	11,250	12,420	12,010	6.8	-3.3
Wisconsin .....	24,380	22,613	20,847	-14.5	-7.8
Other States <sup>1</sup> .....	53,972	42,341	40,696	-24.6	-3.9
United States .....	89,602	77,374	73,553	-17.9	-4.9
Atlantic .....	22,024	22,280	21,878	-0.7	-1.8
Central .....	37,979	32,980	30,680	-19.2	-7.0
West .....	29,599	22,114	20,995	-29.1	-5.1

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

## Ice Cream, Regular (Hard) Production – States, United States, and Regions: September 2019 and 2020

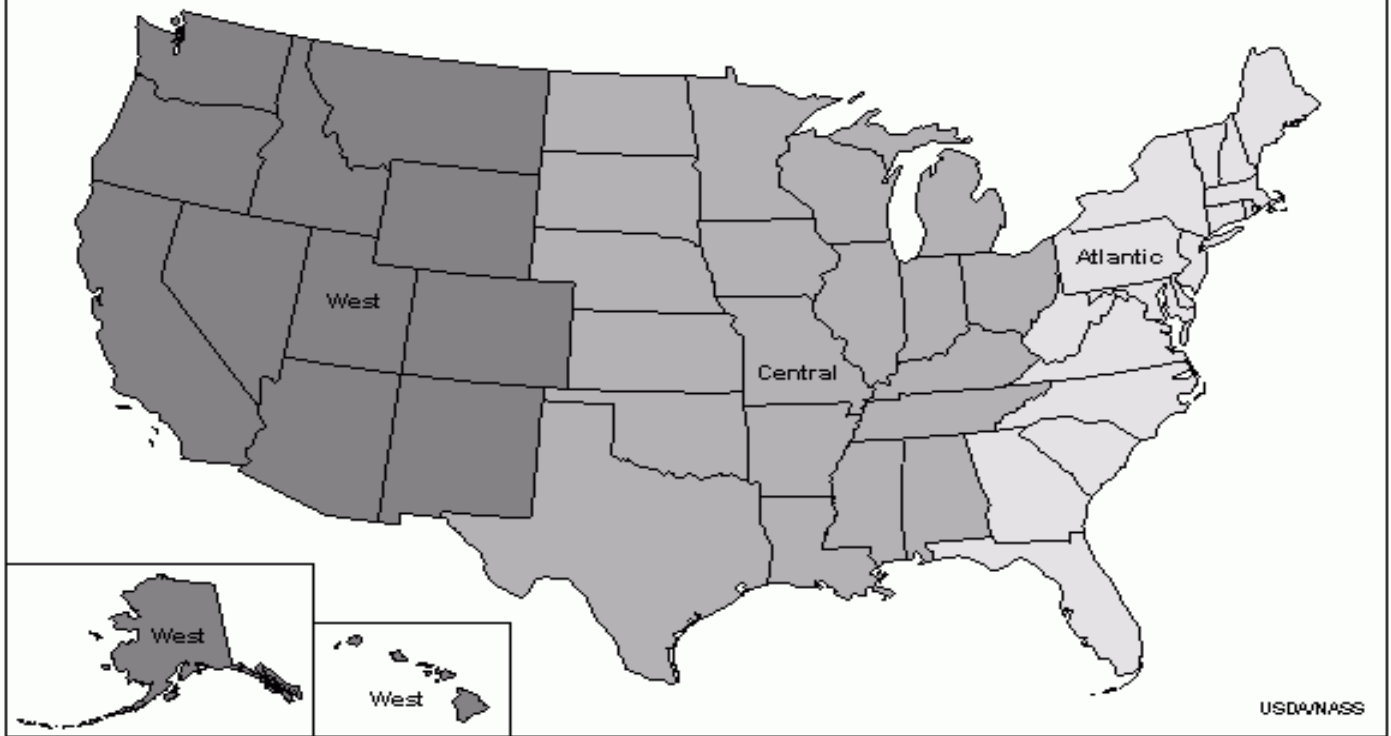
State and region	September 2019	August 2020	September 2020	Change from	
				September 2019	August 2020
	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)	(percent)	(percent)
California .....	5,261	6,296	6,509	23.7	3.4
Connecticut .....	1,121	1,367	1,297	15.7	-5.1
Missouri .....	2,927	3,123	2,685	-8.3	-14.0
New Jersey <sup>1</sup> .....	95	(NA)	(NA)	(NA)	(NA)
New York .....	2,115	2,117	1,936	-8.5	-8.5
Ohio .....	2,159	2,803	2,898	34.2	3.4
Oregon .....	994	1,390	1,377	38.5	-0.9
Pennsylvania .....	3,070	4,048	3,882	26.4	-4.1
Tennessee .....	1,668	2,250	1,929	15.6	-14.3
Utah .....	1,730	1,925	1,958	13.2	1.7
Wisconsin .....	655	920	727	11.0	-21.0
Other States <sup>2</sup> .....	36,360	42,758	38,229	5.1	-10.6
United States .....	58,155	68,997	63,427	9.1	-8.1
Atlantic .....	12,694	16,150	13,617	7.3	-15.7
Central .....	35,296	41,230	37,789	7.1	-8.3
West .....	10,165	11,617	12,021	18.3	3.5

(NA) Not available.

<sup>1</sup> Included in Other States in 2020.

<sup>2</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 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](mailto:nass@usda.gov).

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Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
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](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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

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