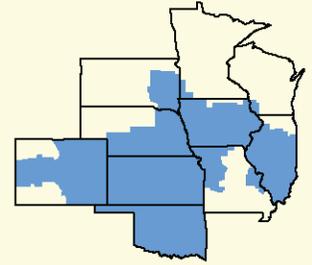


Bulletin



Facilitating the efficient marketing of milk and dairy products.

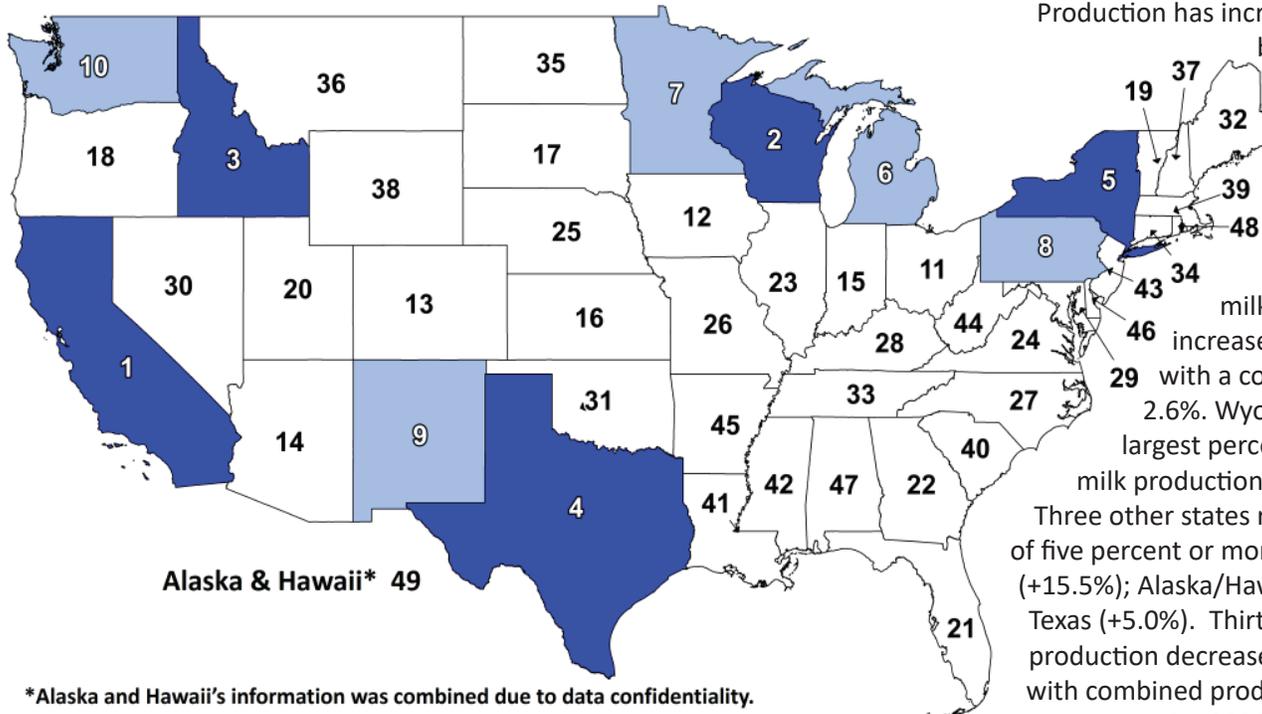


CENTRAL MARKETING AREA

2021 Milk Production

U.S. 2021 milk production totaled 226.3 billion pounds, an increase of 2.9 billion pounds over 2020. The 2021 total is a record high for the twelfth consecutive year, and is an increase of 1.3% over the 223.3 billion pounds produced in 2020. Milk production has exceeded year earlier totals during 23 of the last 25 years, with the exceptions occurring during 2001 and 2009.

2021 Milk Production Ranking Top Ten States Highlighted



Production has increased by 13.9 billion pounds over the past five years (2021 versus 2016), a gain of 6.5%.

Nineteen states registered annual milk production increases during 2021, with a combined increase of 2.6%. Wyoming recorded the largest percentage gain, with milk production increasing 16.7%.

Three other states recorded increases of five percent or more: South Dakota (+15.5%); Alaska/Hawaii* (+14.6%); and Texas (+5.0%). Thirty* states posted production decreases during 2021, with combined production falling 3.0% compared with 2020. Thirteen states

recorded decreases of five percent or more, while six states registered decreases of more than 10%. Delaware (-26.2%), Mississippi (-19.1%), West Virginia (-15.7%), and South Carolina (-14.5%) posted the largest yearly decreases.

The map on this page ranks milk production by state for 2021, with the top ten milk producing states shaded. The graphics on page 4 depict states with the largest percentage increases and decreases in milk production over the past five years (2021 versus 2016).

Twenty states recorded milk production increases comparing 2021 with 2016. The combined production for these states represented 83.0% of total 2021 U.S. milk production, and the combined increase for these 20 states was 9.9%. Eight states posted increases larger than the 20 state percentage average, led by Wyoming (+57.6%), Texas (+44.8%), South Dakota (+41.5%), and Colorado (+34.3%). Texas posted the largest absolute gain with production increasing by 4.826 billion pounds, followed by Idaho (+1.747 billion lbs), Wisconsin (+1.592 billion pounds), California (+1.395 billion lbs), and Colorado (+1.346 billion lbs).

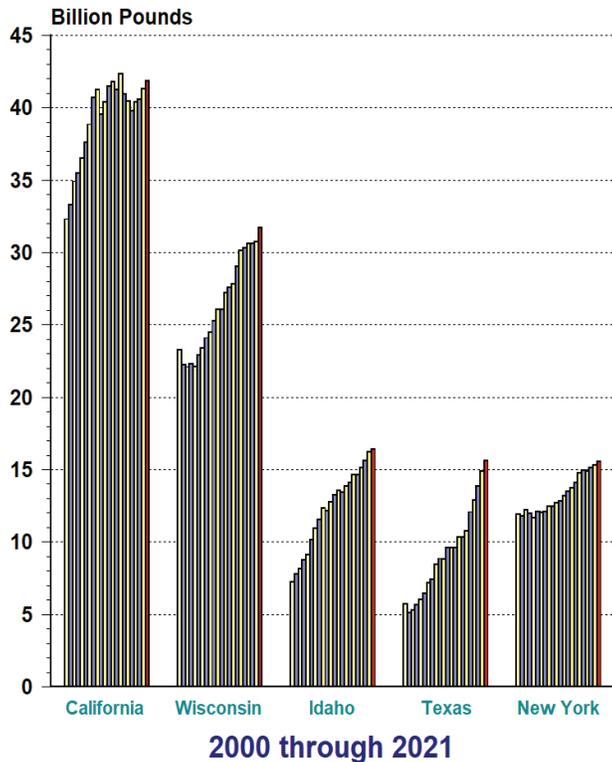
Twenty-eight* states registered a combined 7.5% production decrease, and these states accounted for 16.7% of the 2021 U.S. milk production total (one state had no change, with 0.3% of the total). Twenty states recorded decreases greater than the 7.5% average percentage loss, led by Alaska/Hawaii* (-85.7%), Alabama (-57.6%), Delaware (-45.6%), and West Virginia (-44.0%). In absolute terms, Pennsylvania posted the largest decrease with production falling by 706 million pounds, followed by Florida (-325 million lbs), Virginia (-252 million pounds), and Missouri (-250 million pounds).

Annual Milk Production

Top Five Dairy States

The graph on this page depicts production since 2000 for the nation's top five milk producing states. All five of these states recorded increases comparing 2021 with 2020 -- Texas (+5.0%); Wisconsin (+3.1%); New York (+1.6%); California (+1.3%); and Idaho (+1.1%). Comparing 2021 with 2000, Texas's production increased by 171.9%, while Idaho's increased by 127.2%. Wisconsin (+36.3%) posted the third largest increase among the top five states, followed by New York (+30.4%) and California (+29.7%).

The map on page 6 provides a ranking of states based on 2021 milk production per cow. Wisconsin, Idaho, Texas, New York, Michigan, and New Mexico are states ranked in the top ten in both total milk production and production per cow. All five of the top five milk producing states were above the 2021 national average production of 23,948 pounds per cow: Idaho (25,172); Texas (25,079); Wisconsin (24,884); New York (24,785); and California (24,354).



2021 Per Capita Milk Production

Per capita milk production is a data series presented annually in this Bulletin. A comparison of this series to per capita consumption data may reflect the aggregate supply and demand balance for individual states and regions throughout the U.S. The table on page 7 details and compares per capita milk production by state for 2021, 2020, and 2016. This table lists the states in descending order based on 2021 per capita production. States with per capita production of more than 600 pounds are inside the shaded area of the table. Six of the top ten states in total production are also in the top ten in per capita production. These six are California, Wisconsin, Idaho, Michigan, Minnesota, and New Mexico.

Data used in these calculations indicates per capita production for 2021 was 681.7 pounds, up 8.1 pounds (+1.2%) compared with 2020. Nineteen states reported annual per capita increases during 2021, with Wyoming's 16.4% increase the largest gain. South Dakota posted the second largest increase, with a production per capita gain of 14.4%. Delaware's per capita production decreased by 27.1%, which was the largest decline. Five additional states recorded decreases of ten percent or more compared with 2020: Mississippi (-19.0%); South Carolina (-15.7%), West Virginia (-15.3%), Alabama (-12.5%), and New Jersey (-11.0%).

Per capita production for the U.S. increased by 24.2 pounds (+3.7%) between 2016 and 2021. Sixteen states recorded increases in per capita milk production, led by Wyoming's 59.3% gain. Five additional states increased per capita production by 10% or more comparing 2021 with 2016. Alaska & Hawaii's* combined total recorded the largest decrease, with per capita production falling by 85.9%. Thirteen additional states posted declines of more than 20%, while six states reported decreases between 10% and 20%.

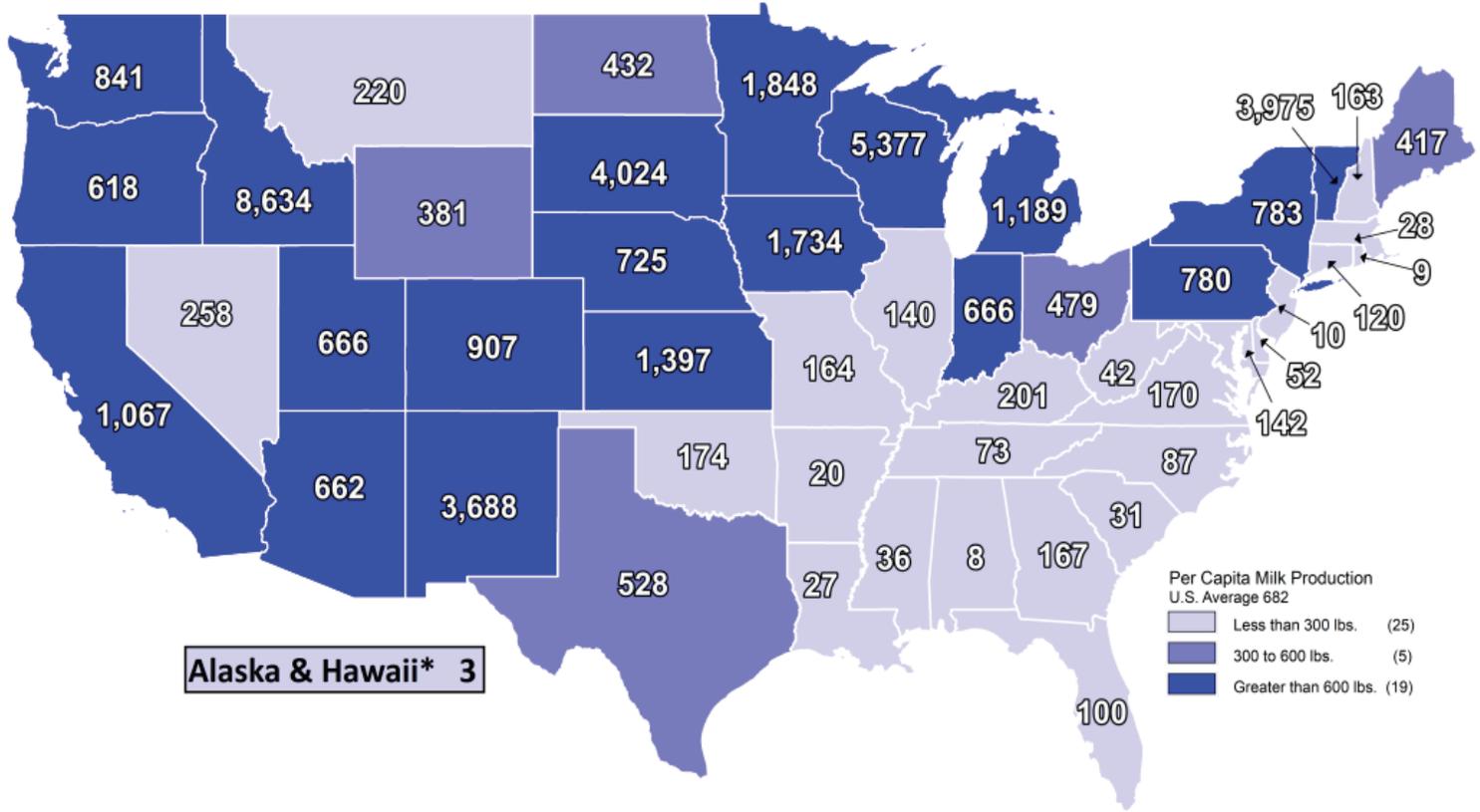
The map on the top of page 3 depicts per capita milk production by state for 2021. The 300 and 600 pound levels of per capita production are arbitrary divisions selected for this map. The 600 pound level roughly approximates annual per capita consumption of all dairy products on a milk equivalent basis, while the 300 pound level reflects average annual consumption of Class I and Class II products (fluid and soft manufactured products), plus reserve requirements. A cursory analysis of regional milk supply conditions can be performed by examining the shading patterns prevalent in the individual regions.

The map at the bottom of page 3 displays the percentage change in per capita milk production by state between 2016 and 2021. The data represented by this map reflects changes in production combined with population changes. The graphics on page 5 depict the states with the largest percentage increases and decreases from 2016 to 2021.

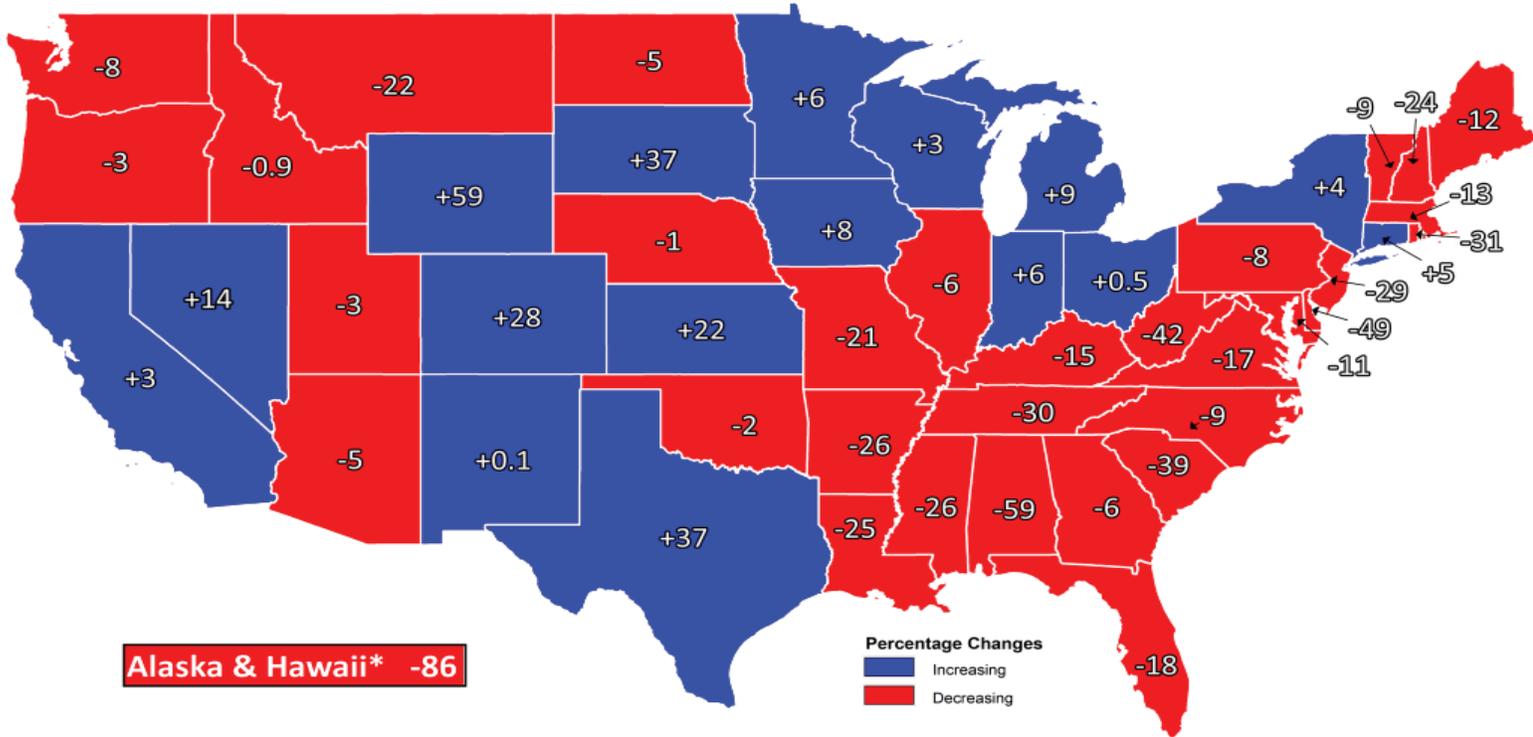
	U.S. Milk Production	U. S. Population Estimate
California	18.50	11.82
Wisconsin	14.01	1.78
Idaho	7.25	0.57
Texas	6.89	8.90
New York	6.87	5.98
5-State Total	53.53	29.04

*Alaska and Hawaii's information was combined due to data confidentiality.

2021 Per Capita Milk Production



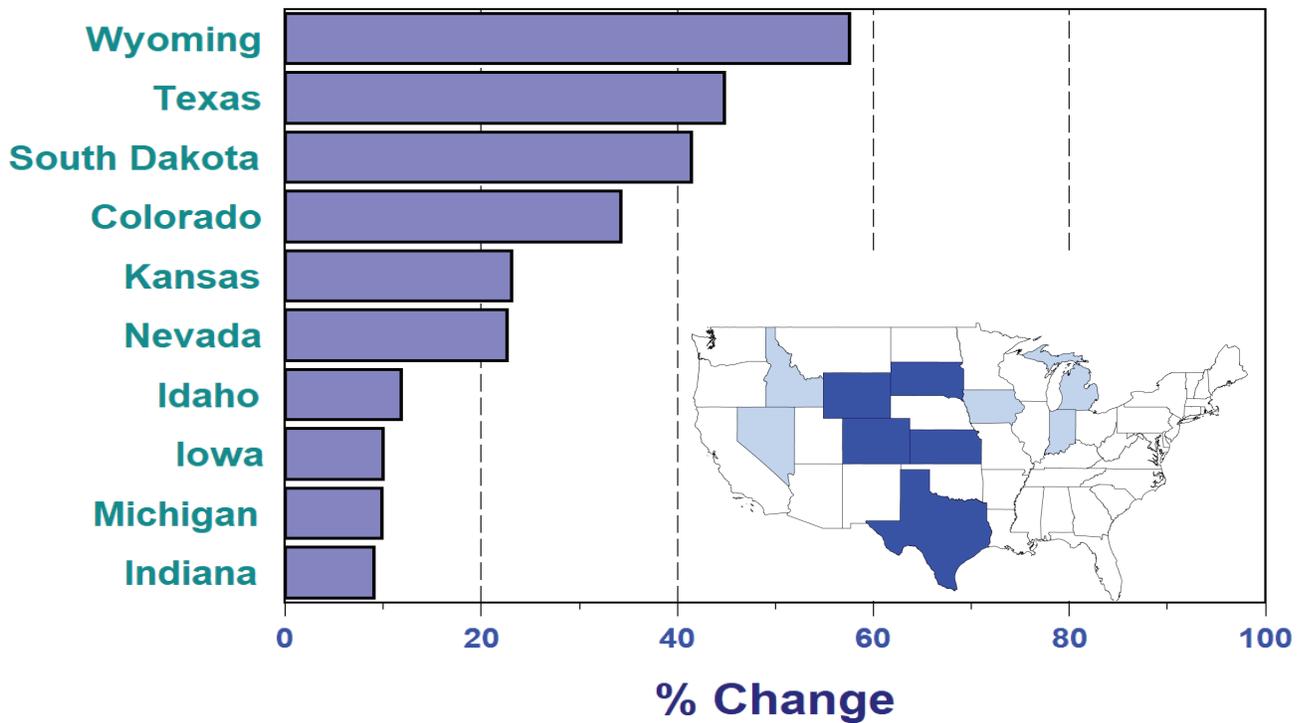
Percent Change In Per Capita Milk Production 2021 vs 2016



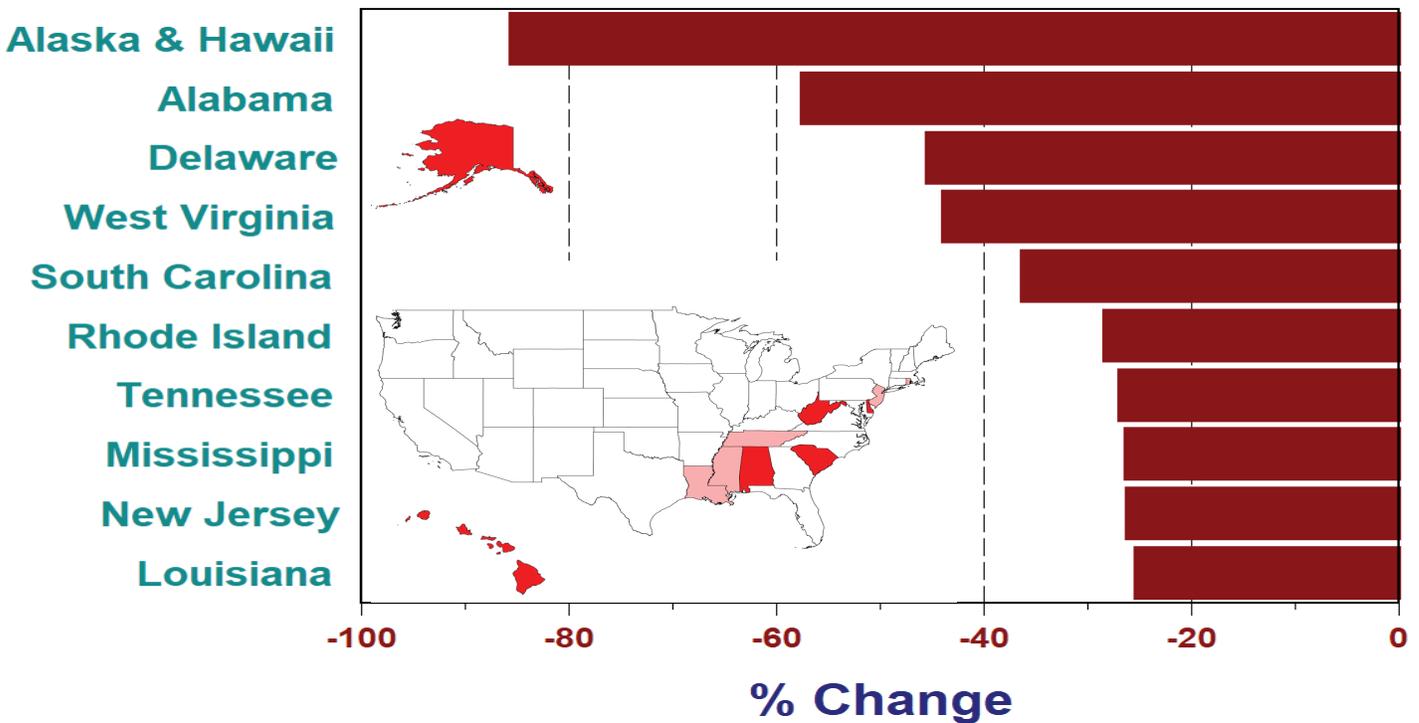
Milk Production: 2021 vs 2016

U.S. Average = +6.5%

Largest Production Increases



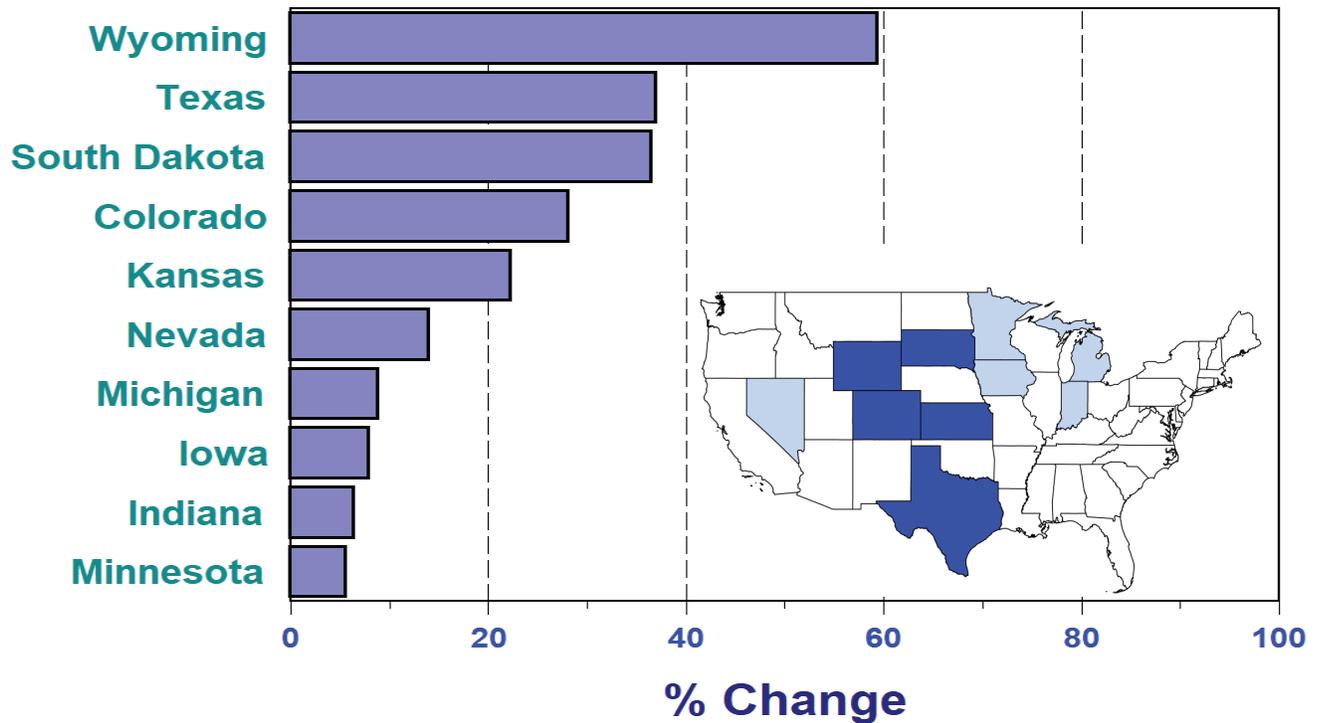
Largest Production Decreases



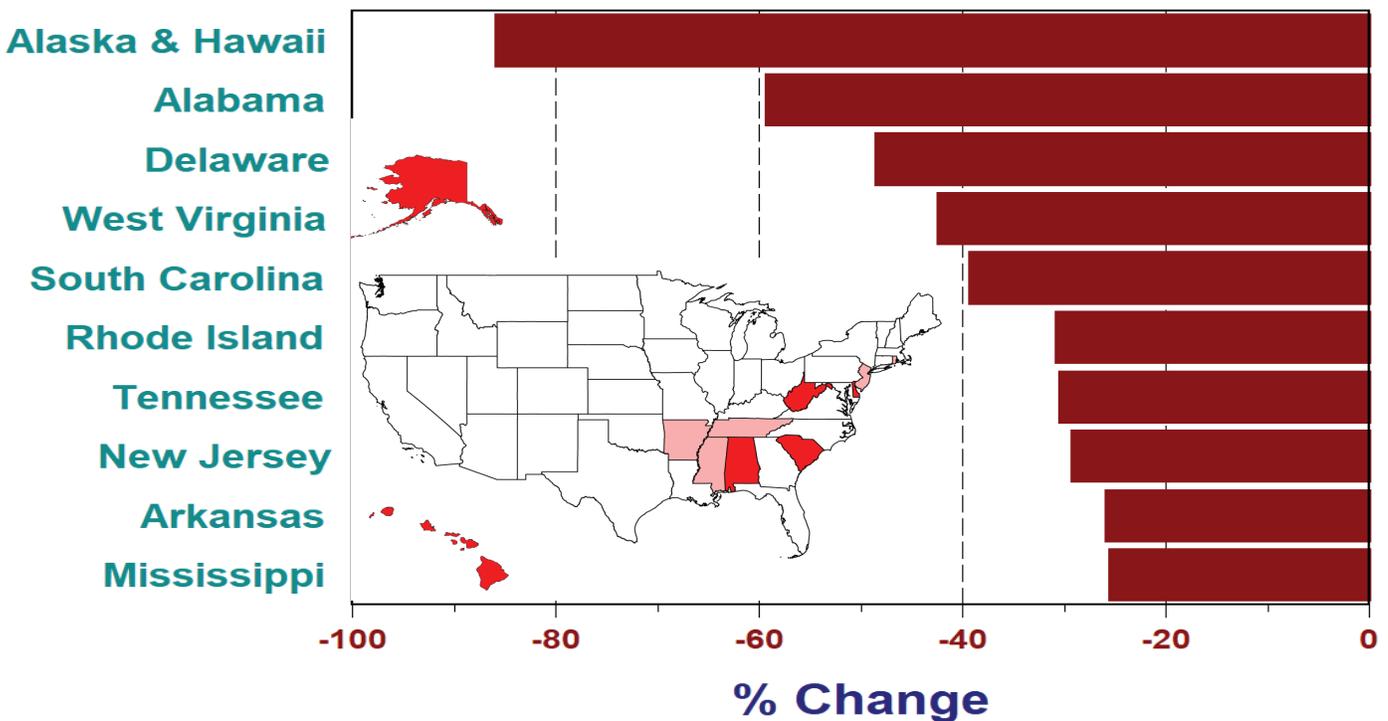
Per Capita Milk Production: 2021 vs 2016

U.S. Average = +3.7%

Largest Per Capita Increases

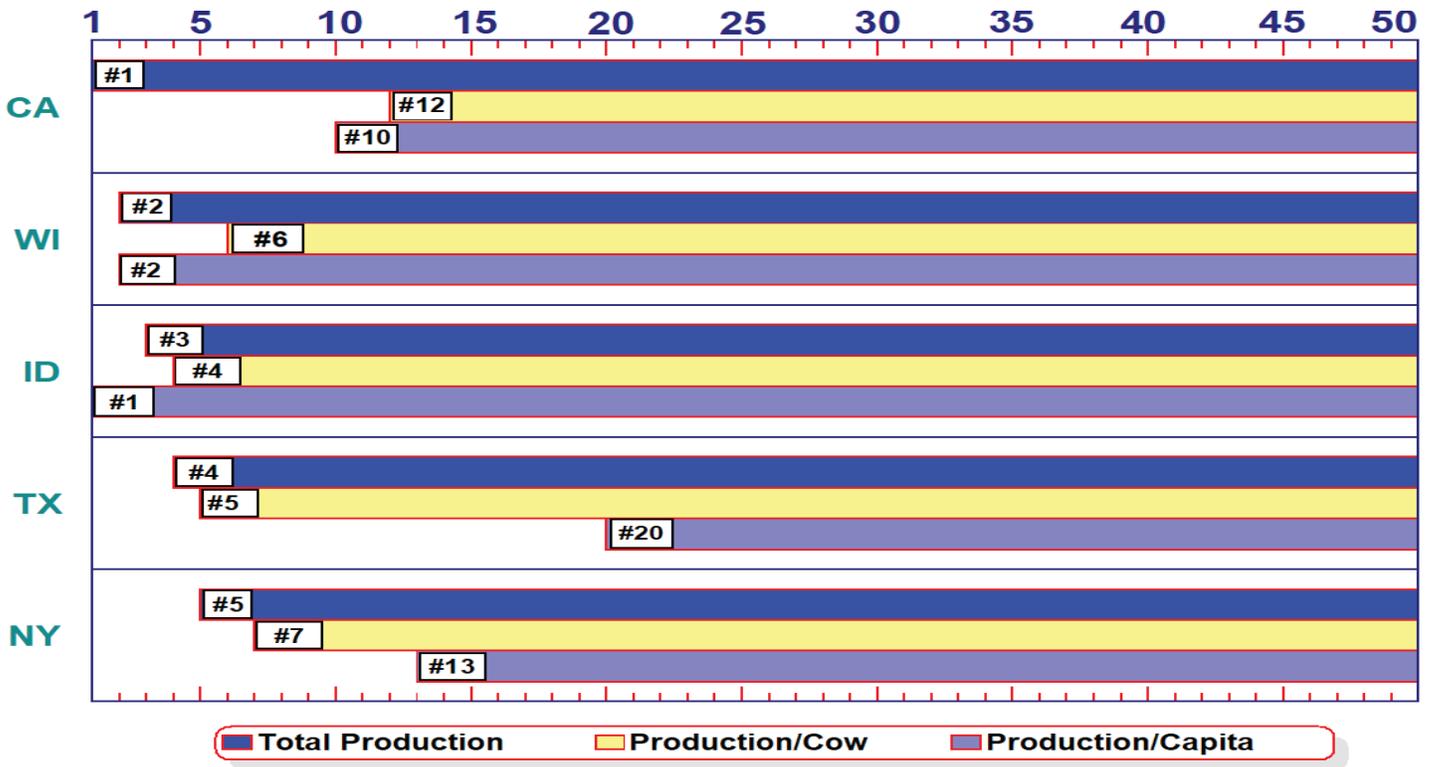


Largest Per Capita Decreases

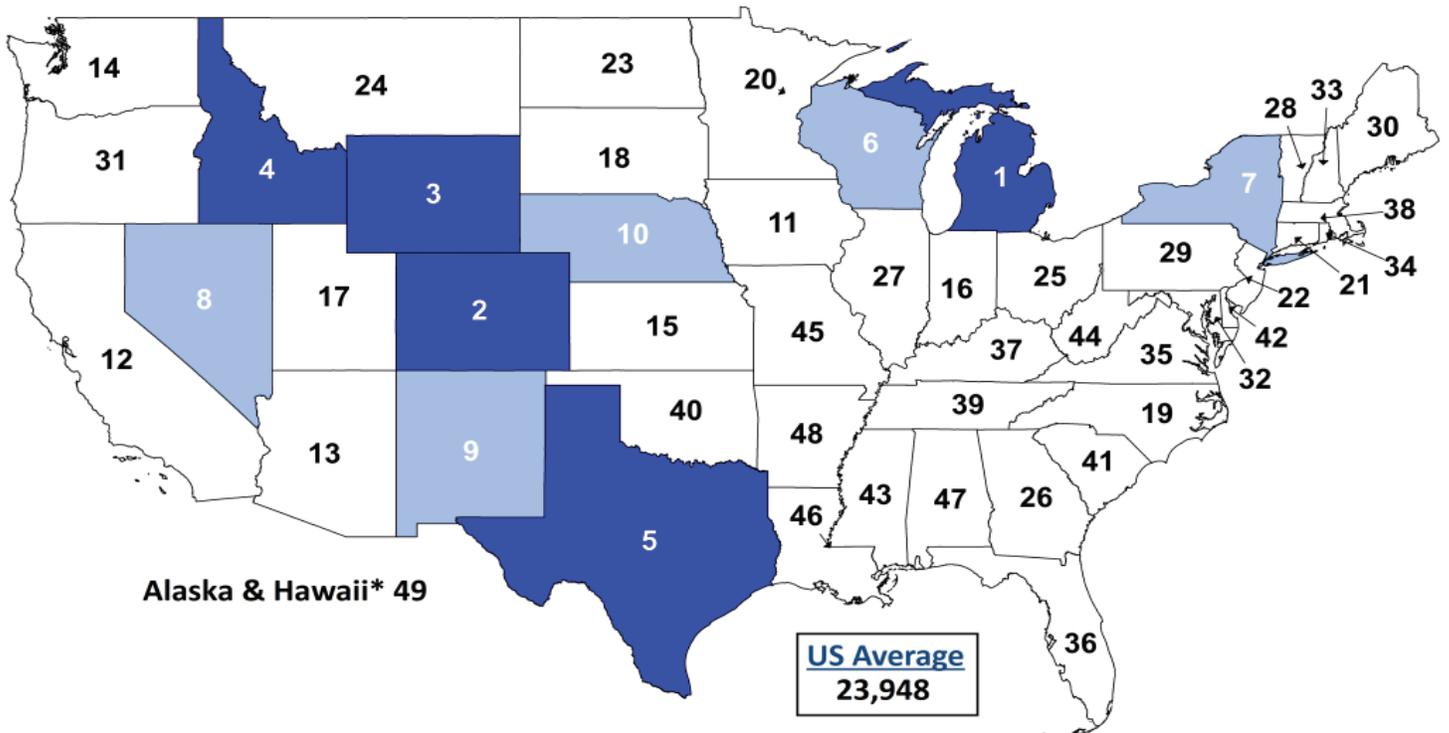


2021 Milk Production: Top Five States

State Rankings



2021 Milk Production Per Cow Ranking Top Ten States Highlighted



Per Capita Milk Production

2021 versus 2020 & 2016 - By State

States	Per Capita Milk Production			Change In Per Capita Milk Production			
	2021	2020	2016	2021 vs 2020		2021 vs 2016	
				Pounds	Percent	Pounds	Percent
1 Idaho	8,633.7	8,787.3	8,708.2	-153.6	-1.7	(74.5)	-0.9
2 Wisconsin	5,376.9	5,218.5	5,213.7	158.4	3.0	163.2	3.1
3 South Dakota	4,024.0	3,517.1	2,947.8	506.9	14.4	1076.2	36.5
4 Vermont	3,974.8	4,051.4	4,367.6	-76.6	-1.9	-392.8	-9.0
5 New Mexico	3,688.3	3,857.7	3,685.0	-169.4	-4.4	3.3	0.1
6 Minnesota	1,848.1	1,781.4	1,749.4	66.7	3.7	98.7	5.6
7 Iowa	1,734.4	1,685.3	1,606.7	49.1	2.9	127.7	7.9
8 Kansas	1,396.5	1,371.3	1,142.8	25.2	1.8	253.7	22.2
9 Michigan	1,189.2	1,160.6	1,092.6	28.6	2.5	96.6	8.8
10 California	1,066.9	1,045.9	1,033.7	21.0	2.0	33.2	3.2
11 Colorado	906.9	890.3	708.0	16.6	1.9	198.9	28.1
12 Washington	840.5	883.2	911.0	-42.7	-4.8	-70.5	-7.7
13 New York	783.4	758.9	752.5	24.5	3.2	30.9	4.1
14 Pennsylvania	780.2	791.3	846.1	-11.1	-1.4	-65.9	-7.8
15 Nebraska	724.7	744.3	733.8	-19.6	-2.6	-9.1	-1.2
16 Utah	666.0	679.5	688.2	-13.5	-2.0	-22.2	-3.2
17 Indiana	665.9	638.7	625.6	27.2	4.3	40.3	6.4
18 Arizona	662.1	681.1	696.5	-19.0	-2.8	-34.4	-4.9
19 Oregon	617.5	621.7	633.5	-4.2	-0.7	-16.0	-2.5
20 Texas	528.3	508.4	385.9	19.9	3.9	142.4	36.9
21 Ohio	479.0	476.5	476.6	2.5	0.5	2.4	0.5
22 North Dakota	432.3	421.1	455.0	11.2	2.7	-22.7	-5.0
23 Maine	416.8	435.3	472.8	-18.5	-4.2	-56.0	-11.8
24 Wyoming	380.6	327.1	238.9	53.5	16.4	141.7	59.3
25 Nevada	257.6	253.0	226.1	4.6	1.8	31.5	13.9
26 Montana	220.1	233.8	283.1	-13.7	-5.9	-63.0	-22.3
27 Kentucky	201.1	208.5	235.8	-7.4	-3.5	-34.7	-14.7
28 Oklahoma	173.6	185.0	176.2	-11.4	-6.2	-2.6	-1.5
29 Virginia	170.2	176.3	204.7	-6.1	-3.5	-34.5	-16.9
30 Georgia	166.5	165.2	177.5	1.3	0.8	-11.0	-6.2
31 Missouri	163.7	176.3	206.8	-12.6	-7.1	-43.1	-20.8
32 New Hampshire	162.7	171.3	213.6	-8.6	-5.0	-50.9	-23.8
33 Maryland	141.9	142.7	159.3	-0.8	-0.6	-17.4	-10.9
34 Illinois	140.0	139.8	149.1	0.2	0.1	-9.1	-6.1
35 Connecticut	120.4	121.7	114.3	-1.3	-1.1	6.1	5.3
36 Florida	99.6	106.0	121.0	-6.4	-6.0	-21.4	-17.7
37 North Carolina	86.9	85.6	95.0	1.3	1.5	-8.1	-8.5
38 Tennessee	72.8	78.3	104.6	-5.5	-7.0	-31.8	-30.4
39 Delaware	51.8	71.1	100.5	-19.3	-27.1	-48.7	-48.5
40 West Virginia	42.1	49.7	73.1	-7.6	-15.3	-31.0	-42.4
41 Mississippi	35.9	44.3	48.2	-8.4	-19.0	-12.3	-25.5
42 South Carolina	30.6	36.3	50.4	-5.7	-15.7	-19.8	-39.3
43 Massachusetts	28.2	28.5	32.4	-0.3	-1.1	-4.2	-13.0
44 Louisiana	27.2	28.8	36.1	-1.6	-5.6	-8.9	-24.7
45 Arkansas	19.8	21.2	26.7	-1.4	-6.6	-6.9	-25.8
46 New Jersey	9.7	10.9	13.7	-1.2	-11.0	-4.0	-29.2
47 Rhode Island	9.2	9.9	13.3	-0.7	-7.1	-4.1	-30.8
48 Alabama	7.7	8.8	18.9	-1.1	-12.5	-11.2	-59.3
49 Alaska/Hawaii	2.5	2.2	17.7	0.3	13.6	-15.2	-85.9
U.S. Totals	681.7	673.6	657.5	8.1	1.2	24.2	3.7

Data Sources:

Milk Production : *Milk Production*, National Agricultural Statistics Service, Agriculture Statistics Board, USDA.
Population : U.S. Census Bureau, Department of Commerce. (July 1st population estimates for each year.)



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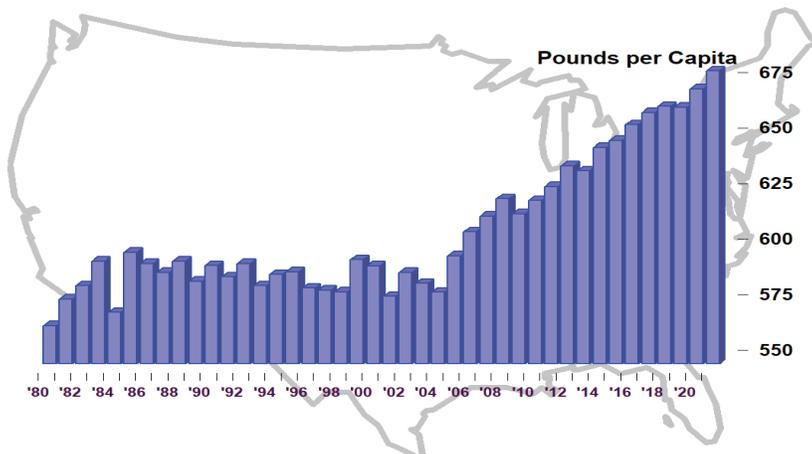
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	Statistical Uniform Price		Producer Price Differential		Class I Utilization	
	Jan '22	Dec '21	Jan '22	Dec '21	Jan '22	Dec '21
Northeast	22.74	20.49	2.36	2.13	31.41	31.75
Appalachian	23.72	22.08	-----	-----	71.62	73.37
Florida	25.49	23.97	-----	-----	82.56	83.54
Southeast	24.17	22.28	-----	-----	77.27	69.97
Upper Midwest	20.59	18.61	0.21	0.25	8.52	9.86
Central	21.09	19.03	0.71	0.67	30.22	31.26
Mideast	21.34	19.35	0.96	0.99	36.04	34.77
California	21.25	19.33	0.87	0.97	22.06	24.11
Pacific Northwest	21.49	19.12	1.11	0.76	19.63	19.63
Southwest	21.63	19.77	1.25	1.41	30.44	30.48
Arizona	22.44	20.07	-----	-----	27.34	30.46

U.S. Milk Production Per Capita



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