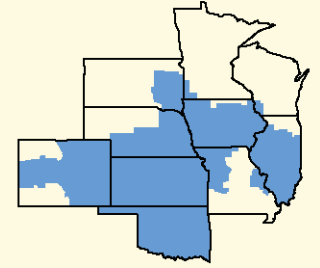


# Bulletin

*Facilitating the efficient marketing of milk and dairy products.*



**CENTRAL MARKETING AREA**



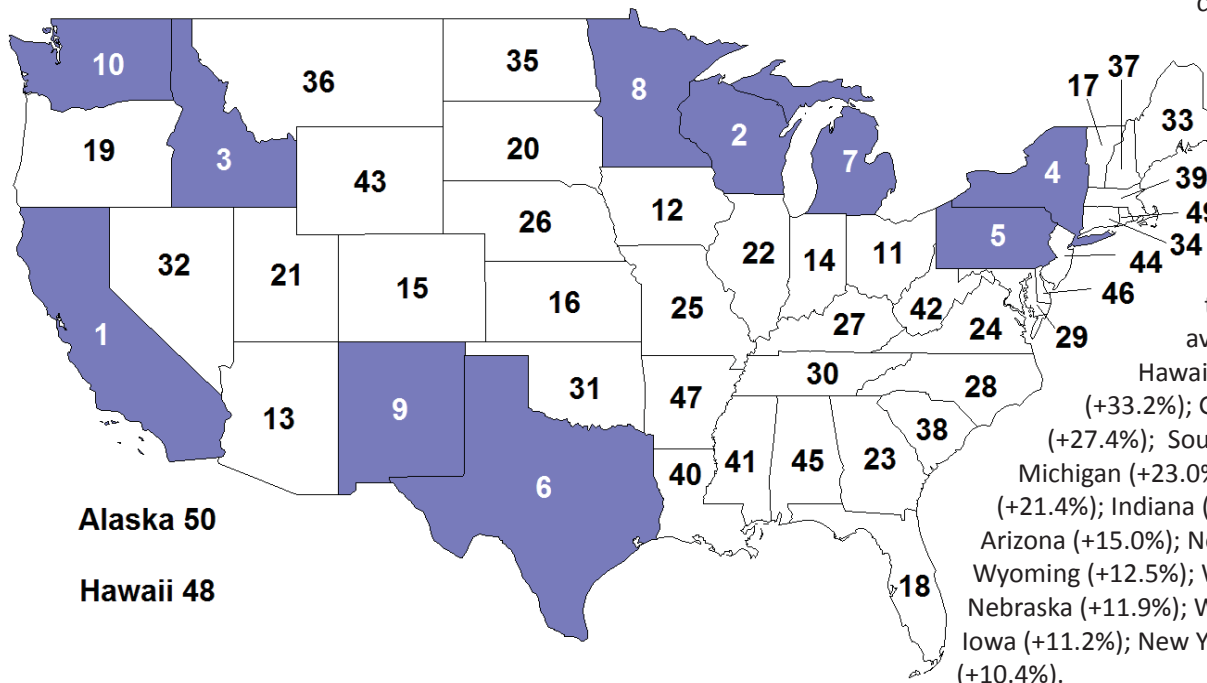
## 2015 Milk Production

U.S. milk production in 2015 totaled 208.6 billion pounds, an increase of more than 2.5 billion pounds over 2014. The 2015 total is a record high for the sixth consecutive year, and is an increase of 1.3% over the 206.1 billion pounds produced in 2014. Milk production has exceeded year earlier totals during 17 of the last 19 years, with the exceptions occurring during 2001 and 2009. Production has increased by 15.8 billion pounds over the past five years (2015 versus 2010), a gain of 8.2%.

Twenty-eight states registered annual milk production increases during 2015, with a combined increase of 3.3% compared with 2014. Hawaii recorded the largest percentage gain, with milk production increasing 17.1%. Five other states recorded increases of five percent or more: South Dakota (+11.8%); Nebraska (+9.4%); Kentucky (+7.2%); Michigan (+6.7%); and Georgia (+6.3%). Eighteen states posted production decreases during 2015, with combined production falling 2.7% compared with 2014. Six states reported annual decreases of five percent or more, with Mississippi's 12.2% decrease being the largest. Other states posting declines of more than five percent were: Louisiana (-7.8%); Alabama (-7.3%); Rhode Island (-7.0%); Massachusetts (-6.9%); and Arkansas (-5.2%). Annual milk production for four states (New Hampshire, New Jersey, Vermont, & Alaska) was unchanged in 2015.

The map on this page ranks milk production by state for 2015, 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 (2015 versus 2010).

## 2015 Milk Production Ranking Top Ten States Highlighted



Thirty-one states recorded milk production increases comparing 2015 with 2010. The combined production for these states represented 92.1% of total 2015 US milk production, and the combined increase for these 31 states was 9.6%. Nineteen states posted increases larger than the 31 state percentage average. These were: Hawaii (+38.3%); Colorado (+33.2%); Georgia (+28.7%); Kansas (+27.4%); South Dakota (+25.2%); Michigan (+23.0%); Utah (+22.2%); Florida (+21.4%); Indiana (+18.0%); Texas (+16.6%); Arizona (+15.0%); North Carolina (+14.1%); Wyoming (+12.5%); Washington (+11.9%); Nebraska (+11.9%); Wisconsin (+11.50%); Iowa (+11.2%); New York (+10.9%); and Idaho (+10.4%).

The remaining 19 states registered a combined 5.6% production decrease comparing 2015 with 2010, and these states accounted for 7.9% of the 2015 U.S. milk production total. Fourteen states recorded decreases greater than the 5.6% average percentage loss. These were: Alaska (-50.7%); Arkansas (-40.5%); Alabama (-36.5%); Mississippi (-26.0%); Oklahoma (-24.9%); Louisiana (-20.0%); Rhode Island (-18.5%); North Dakota (-13.5%); Tennessee (-12.7%); Massachusetts (-10.3%); West Virginia (-10.2%); New Jersey (-9.3%); South Carolina (-8.7%); and Kentucky (-6.8%).

## Annual Milk Production

### Top Five Dairy States

The graph on this page depicts annual production since 2000 for the nation's top five milk producing states. Four of these states recorded increases comparing 2015 with 2014 -- Wisconsin (+4.4%), New York (+2.7%), Idaho (+1.7%), and Pennsylvania (+1.3%). California was the only top five state to post a decrease, with production falling by 3.4%. Comparing 2015 with 2000, Idaho's production increased by 95.4%, California's by 26.7%, Wisconsin's by 24.8%, and New York's by 18.3%. Pennsylvania was the only state among the top five to register a decrease, with production falling by 3.1%.

The map on page 6 provides a ranking of states based on 2015 milk production per cow. California, Idaho, Michigan, New Mexico, and Washington are states ranked in the top ten in both total milk production and production per cow. Idaho (24,126 lbs./cow), California (23,002 lbs./cow), New York (22,816 lbs./cow), and Wisconsin (22,697 lbs./cow) were top five milk production states that were also above the 2015 national average of 22,393 pounds per cow.

### 2015 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 2015, 2014, and 2010. This table lists the states in descending order based on 2015 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, Idaho, Michigan, Minnesota, New Mexico, and Wisconsin.

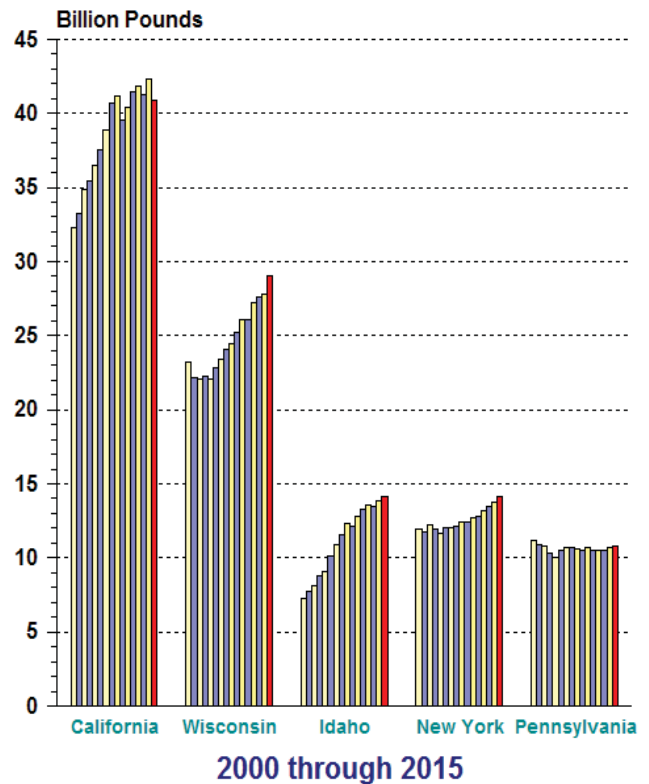
Data used in these calculations indicates per capita production for 2015 was 649.1 pounds, up 3.0 pounds (+0.5%) compared with 2014. Twenty-six states reported annual per capita increases during 2015, with Hawaii (+15.6%) posting the largest gain. Five other states had an increase greater than five percent, South Dakota (+11.1%), Nebraska (+8.6%), Kentucky (+6.9%), Michigan (+6.6%), and Georgia (+5.0%). Mississippi recorded the largest per capita production decline during 2015, with a loss of 12.3%. Five additional states recorded decreases of five percent or more compared with 2014.

Per capita production for the U.S. increased by 24.5 pounds (+3.9%) between 2010 and 2015. Twenty-six states recorded increases in per capita milk production, led by Hawaii's 31.2% gain. Eight additional states increased per capita production by 10% or more comparing 2015 with 2010. Alaska recorded the largest decrease, with per capita production falling by 53.0%. Six additional states posted declines of more than 20%, while five states reported decreases between 10% and 20%.

The map on the top of page 3 depicts per capita milk production by state for 2015. 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 2010 and 2015. 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 2010 to 2015.

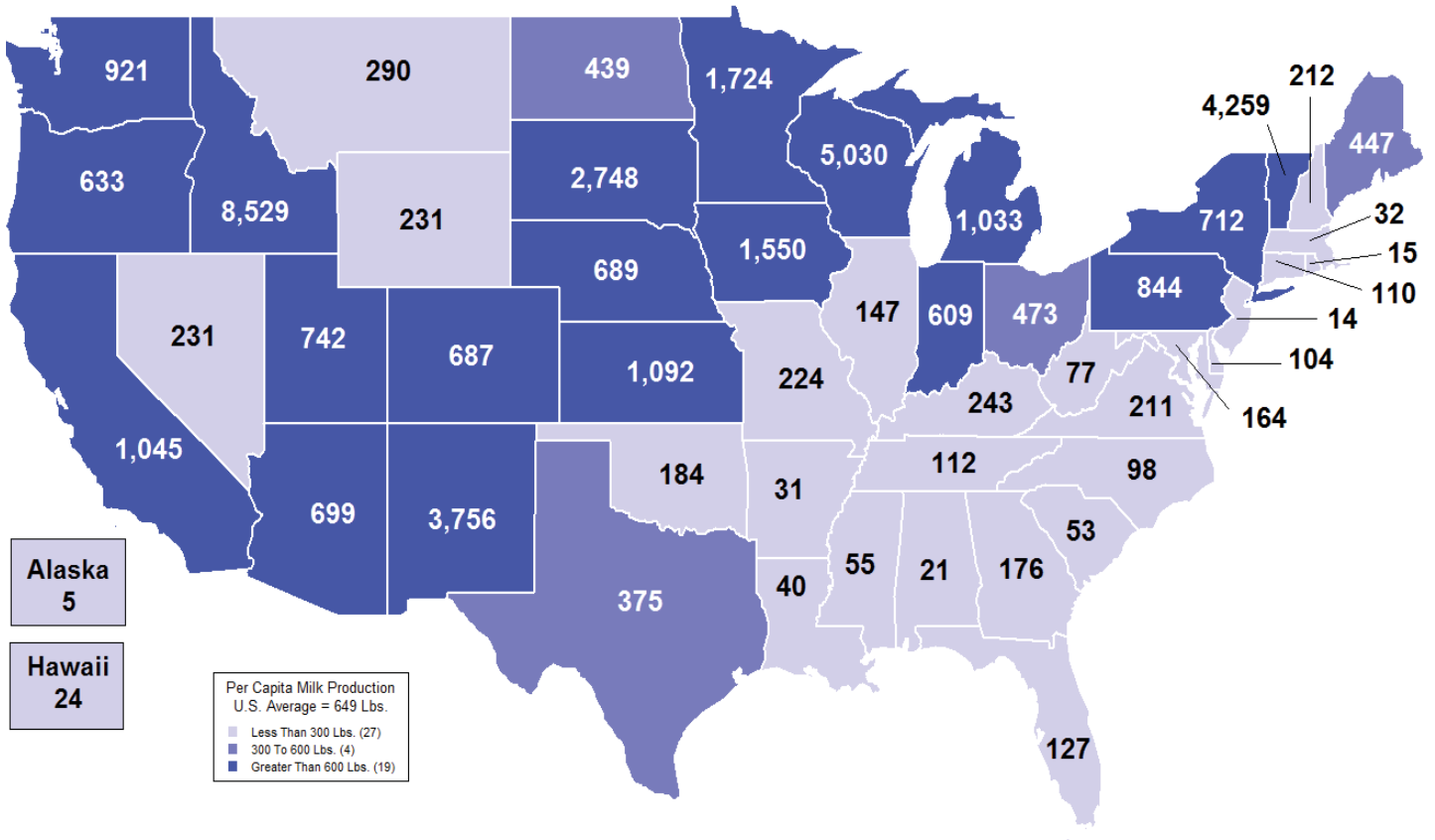
The graph on page 6 provides a ranking of the top five milk producing states in total milk production, production per cow, and production per capita. The graph on the last page of this Bulletin depicts milk production per capita for the U.S. over the last 36 years.



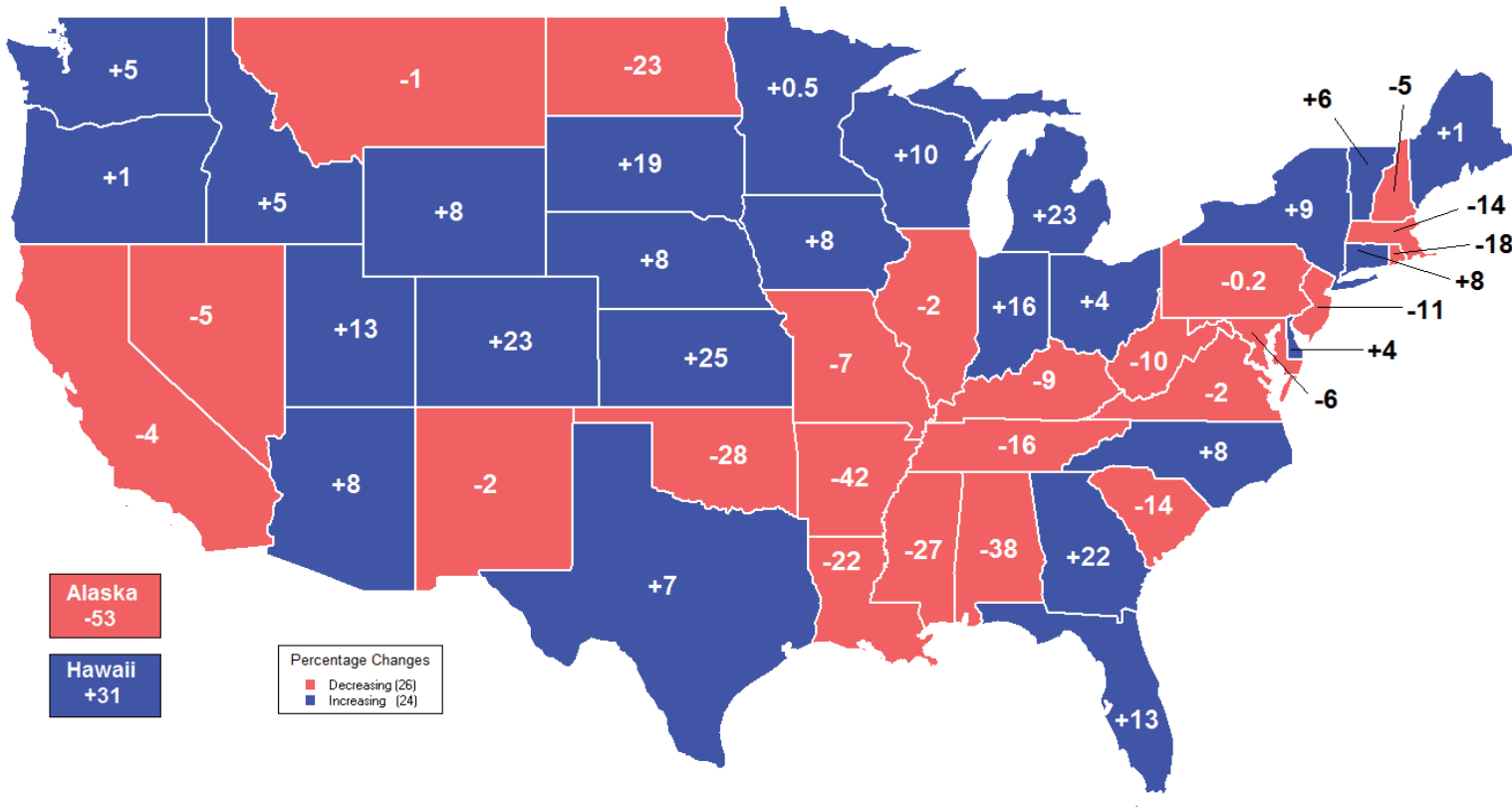
### Percentage of 2015 U.S. Totals

	U.S. Milk Production	U. S. Population Estimate
California	19.60	12.18
Wisconsin	13.91	1.80
Idaho	6.77	0.52
New York	6.76	6.16
Pennsylvania	5.18	3.98
<b>5-State Total</b>	<b>52.22</b>	<b>24.63</b>

# 2015 Per Capita Milk Production



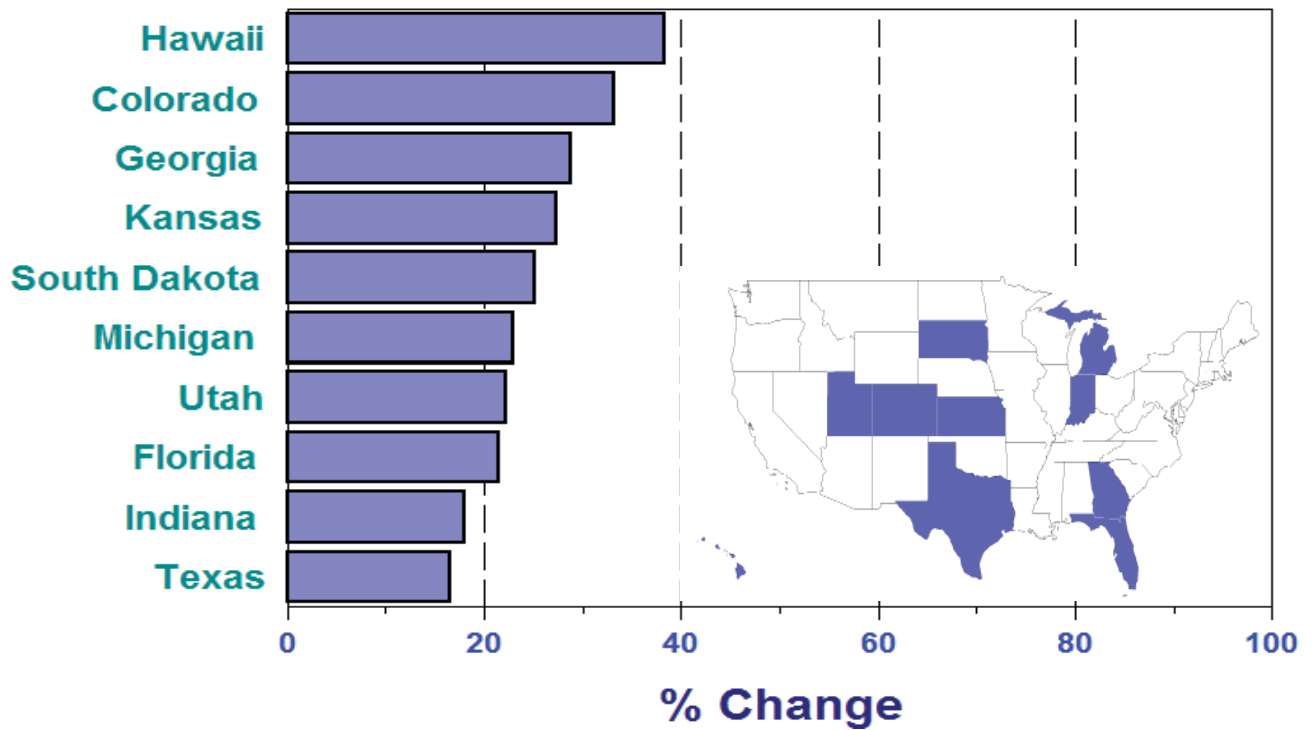
# Percent Change In Per Capita Milk Production 2015 vs 2010



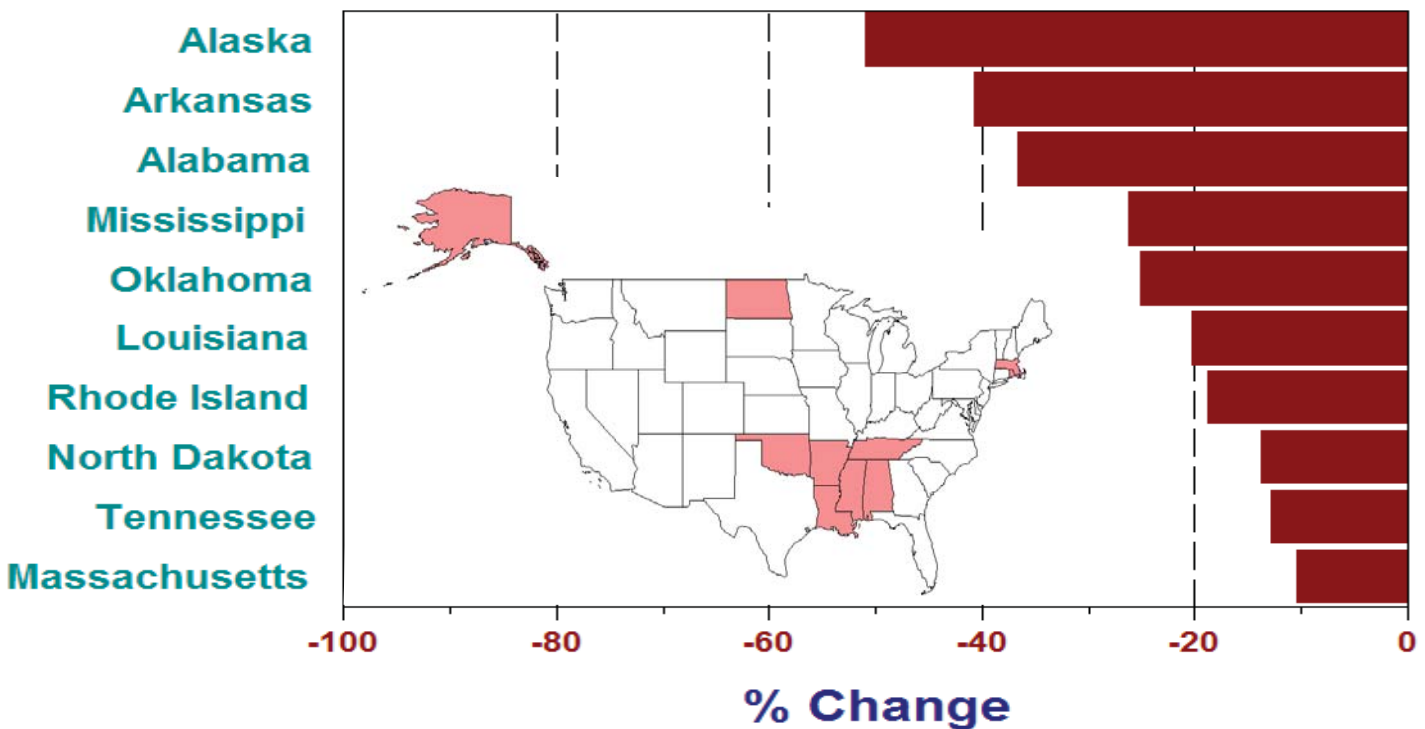
# Milk Production: 2015 vs 2010

U.S. Average = +8.2%

## Largest Production Increases



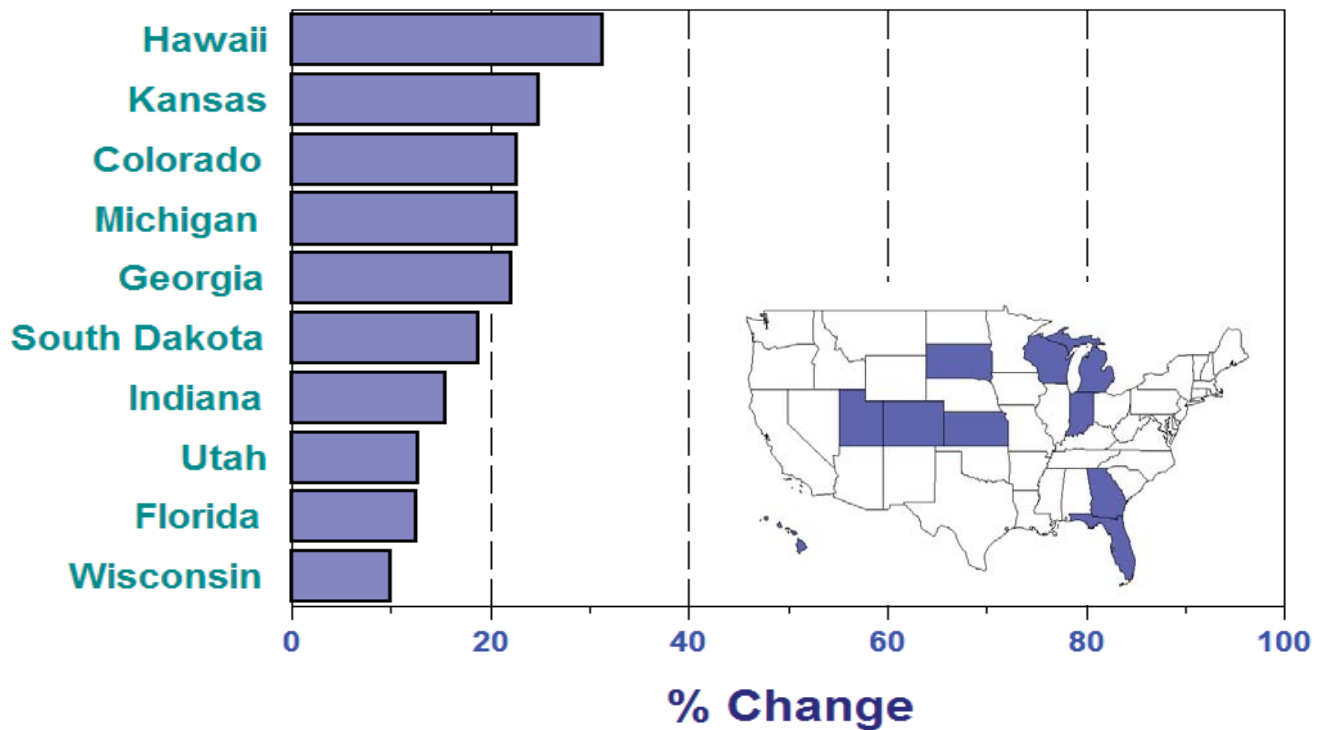
## Largest Production Decreases



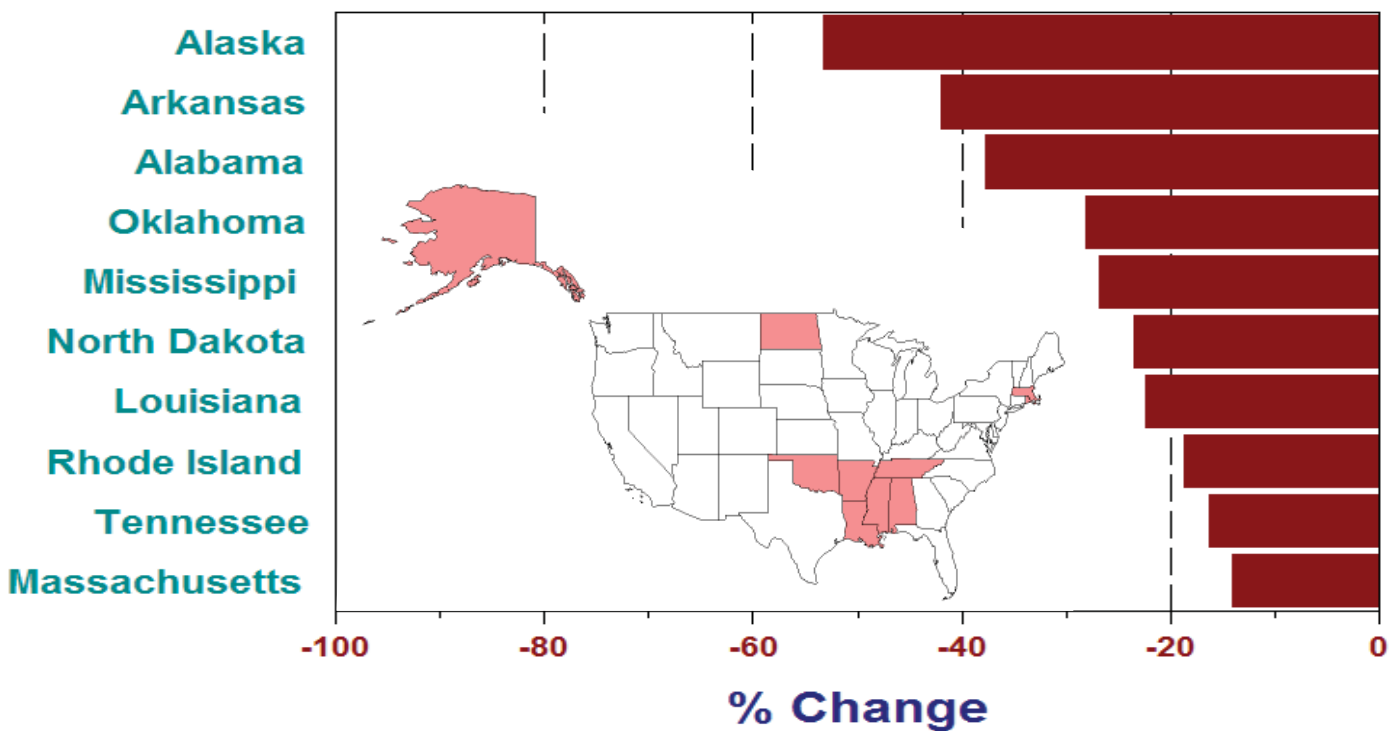
# Per Capita Milk Production: 2015 vs 2010

U.S. Average = +3.9%

## Largest Per Capita Increases

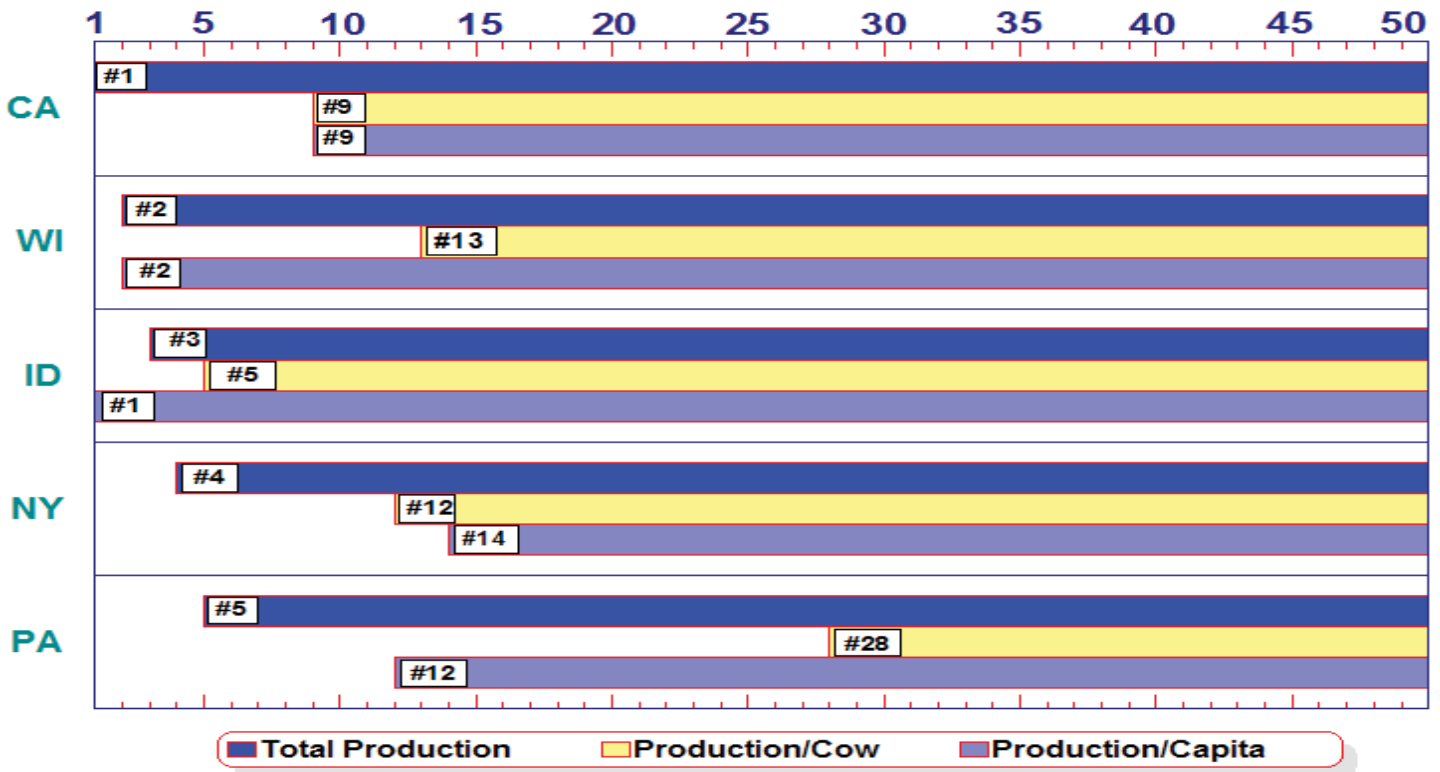


## Largest Per Capita Decreases

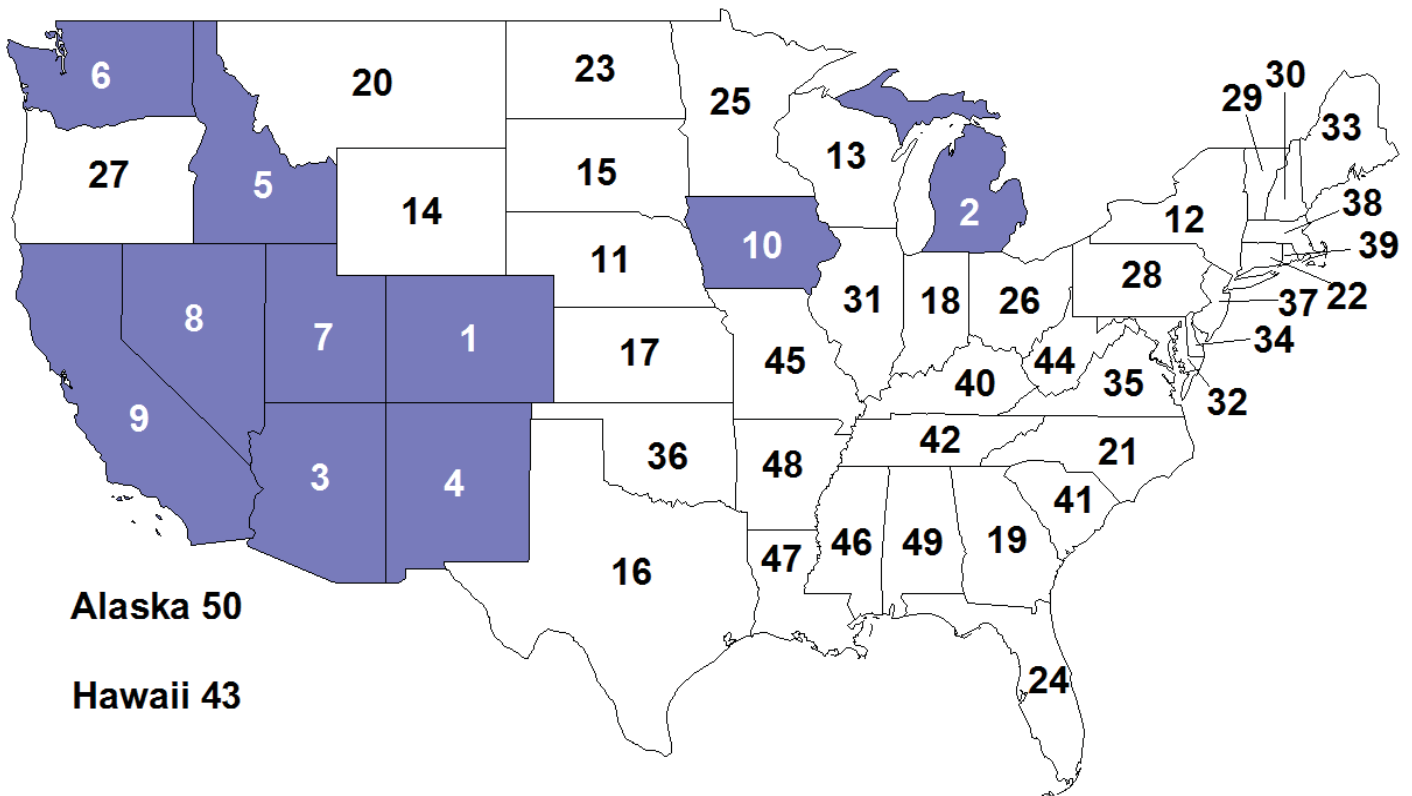


# 2015 Milk Production: Top Five States

## State Rankings



## 2015 Milk Production Per Cow Ranking Top Ten States Highlighted



# Per Capita Milk Production

2015 versus 2014 & 2010 - By State

States	Per Capita Milk Production			Change In Per Capita Milk Production			
	2015	2014	2010	2015 vs 2014		2015 vs 2010	
				Pounds	Percent	Pounds	Percent
1 Idaho	8,528.5	8,486.0	8,152.0	42.5	0.5	376.5	4.6
2 Wisconsin	5,030.0	4,826.0	4,578.0	204.0	4.2	452.0	9.9
3 Vermont	4,258.5	4,253.6	4,028.8	4.9	0.1	229.7	5.7
4 New Mexico	3,755.7	3,886.2	3,827.3	-130.5	-3.4	-71.6	-1.9
5 South Dakota	2,747.9	2,472.7	2,314.0	275.2	11.1	433.9	18.8
6 Minnesota	1,724.4	1,672.5	1,716.1	51.9	3.1	8.3	0.5
7 Iowa	1,549.7	1,494.5	1,428.6	55.2	3.7	121.1	8.5
8 Kansas	1,091.8	1,072.9	874.8	18.9	1.8	217.0	24.8
9 California	1,044.8	1,091.4	1,084.0	-46.6	-4.3	-39.2	-3.6
10 Michigan	1,033.3	969.0	843.1	64.3	6.6	190.2	22.6
11 Washington	921.3	931.0	877.5	-9.7	-1.0	43.8	5.0
12 Pennsylvania	844.0	833.5	845.3	10.5	1.3	-1.3	-0.2
13 Utah	741.7	741.7	658.1	0.0	0.0	83.6	12.7
14 New York	712.3	695.2	656.0	17.1	2.5	56.3	8.6
15 Arizona	699.0	698.9	649.1	0.1	0.0	49.9	7.7
16 Nebraska	689.3	634.6	639.5	54.7	8.6	49.8	7.8
17 Colorado	687.2	670.9	559.9	16.3	2.4	127.3	22.7
18 Oregon	633.2	642.1	626.2	-8.9	-1.4	7.0	1.1
19 Indiana	608.8	589.9	526.9	18.9	3.2	81.9	15.5
20 Ohio	473.0	467.8	456.8	5.2	1.1	16.2	3.5
21 Maine	446.8	450.3	441.9	-3.5	-0.8	4.9	1.1
22 North Dakota	438.6	437.8	570.9	0.8	0.2	-132.3	-23.2
23 Texas	374.8	382.1	351.1	-7.3	-1.9	23.7	6.8
24 Montana	289.5	294.2	292.1	-4.7	-1.6	-2.6	-0.9
25 Kentucky	242.7	227.1	265.5	15.6	6.9	-22.8	-8.6
26 Nevada	231.4	243.1	243.7	-11.7	-4.8	-12.3	-5.0
27 Wyoming	231.0	221.6	213.6	9.4	4.2	17.4	8.1
28 Missouri	224.4	228.1	241.3	-3.7	-1.6	-16.9	-7.0
29 New Hampshire	211.9	212.4	223.3	-0.5	-0.2	-11.4	-5.1
30 Virginia	211.3	213.6	214.8	-2.3	-1.1	-3.5	-1.6
31 Oklahoma	184.1	187.1	255.6	-3.0	-1.6	-71.5	-28.0
32 Georgia	175.9	167.5	144.1	8.4	5.0	31.8	22.1
33 Maryland	163.7	165.2	173.4	-1.5	-0.9	-9.7	-5.6
34 Illinois	147.1	143.6	149.4	3.5	2.4	-2.3	-1.5
35 Florida	127.4	126.0	113.1	1.4	1.1	14.3	12.6
36 Tennessee	112.4	113.8	133.9	-1.4	-1.2	-21.5	-16.1
37 Connecticut	110.3	106.5	101.8	3.8	3.6	8.5	8.3
38 Delaware	104.1	103.1	100.2	1.0	1.0	3.9	3.9
39 North Carolina	98.2	96.7	90.6	1.5	1.6	7.6	8.4
40 West Virginia	76.5	75.7	84.7	0.8	1.1	-8.2	-9.7
41 Mississippi	55.1	62.8	75.2	-7.7	-12.3	-20.1	-26.7
42 South Carolina	53.3	54.5	61.8	-1.2	-2.2	-8.5	-13.8
43 Louisiana	40.3	43.9	51.8	-3.6	-8.2	-11.5	-22.2
44 Massachusetts	31.9	34.5	37.0	-2.6	-7.5	-5.1	-13.8
45 Arkansas	30.6	32.4	52.5	-1.8	-5.6	-21.9	-41.7
46 Hawaii	24.4	21.1	18.6	3.3	15.6	5.8	31.2
47 Alabama	20.8	22.5	33.3	-1.7	-7.6	-12.5	-37.5
48 Rhode Island	15.1	16.2	18.5	-1.1	-6.8	-3.4	-18.4
49 New Jersey	14.2	14.2	15.9	0.0	0.0	-1.7	-10.7
50 Alaska	4.7	4.7	10.0	0.0	0.0	-5.3	-53.0
<b>U.S. Totals</b>	<b>649.1</b>	<b>646.1</b>	<b>624.6</b>	<b>3.0</b>	<b>0.5</b>	<b>24.5</b>	<b>3.9</b>

**Data Sources:**

**Milk Production :** *Milk Production*, National Agricultural Statistics Service, Agriculture Statistics Board, USDA.  
**Population :** U.S. Census Bureau, Department of Commerce. ( July 1st estimates for 2014 & 2015; Census data for 2010)





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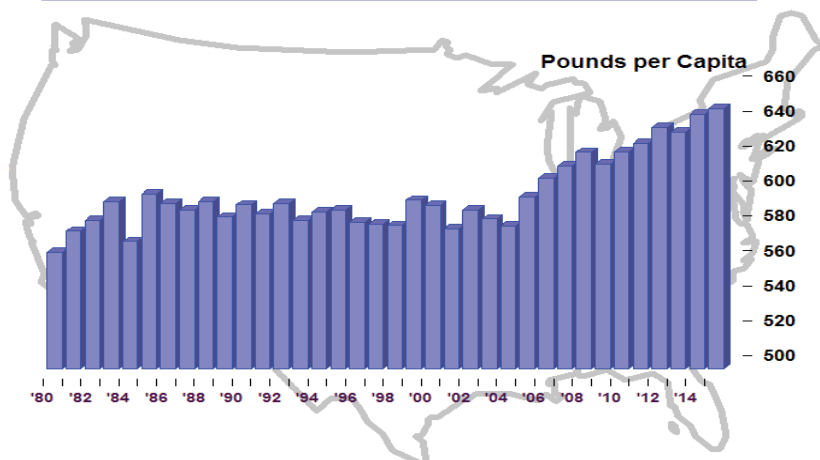
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	Statistical Uniform Price		Producer Price Differential		Class I Utilization	
	<u>1/2016</u>	<u>12/2015</u>	<u>1/2016</u>	<u>12/2015</u>	<u>1/2016</u>	<u>12/2015</u>
Northeast	15.52	17.27	1.80	2.83	33.80	35.53
Appalachian	17.03	18.68	-----	-----	70.46	67.30
Florida	19.34	20.99	-----	-----	84.57	85.24
Southeast	17.60	19.34	-----	-----	72.83	74.43
Upper Midwest	13.95	14.86	0.23	0.42	9.14	10.01
<b>Central</b>	<b>14.38</b>	<b>15.75</b>	<b>0.66</b>	<b>1.31</b>	<b>30.46</b>	<b>31.76</b>
Mideast	14.60	16.13	0.88	1.69	32.17	34.76
Pacific Northwest	14.15	15.68	0.43	1.24	22.05	23.46
Southwest	15.35	16.51	1.63	2.07	31.87	31.31
Arizona	14.50	16.24	-----	-----	24.91	27.23

**U.S. Milk Production Per Capita**



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