

# MARKETING SERVICE

## BULLETIN

### 2010 Milk Production

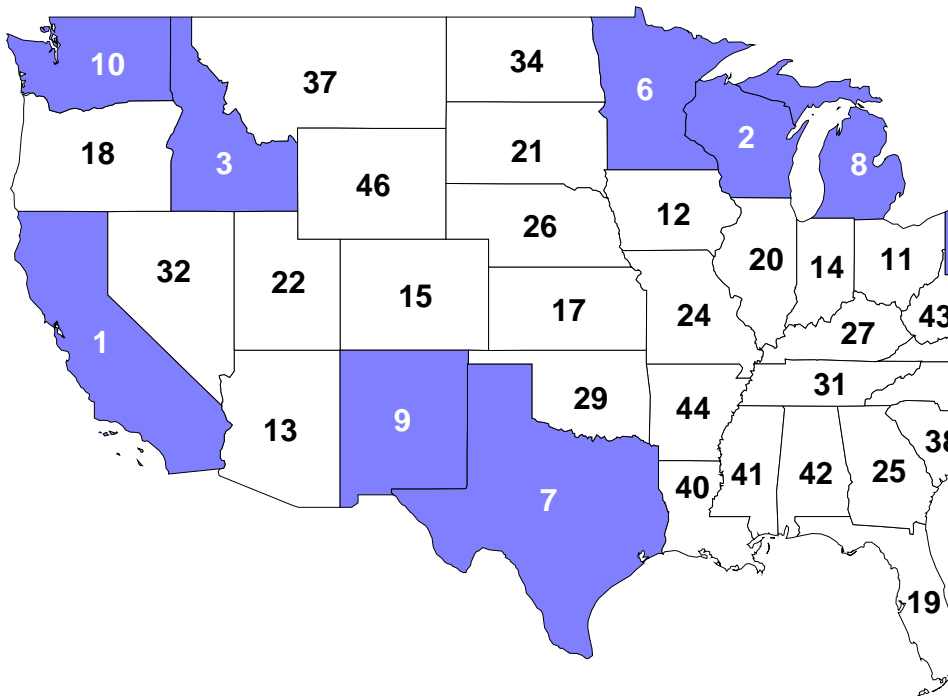
U.S. milk production during 2010 totaled 192.8 billion pounds, an increase of 3.5 billion pounds over 2009. The 2010 total is an increase of 1.84% over the 189.3 billion pounds produced in 2009

and is a new U.S. milk production record, surpassing the prior record 190.0 billion pounds produced in 2008. Milk production has exceeded year earlier totals during twelve of the last fourteen years, with the two exceptions occurring during 2001 and 2009. Production in the U.S. has increased by 15.9 billion pounds over the past five years (2010 versus 2005), a gain of 9.0%.

Twenty-two states registered annual milk production increases during 2010, with a combined increase of 2.8% compared with 2009. Hawaii recorded the largest percentage gain, with milk production increasing 18.8%. Alaska (+18.3%) and Wyoming (+15.0%) were the only other states that registered a double-digit percentage increase in annual milk production. Three additional states recorded increases of five percent or more: Oregon (+6.7%); Washington (+6.1%); and Idaho (+5.2%). Conversely, eight states reported annual decreases of five percent or more, with Louisiana's 13.9% decrease being the largest. Other states posting declines of more than five percent were:

New Jersey (-13.0%); Delaware (-11.8%); South Carolina (-11.5%); Mississippi (-10.8%); Missouri (-7.8); Arkansas (-6.7%); and Tennessee (-6.5%).

### 2010 Milk Production Ranking Top Ten States Highlighted



In total, twenty-eight states posted production decreases during 2010, with production falling 1.5% compared with 2009.

The map on this page ranks milk production by state for 2010, 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 (2010 versus 2005).

Twenty-three states recorded milk production increases comparing 2010 with 2005. The combined production increase for these states was 12.1%, and represented 89.8% of the total US milk production. Six of these states posted increases larger than the 23-state percentage average. These six were the following: Wyoming (+65.2%); Texas (+37.0%); South Dakota (+31.1%); Idaho (+25.8%); Michigan (+23.4%); and Colorado (+19.9%). Other states to post double digit increases compared with 2005 were: Nevada (+14.4%); Wisconsin (+13.9%); New Mexico (+13.4%); Ohio (+11.1%); Minnesota (+11.1%); and Arizona (+10.9%).

The remaining twenty-seven states with production decreases were down a combined 12.6%. These states accounted for 10.2% of the total US milk production. Twelve states recorded decreases greater than the average percentage loss. These were: Hawaii (-63.6%); Arkansas (-48.3%); Alaska (-47.4%); Louisiana (-45.9%); Mississippi (-41.6%); Delaware (-31.1%); Alabama (-29.0%); New Jersey (-27.1%); Missouri (-22.9%); Tennessee (-22.9%); Oklahoma (-22.4%); and Montana (-22.3%).

FEBRUARY 2011



# Annual Milk Production

## Top Five Dairy States

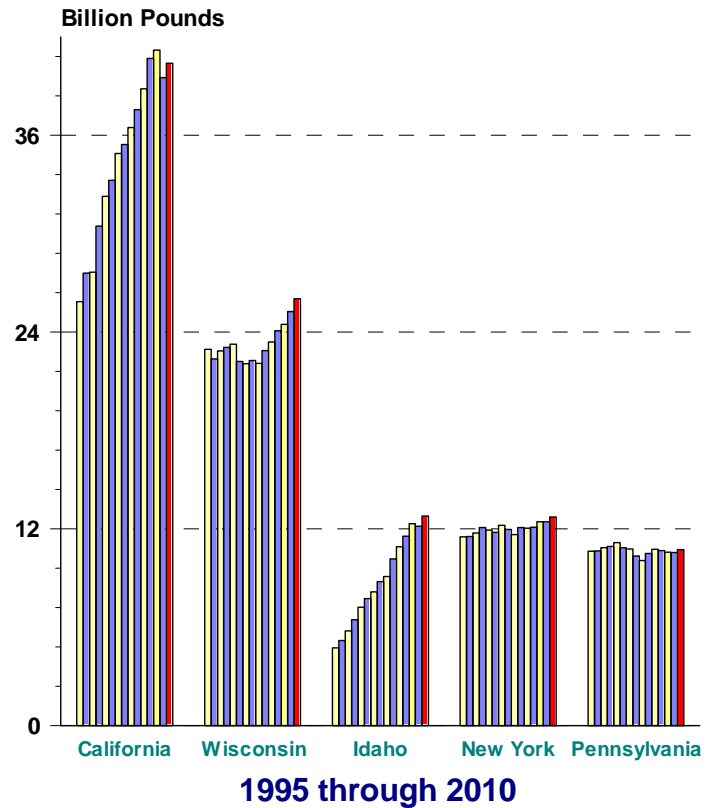
The graph at the right depicts annual milk production since 1995 for the nation's top five milk producing states. All five of the top producing states recorded increases comparing 2010 with 2009: Idaho (+5.2%); Wisconsin (+3.2%); New York (+2.3%); California (+2.2%); and Pennsylvania (+1.7%). Comparing 2010 with 1995, California milk production increased by 59.3%, while Idaho's increased by 203.5%. Wisconsin (+13.5%) posted the third largest increase among the top five states, followed by New York (+9.6%) and Pennsylvania (+1.3%).

The map on page 6 provides a ranking of states based on 2010 milk production per cow. California, Idaho, Michigan, New Mexico, Texas, and Washington are states ranked in the top ten in both total milk production and production per cow. California (23,025 lbs./cow) and Idaho (22,658 lbs./cow) were the only top five milk producing states with production per cow above the 2010 national average of 21,149 pounds.

### 2010 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 2010, 2009, and 2005. This table lists the states in descending order based on 2010 per capita production. The 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, Minnesota, New Mexico, Washington, and Wisconsin.



Data used in these calculations indicates that per capita production for 2010 was 623.9 pounds, up 6.5 pounds (+1.1%) compared with 2009. Twenty-one states reported annual per capita increases during 2010, with Hawaii (+18.2%) posting the largest gain. Alaska (+16.3%); Wyoming (+14.4%); and Oregon (+5.8%) were other states with an increase of five percent or greater. Louisiana recorded the largest per capita production decline during 2010, with a loss of 14.6%. Eight additional states recorded decreases of five percent or more compared with 2009, with New Jersey (-13.5%); Delaware (-12.5%); South Carolina (-12.3%); and Mississippi (-11.1) posting losses of more than 10%.

Per capita production for the U.S. increased by 25.4 pounds (+4.2%) between 2005 and 2010. Nineteen states recorded increases in per capita milk production, led by Wyoming's 52.6% gain. Six additional states increased per capita production by more than 10%, with Michigan (+25.4%) posting a per capita increase more than 25%, comparing 2010 with 2005. Hawaii and Arkansas recorded the largest decreases, with per capita production falling by 64.7% and 50.7%, respectively. Thirteen additional states posted declines of more than 20%, while four states reported decreases between 10% and 20%.

The map on the top of page 3 depicts per capita milk production by state for 2010. The 300 and 600 pound levels of per capita production are arbitrary divisions selected for this map. The 600 pound level approximates total annual per capita dairy consumption 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.

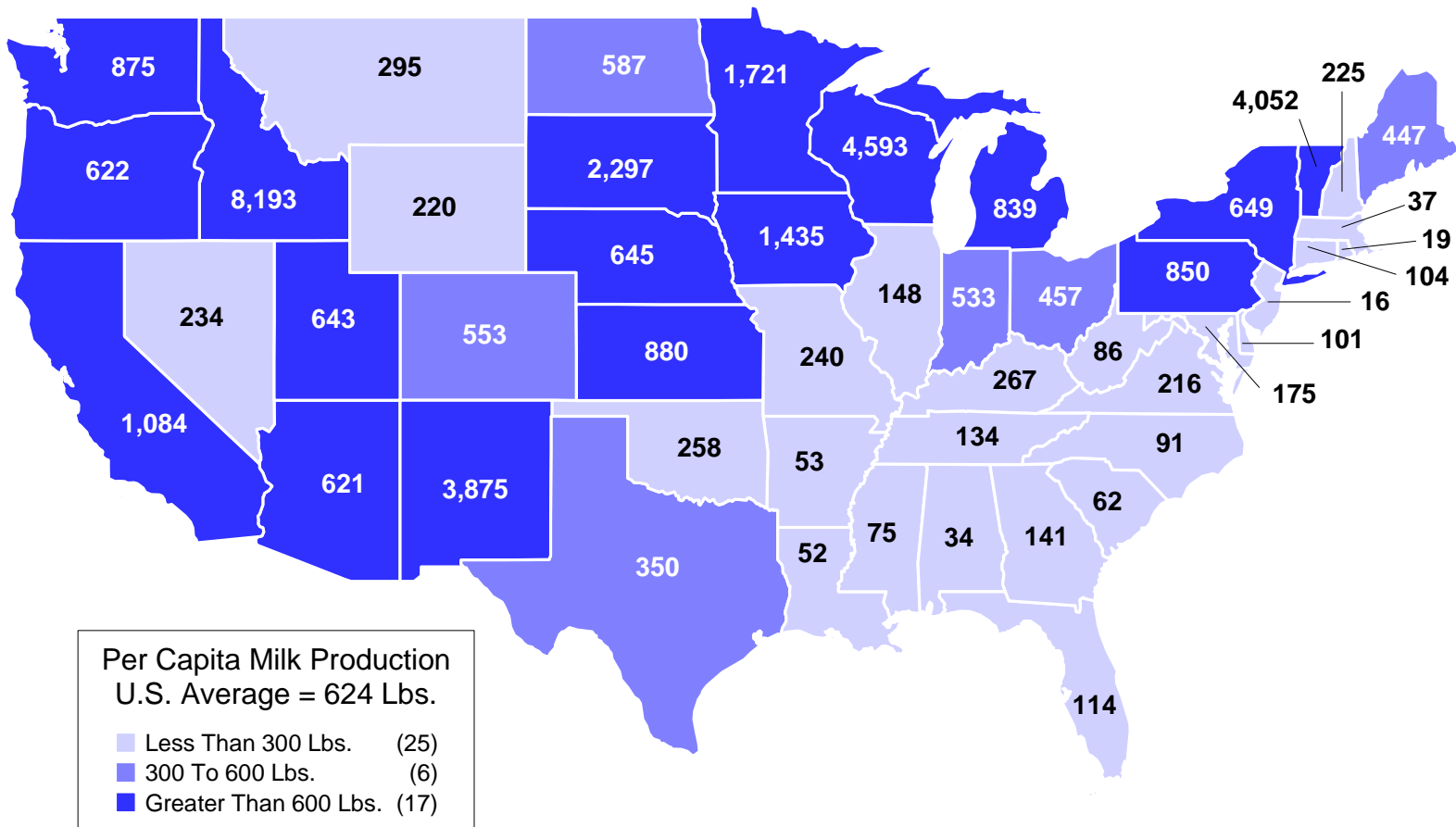
The map at the bottom of page 3 displays the percentage change in per capita milk production by state between 2005 and 2010. The data represented by this map reflects changes in production combined with population changes. The graphics on page 5 depict the states with the largest percentage increases and decreases from 2005 to 2010.

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 31 years.

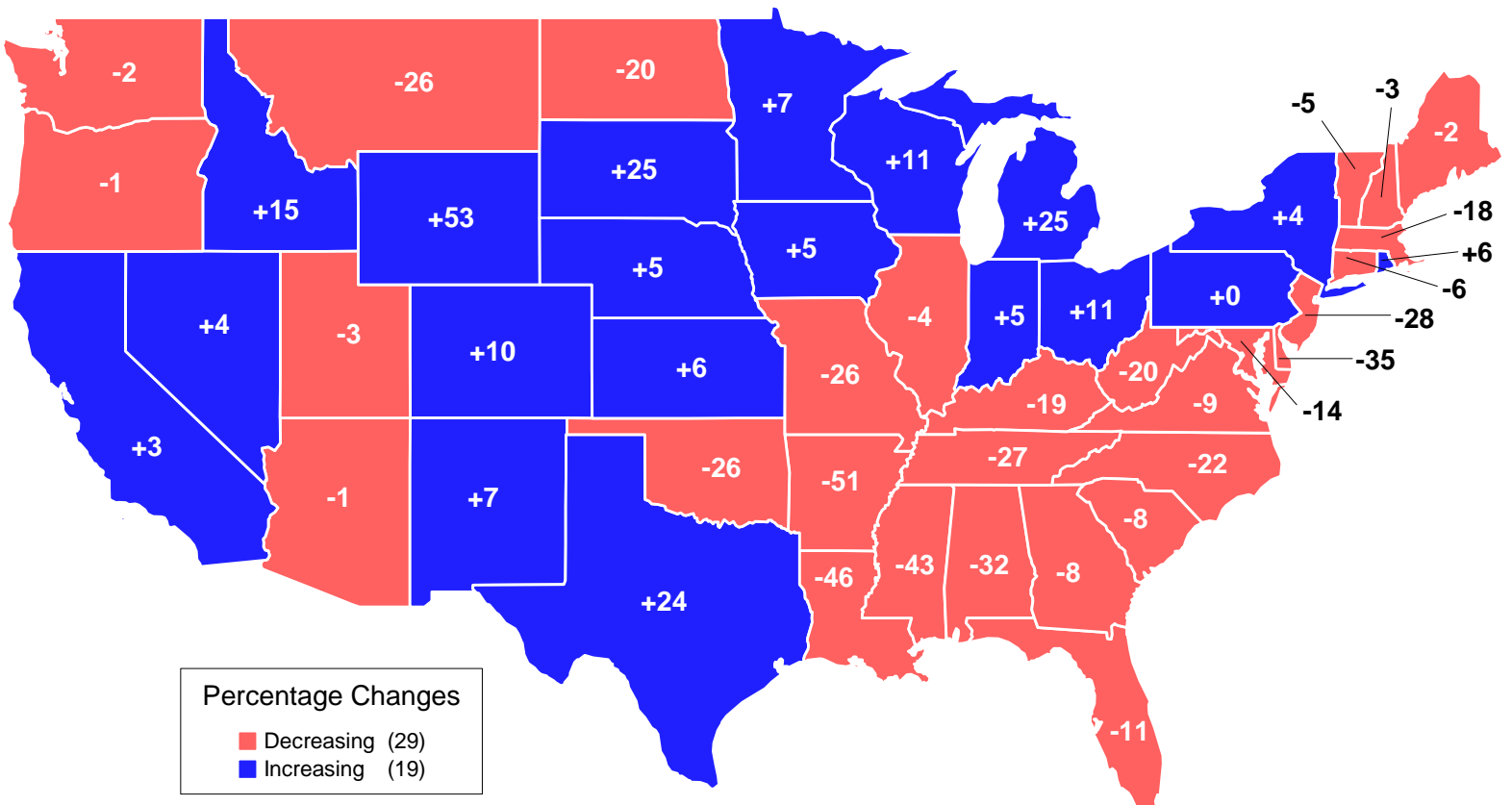
### Percentage of 2010 U.S. Totals

	U.S. Milk Production	U.S. Population Estimate
California	20.95	12.06
Wisconsin	13.50	1.83
Idaho	6.63	0.50
New York	6.59	6.33
Pennsylvania	5.57	4.09
<b>5-State Total</b>	<b>53.23</b>	<b>24.82</b>

# 2010 Per Capita Milk Production



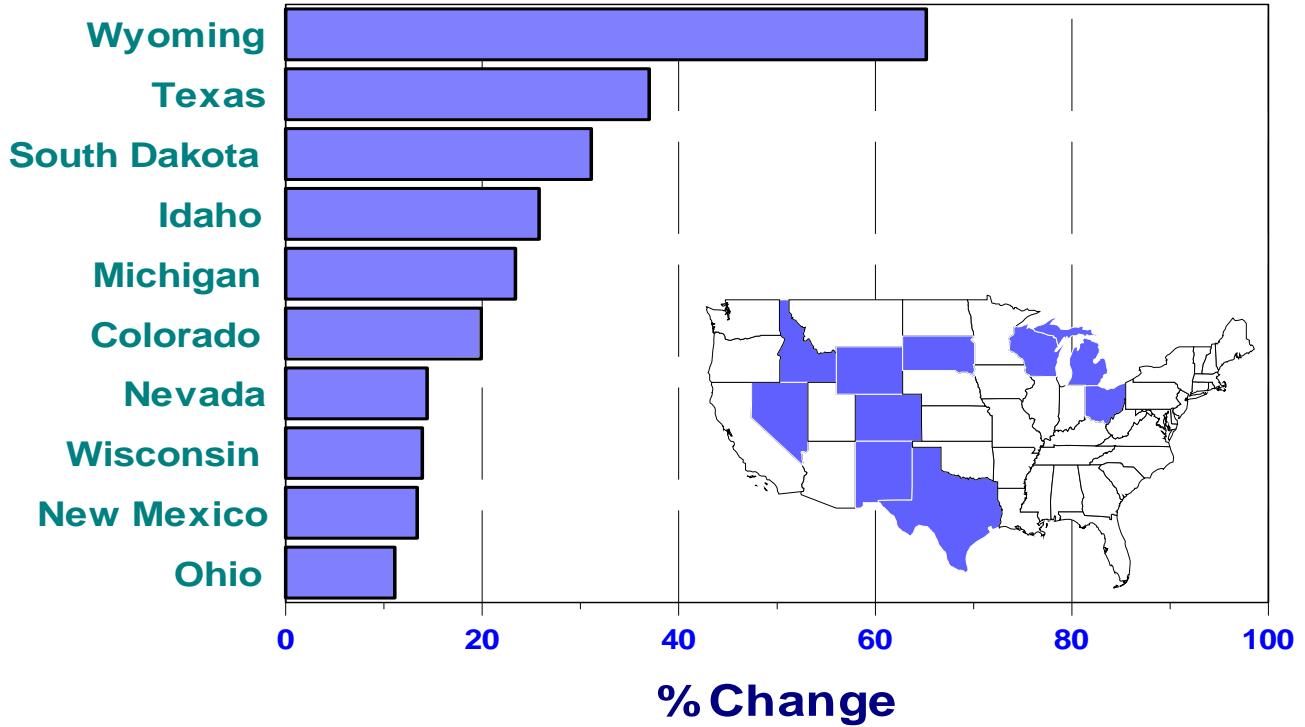
# Percent Change In Per Capita Milk Production 2010 vs 2005



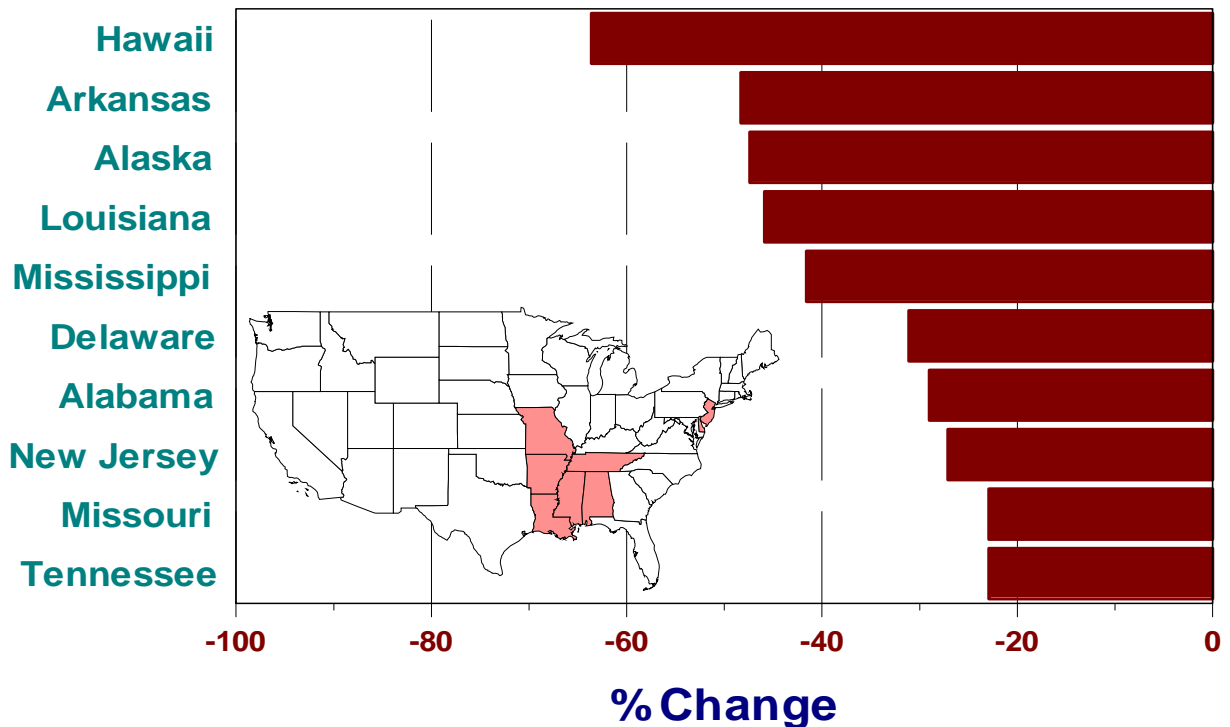
# Milk Production: 2010 vs 2005

U.S. Average = +9.0%

## Largest Production Increases



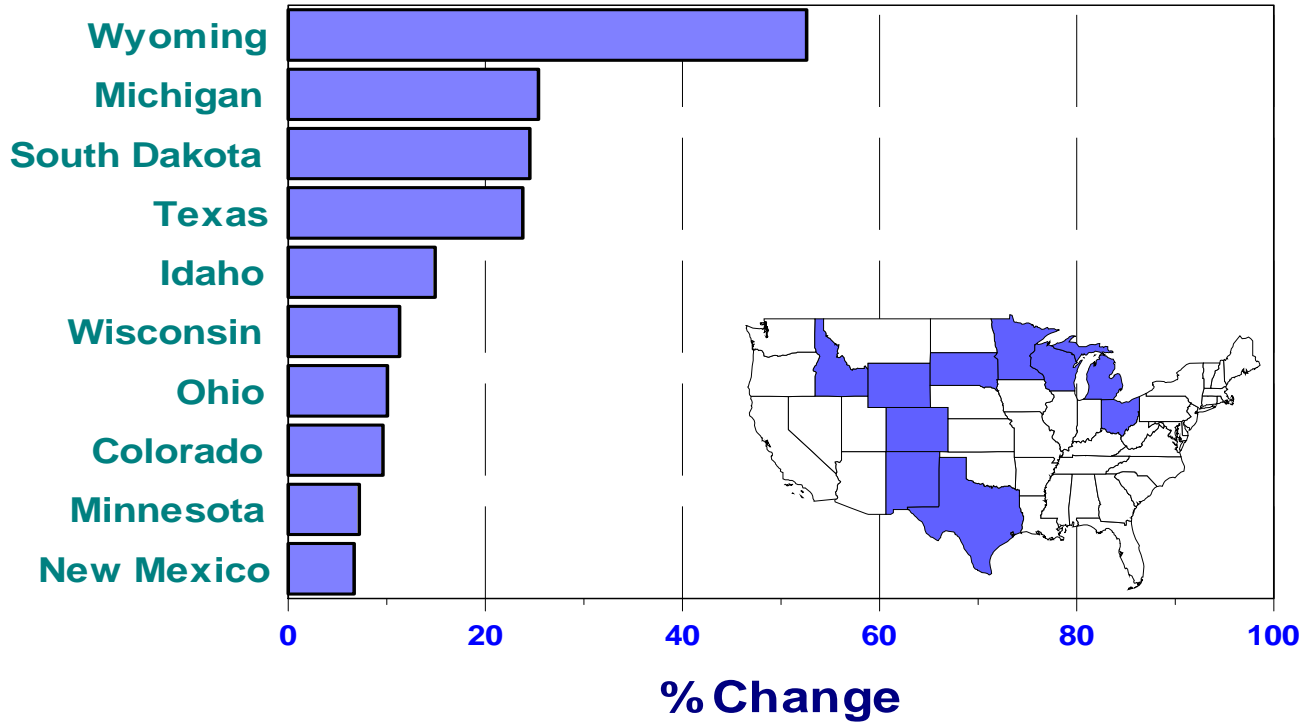
## Largest Production Decreases



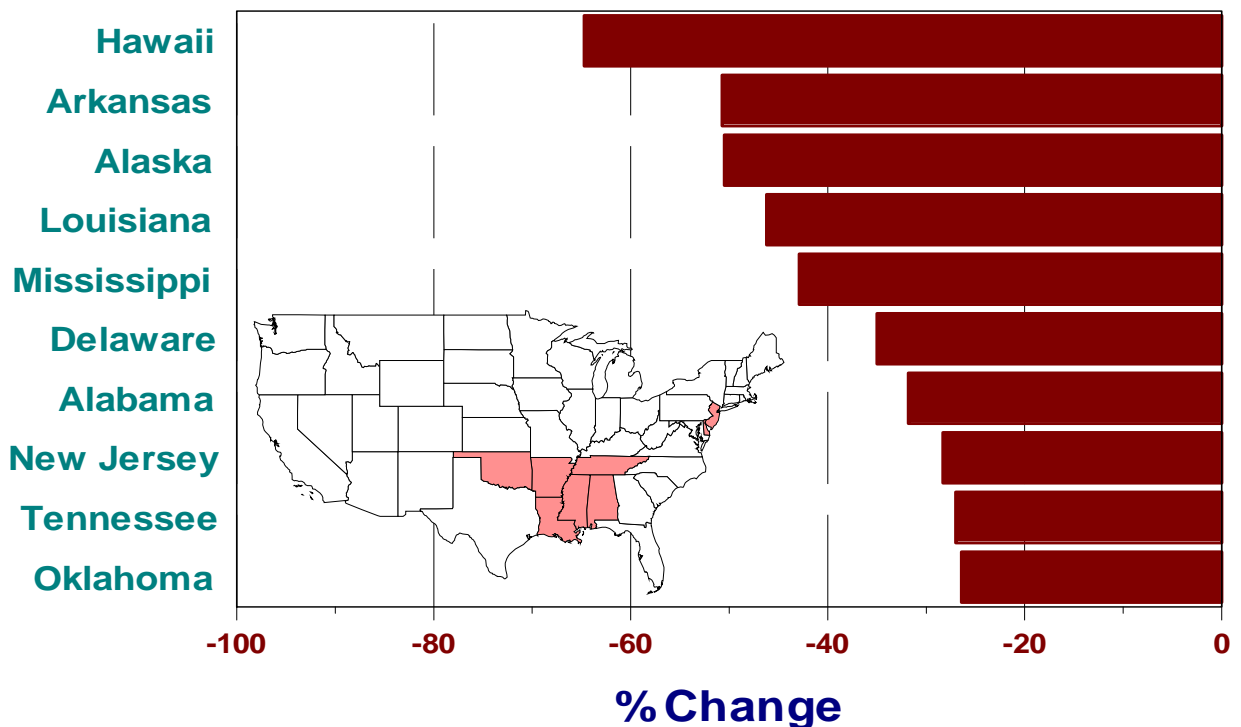
# Per Capita Milk Production: 2010 vs 2005

U.S. Average = +4.2%

## Largest Per Capita Increases

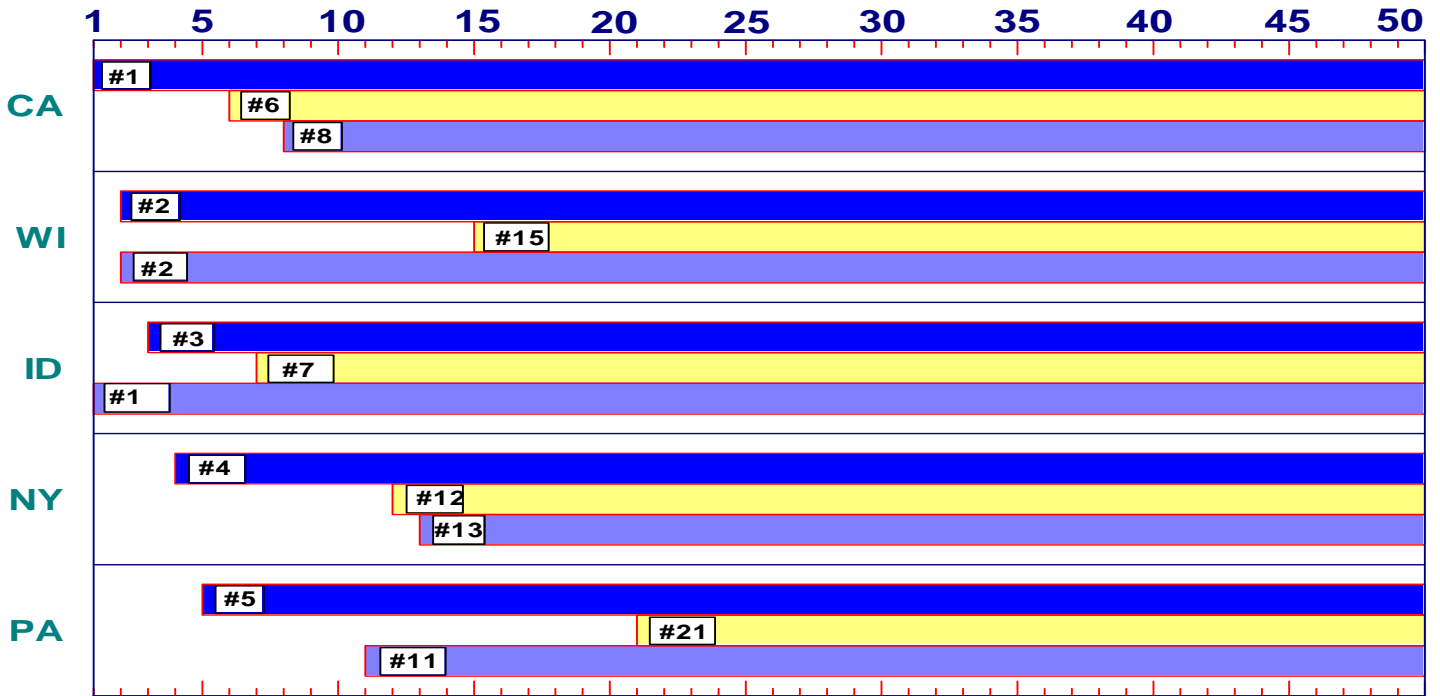


## Largest Per Capita Decreases



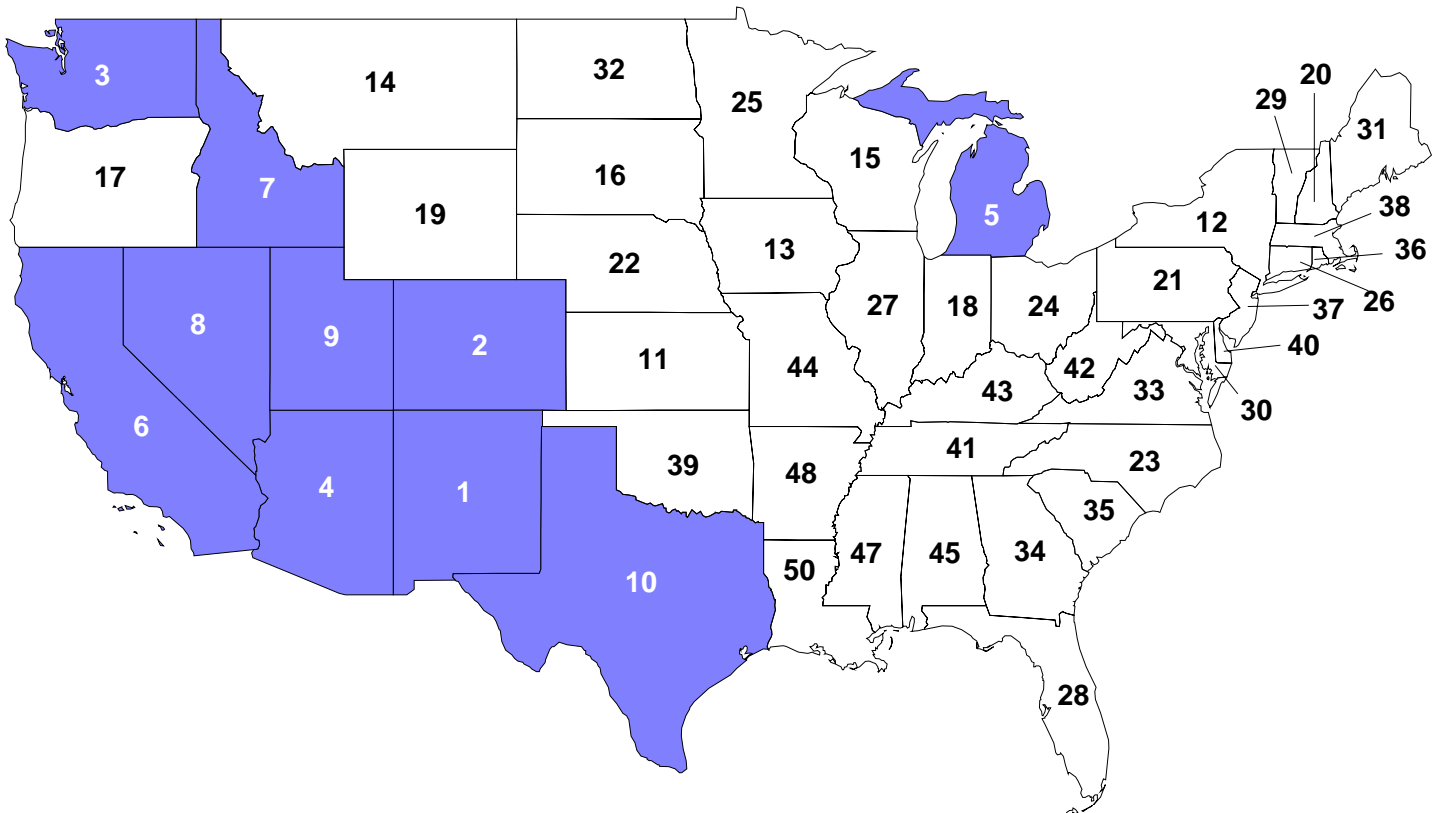
# 2010 Milk Production: Top Five States

## State Rankings



■ Total Production    
 ■ Production/Cow    
 ■ Production/Capita

## 2010 Milk Production Per Cow Ranking Top Ten States Highlighted



# Per Capita Milk Production

2010 versus 2009 & 2005 - By State

States	Per Capita Milk Production			Change In Per Capita Milk Production			
	2010	2009	2005	2010 vs 2009		2010 vs 2005	
				Pounds	Percent	Pounds	Percent
1 Idaho	8,192.7	7,866.8	7,129.4	325.9	4.1	1,063.3	14.9
2 Wisconsin	4,592.9	4,466.5	4,125.9	126.4	2.8	467.0	11.3
3 Vermont	4,051.8	3,973.1	4,268.0	78.7	2.0	-216.2	-5.1
4 New Mexico	3,874.9	3,937.6	3,630.3	-62.7	-1.6	244.6	6.7
5 South Dakota	2,297.3	2,333.5	1,845.2	-36.2	-1.6	452.1	24.5
6 Minnesota	1,720.5	1,713.7	1,604.7	6.8	0.4	115.8	7.2
7 Iowa	1,434.6	1,455.6	1,364.2	-21.0	-1.4	70.4	5.2
8 California	1,083.7	1,071.1	1,050.1	12.6	1.2	33.6	3.2
9 Kansas	879.6	883.1	830.7	-3.5	-0.4	48.9	5.9
10 Washington	874.7	833.5	896.0	41.2	4.9	-21.3	-2.4
11 Pennsylvania	849.7	837.2	845.9	12.5	1.5	3.8	0.4
12 Michigan	838.5	800.4	668.8	38.1	4.8	169.7	25.4
13 New York	649.4	636.4	624.9	13.0	2.0	24.5	3.9
14 Nebraska	644.9	668.6	615.2	-23.7	-3.5	29.7	4.8
15 Utah	642.6	635.4	664.7	7.2	1.1	-22.1	-3.3
16 Oregon	622.2	588.0	631.4	34.2	5.8	-9.2	-1.5
17 Arizona	621.4	618.7	626.4	2.7	0.4	-5.0	-0.8
18 North Dakota	587.4	596.1	737.6	-8.7	-1.5	-150.2	-20.4
19 Colorado	552.7	566.1	504.3	-13.4	-2.4	48.4	9.6
20 Indiana	532.8	527.2	506.3	5.6	1.1	26.5	5.2
21 Ohio	457.0	450.2	413.3	6.8	1.5	43.7	10.6
22 Maine	447.1	452.9	454.1	-5.8	-1.3	-7.0	-1.5
23 Texas	350.1	356.9	282.7	-6.8	-1.9	67.4	23.8
24 Montana	294.9	306.9	398.0	-12.0	-3.9	-103.1	-25.9
25 Kentucky	266.6	276.4	327.1	-9.8	-3.5	-60.5	-18.5
26 Oklahoma	257.5	271.9	350.1	-14.4	-5.3	-92.6	-26.4
27 Missouri	240.4	262.1	323.1	-21.7	-8.3	-82.7	-25.6
28 Nevada	233.5	231.6	225.2	1.9	0.8	8.3	3.7
29 New Hampshire	225.2	221.6	232.1	3.6	1.6	-6.9	-3.0
30 Wyoming	219.9	192.3	144.1	27.6	14.4	75.8	52.6
31 Virginia	216.2	220.8	236.4	-4.6	-2.1	-20.2	-8.5
32 Maryland	174.5	176.5	203.5	-2.0	-1.1	-29.0	-14.3
33 Illinois	148.1	149.3	154.5	-1.2	-0.8	-6.4	-4.1
34 Georgia	140.8	142.7	153.8	-1.9	-1.3	-13.0	-8.5
35 Tennessee	134.1	144.5	183.7	-10.4	-7.2	-49.6	-27.0
36 Florida	113.9	112.3	127.9	1.6	1.4	-14.0	-10.9
37 Connecticut	103.8	100.4	110.4	3.4	3.4	-6.6	-6.0
38 Delaware	101.0	115.4	155.5	-14.4	-12.5	-54.5	-35.0
39 North Carolina	91.1	94.5	116.9	-3.4	-3.6	-25.8	-22.1
40 West Virginia	86.0	88.9	107.5	-2.9	-3.3	-21.5	-20.0
41 Mississippi	75.3	84.7	131.8	-9.4	-11.1	-56.5	-42.9
42 South Carolina	62.2	70.9	67.7	-8.7	-12.3	-5.5	-8.1
43 Arkansas	52.9	57.1	107.3	-4.2	-7.4	-54.4	-50.7
44 Louisiana	51.9	60.8	96.5	-8.9	-14.6	-44.6	-46.2
45 Massachusetts	36.8	37.3	44.9	-0.5	-1.3	-8.1	-18.0
46 Alabama	33.6	34.8	49.3	-1.2	-3.4	-15.7	-31.8
47 Hawaii	19.5	16.5	55.3	3.0	18.2	-35.8	-64.7
48 Rhode Island	18.5	18.5	17.5	0.0	0.0	1.0	5.7
49 New Jersey	16.0	18.5	22.3	-2.5	-13.5	-6.3	-28.3
50 Alaska	10.0	8.6	20.2	1.4	16.3	-10.2	-50.5
<b>U.S. Totals</b>	<b>623.9</b>	<b>617.4</b>	<b>598.5</b>	<b>6.5</b>	<b>1.1</b>	<b>25.4</b>	<b>4.2</b>

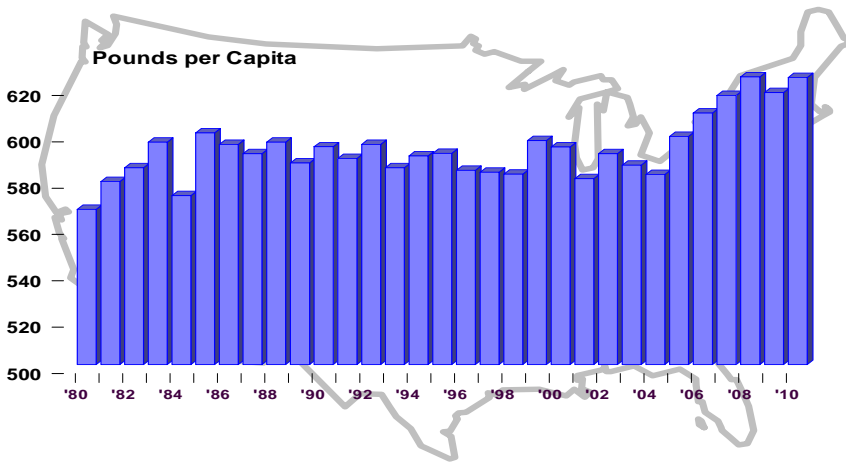
**Data Sources:**

Milk Production : Milk Production, February 2011, National Agricultural Statistics Service, Agriculture Statistics Board, USDA.  
 Population : U.S. Census Bureau, Department of Commerce. (July 1st population estimates for each year.)



	Statistical Uniform Price		Producer Price Differential		Class I Utilization	
	<u>1/2011</u>	<u>12/2010</u>	<u>1/2011</u>	<u>12/2010</u>	<u>1/2011</u>	<u>12/2010</u>
Northeast	17.01	16.91	3.53	3.08	42.51	45.35
Appalachian	18.31	18.31	-----	-----	69.75	69.06
Florida	20.32	20.69	-----	-----	83.93	85.73
Southeast	18.01	18.33	-----	-----	64.85	64.67
Upper Midwest	14.12	14.41	0.64	0.58	13.09	14.11
<b>Central</b>	<b>15.31</b>	<b>15.29</b>	<b>1.83</b>	<b>1.46</b>	<b>35.00</b>	<b>33.46</b>
Mideast	15.78	15.76	2.30	1.93	44.63	42.71
Pacific Northwest	15.57	15.32	2.09	1.49	28.35	29.45
Southwest	16.24	16.39	2.76	2.56	39.58	38.77
Arizona	16.23	15.88	-----	-----	32.88	31.30

### U.S. Milk Production Per Capita



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**FEDERAL MILK MARKET ADMINISTRATOR**  
 P.O. BOX 14650  
 SHAWNEE MISSION, KANSAS 66285-4650

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Website: [www.fmmacentral.com](http://www.fmmacentral.com)  
 E-mail: [market.administrator@fmmacentral.com](mailto:market.administrator@fmmacentral.com)  
 Phone: 913-495-9300