

MARKETING SERVICE

B U L L E T I N

Where's The Milk.....???

United States milk production in 2011 **increased** 1.76% compared with 2010 to 196.2 billion pounds, the largest total on record. The 2011 total is 3.4 billion pounds more than the previous record of 192.8 billion pounds produced during 2010. Milk production has exceeded prior year levels in 13 of the last 15 years, with 2009 and 2001 being the two exceptions. Since 1991, U.S. milk production has **decreased** from prior year levels only four times -- 1993, 1996, 2001, and 2009.



This bulletin addresses the question, "**Where's The Milk ?**", by examining raw milk production and dairy product manufacturing on a regional basis. The map graphics and data tables contained in this bulletin depict the production of milk, cheese, butter, nonfat dry milk, and ice cream for the following three production regions: Atlantic, Central, and West. The top number shown in each region provides the proportion of the 2011 total for the product depicted by the respective map. The bottom number provides the percentage change in production comparing 2011 with 2006.

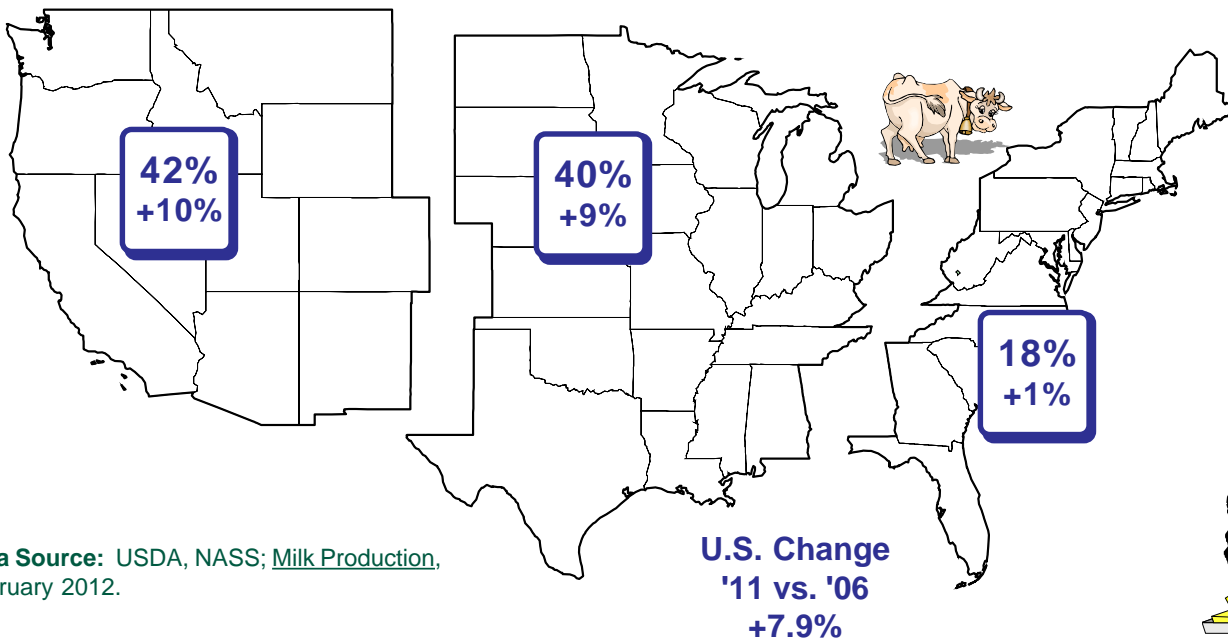
The **West, Central, and Atlantic Regions increased** milk production by 10.10%, 9.11%, and 1.00%, respectively, from 2006 levels. The **West Region** accounted for 41.74% of U.S. milk production in 2011, **up** 0.81 percentage points compared with 2006. The **Central Region** accounted for 40.21% of total U.S. production, **up** 0.43 percentage points compared with 2006. The **Atlantic Region** accounted for the smallest proportion of the 2011 total at 18.05%, and this proportion was **down** 1.24 percentage points compared with 2006. The data table for milk production can be found on the back page of this bulletin.

U.S. milk production in 2011 increased by 14.5 billion pounds compared with 2006. The additional milk required to meet increased cheese production during the same period was approximately 10.7 billion pounds.

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Regional Milk Production as a Percentage of 2011 Total U.S. Milk Production with Percentage Change in Production: 2011 vs. 2006



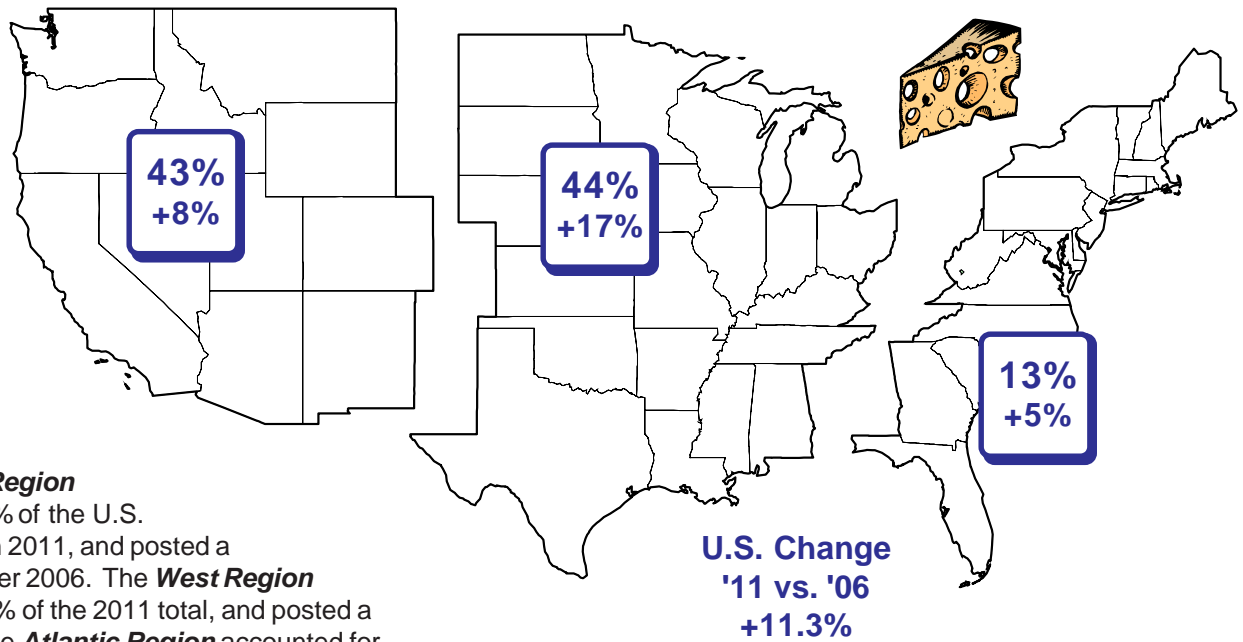
Data Source: USDA, NASS; [Milk Production](#), February 2012.



Regional Cheese Production as a Percentage of 2011 Total U.S. Cheese Production with Percentage Change in Production: 2011 vs. 2006

U.S. cheese production totaled 10.597 billion pounds during 2011. The 2011 total is an **increase** of 1.47% compared with 2010, and it is 11.26% **greater** than the amount produced in 2006.

As depicted by the map on this page, all three regions recorded **increases** comparing 2011 with 2006. The **Central Region** accounted for 44.35% of the U.S. cheese production in 2011, and posted a 16.61% **increase** over 2006. The **West Region** accounted for 42.73% of the 2011 total, and posted a 7.93% **increase**. The **Atlantic Region** accounted for 12.92% of the U.S. total in 2011, and this region's cheese production **increased** by 5.40% comparing 2011 production with 2006.



Data Source: USDA, NASS; *Dairy Products 2011 Summary*, April 2012.

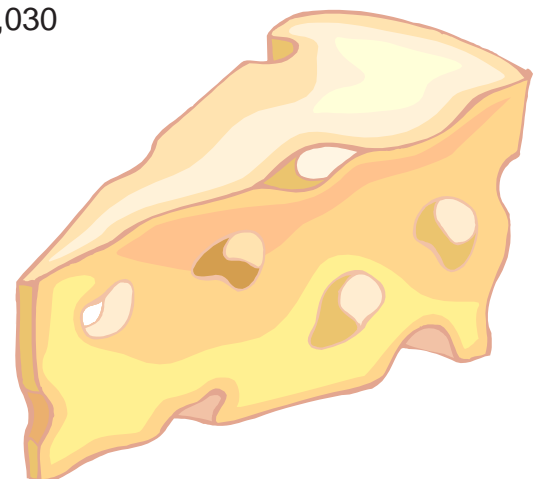
Total U.S. Cheese Production By Region (thousand lbs.)

	Atlantic	Central	West	Total
2006	1,298,811	4,030,765	4,194,991	9,524,567
2007	1,413,604	4,081,402	4,281,779	9,776,785
2008	1,351,426	4,342,613	4,218,789	9,912,828
2009	1,346,472	4,550,155	4,177,572	10,074,199
2010	1,368,359	4,621,272	4,453,766	10,443,397
2011	1,369,006	4,700,188	4,527,836	10,597,030

As a Percent of Total Production

	Atlantic	Central	West
2006	13.64	42.32	44.04
2007	14.46	41.75	43.80
2008	13.63	43.81	42.56
2009	13.37	45.17	41.47
2010	13.10	44.25	42.65
2011	12.92	44.35	42.73

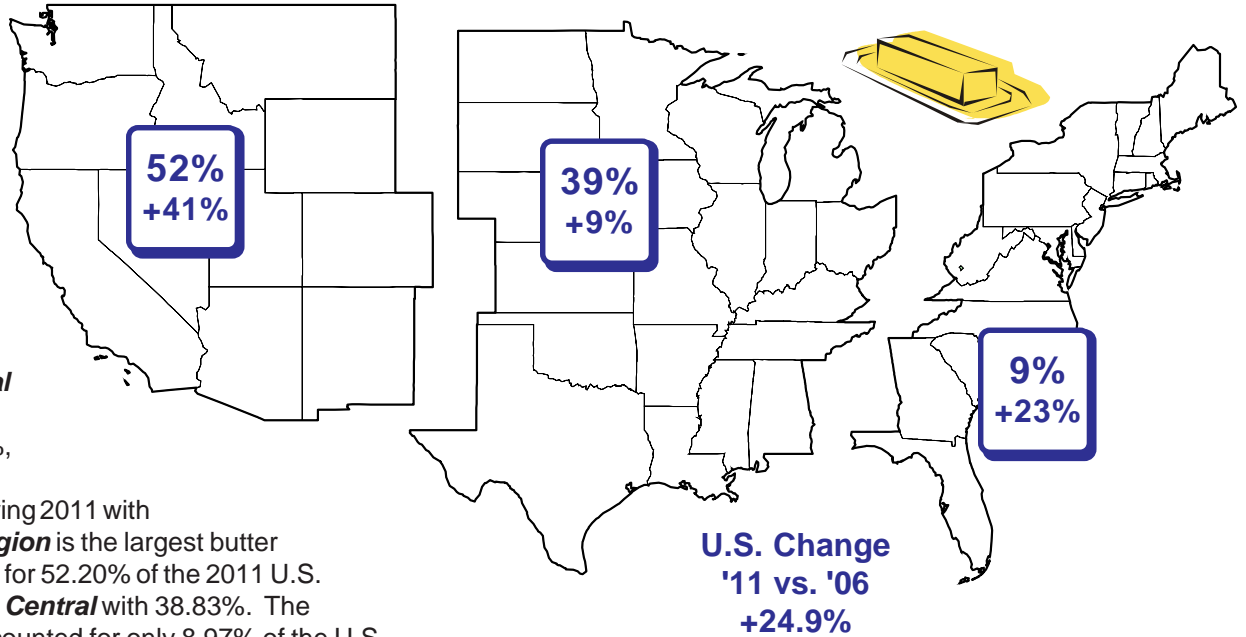
**The Atlantic
Region's share of
total U.S. cheese
production has
decreased in eleven
of the last twelve
years.**



Regional Butter Production as a Percentage of 2011 Total U.S. Butter Production with Percentage Change in Production: 2011 vs. 2006

U.S. butter production increased by 24.95% comparing 2011 with 2006. Butter production totaled 1.810 billion pounds during 2011 -- up 15.72% from 2010.

As depicted by the accompanying map, the **West**, **Atlantic**, and **Central Regions** posted increases of 40.72%, 23.27% and 8.88%, respectively, comparing 2011 with 2006. The **West Region** is the largest butter producer accounting for 52.20% of the 2011 U.S. total, followed by the **Central** with 38.83%. The **Atlantic Region** accounted for only 8.97% of the U.S. total.



Data Source: USDA, NASS; Dairy Products 2011 Summary, April 2012.

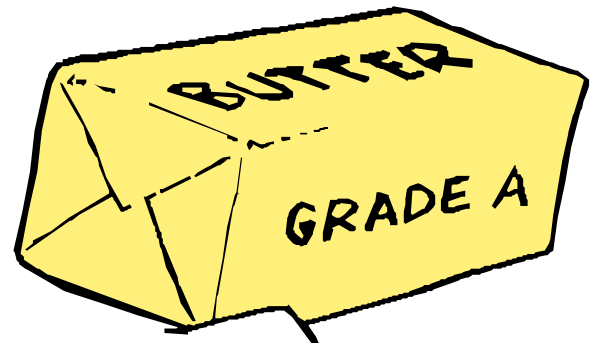
Total U.S. Butter Production By Region (thousand lbs.)

	Atlantic	Central	West	Total
2006	131,667	645,339	671,422	1,448,428
2007	126,243	663,357	743,117	1,532,717
2008	132,140	686,399	825,537	1,644,076
2009	143,190	651,506	777,792	1,572,488
2010	147,132	573,398	843,442	1,563,972
2011	162,305	702,655	944,794	1,809,754

The Central Region's share of U.S. butter production declined from 44.55% in 2006 to 38.83% in 2011, while the West Region increased its proportion from 46.36% to 52.21% during the same time frame.

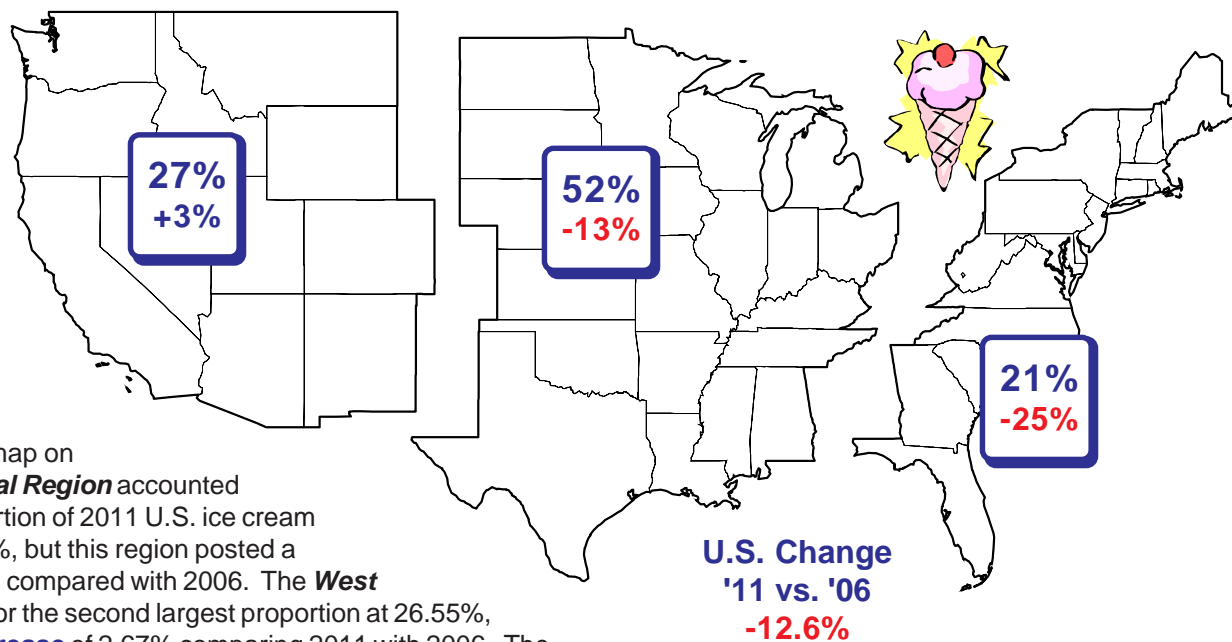
As a Percent of Total Production

	Atlantic	Central	West
2006	9.09	44.55	46.36
2007	8.24	43.28	48.48
2008	8.04	41.75	50.21
2009	9.11	41.43	49.46
2010	9.41	36.66	53.93
2011	8.97	38.83	52.20



Regional Ice Cream Production* as a Percentage of 2011 Total U.S. Ice Cream Production with Percentage Change in Production: 2011 vs. 2006

U.S. ice cream production* **decreased** by 12.58% comparing 2011's total with the 0.915 billion gallons produced in 2006. Ice cream production totaled 0.800 billion gallons during 2011, **down** 2.33% (-0.019 billion gallons) from the previous year.



As depicted by the map on this page, the **Central Region** accounted for the largest proportion of 2011 U.S. ice cream production at 52.02%, but this region posted a **decrease** of 13.06% compared with 2006. The **West Region** accounted for the second largest proportion at 26.55%, and recorded an **increase** of 2.67% comparing 2011 with 2006. The **Atlantic Region** posted the largest percentage **decrease**, with production **falling** 25.32%. This region accounted for the smallest proportion with 21.43% of the 2011 U.S. total.

Data Source: USDA, NASS; *Dairy Products 2011 Summary*, April 2012.

Total U.S. Ice Cream Production*

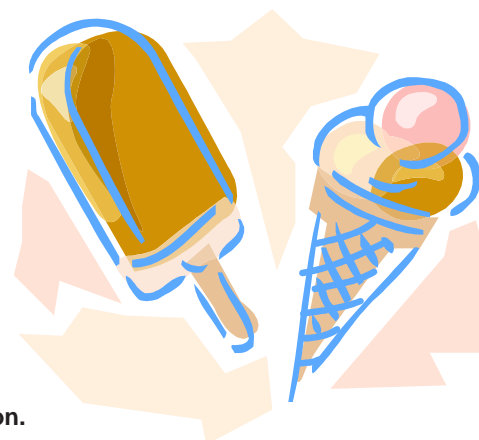
By Region (thousand gallons)

	Atlantic	Central	West	Total
2006	229,422	478,522	206,795	914,739
2007	215,259	466,725	208,985	890,969
2008	206,814	459,050	210,515	876,379
2009	191,682	440,952	224,106	856,740
2010	179,302	430,759	208,731	818,792
2011	171,340	416,016	212,325	799,681

U.S. ice cream production* has declined in eight of the last nine years; however, production had increased in six of the previous seven years (1996-2002). Over the last five years, the **Central Region** has accounted for over 52% of total U.S. ice cream production.

As a Percent of Total Production

	Atlantic	Central	West
2006	25.08	52.31	22.61
2007	24.16	52.38	23.46
2008	23.60	52.38	24.02
2009	22.37	51.47	26.16
2010	21.90	52.61	25.49
2011	21.43	52.02	26.55

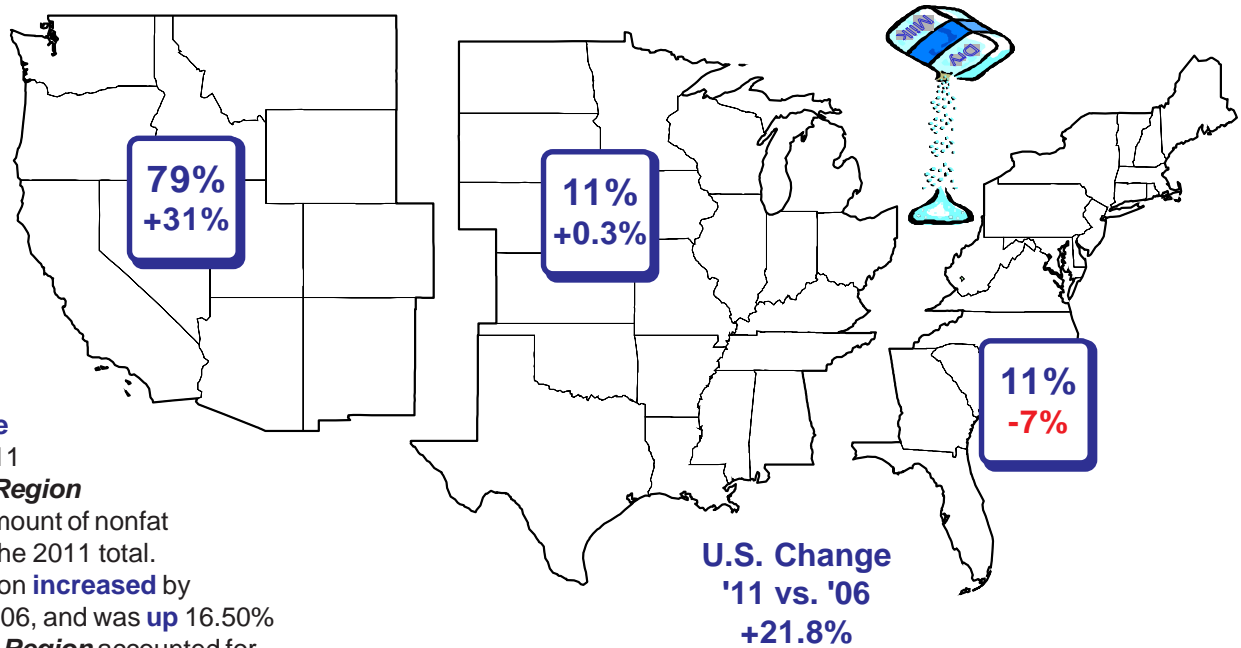


* Regular (hard) ice cream production.

Regional NFDM Production as a Percentage of 2011 Total U.S. NFDM Production with Percentage Change in Production: 2011 vs. 2006

U.S. nonfat dry milk (NFDM) production **increased** by 21.78%, comparing 2011 with 2006. Production totaled 1.514 billion pounds in 2011, which was a **decrease** of 3.08% compared with 2010.

The **West Region**, which accounted for the largest proportion of production at 78.86% of the U.S. total, posted an **increase** of 30.87% comparing 2011 with 2006. The **Central Region** produced the smallest amount of nonfat dry milk with 10.55% of the 2011 total. Production from this region **increased** by 0.30% compared with 2006, and was **up** 16.50% from 2010. The **Atlantic Region** accounted for 10.59% of the U.S. total in 2011, and production from the region **decreased** by 6.62% compared with 2006, and was 19.79% **below** the 2010 total.



The West Region's NFDM production has accounted for 75.73% of the U.S. total since 2000, and 76.32% over the last five years (2007 through 2011). In the five years preceding 2000, the West Region accounted for 63.70% of the U.S. total.

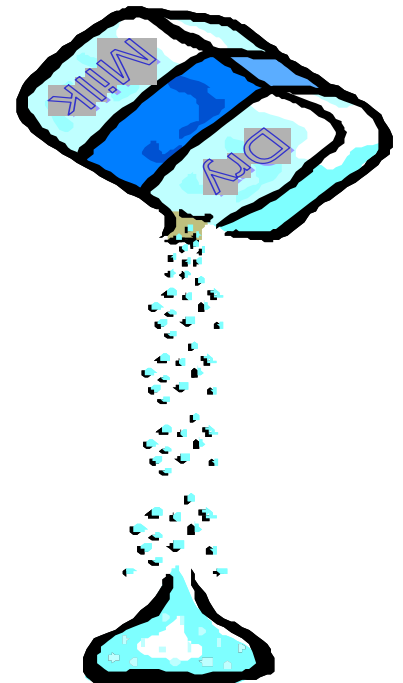
Data Source: USDA, NASS; Dairy Products 2011 Summary, April 2012.

Total U.S. Nonfat Dry Milk Production By Region (thousand lbs.)

	Atlantic	Central	West	Total
2006	171,698	159,271	912,603	1,243,572
2007	141,266	160,544	996,670	1,298,480
2008	229,620	190,615	1,098,938	1,519,173
2009	212,717	161,972	1,136,833	1,511,522
2010	199,874	137,118	1,225,526	1,562,518
2011	160,324	159,744	1,194,340	1,514,408

As a Percent of Total Production

	Atlantic	Central	West
2006	13.81	12.81	73.39
2007	10.88	12.36	76.76
2008	15.11	12.55	72.34
2009	14.07	10.72	75.21
2010	12.79	8.78	78.43
2011	10.59	10.55	78.86



	Statistical Uniform Price		Producer Price Differential		Class I Utilization	
	May '12	Apr '12	May '12	Apr '12	May '12	Apr '12
Northeast	16.79	17.20	1.56	1.48	38.51	36.95
Appalachian	17.69	18.10	-----	-----	63.08	62.62
Florida	19.98	20.31	-----	-----	81.76	83.39
Southeast	18.07	18.24	-----	-----	61.25	56.66
Upper Midwest	15.45	15.92	0.22	0.20	10.48	10.64
Central	15.51	16.03	0.28	0.31	28.02	28.81
Mideast	15.74	16.23	0.51	0.51	32.09	32.47
Pacific Northwest	15.31	15.87	0.08	0.15	25.35	27.53
Southwest	16.50	16.90	1.27	1.18	32.29	30.58
Arizona	15.27	16.02	-----	-----	26.42	27.77

Total U.S. Milk Production By Region

	----- Million Lbs. -----				----- % of Total -----		
	Atlantic	Central	West	Total	Atlantic	Central	West
2006	35,075	72,319	74,402	181,796	19.29	39.78	40.93
2007	34,857	73,799	76,998	185,654	18.78	39.75	41.49
2008	34,967	75,589	79,426	189,982	18.41	39.79	41.81
2009	34,802	77,433	77,099	189,334	18.38	40.90	40.72
2010	35,258	78,361	79,229	192,847	18.28	40.63	41.08
2011	35,424	78,904	81,917	196,246	18.05	40.21	41.74

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