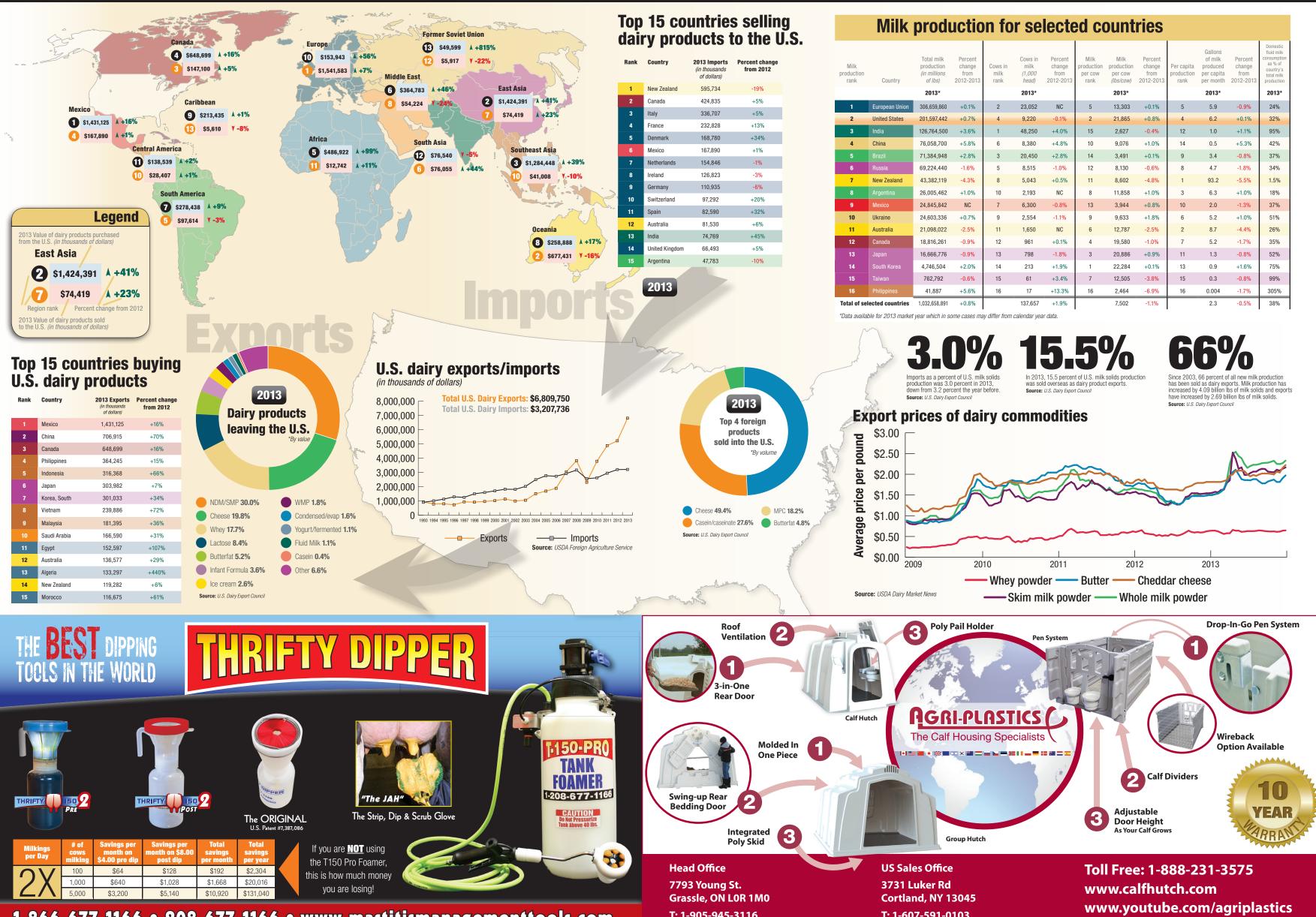
# **2013 U.S. & International dairy trade**



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# **2013 U.S. forage statistics**

Country	Total milk production (in millions of lbs)	Percent change from 2012-2013	Cows in milk rank	Cows in milk (1,000 head)	Percent change from 2012-2013	Milk production per cow rank	Milk production per cow <i>(lbs/cow)</i>	Percent change from 2012-2013	Per capita production rank	Gallons of milk produced per capita per month	Percent change from 2012-2013	Domestic fluid milk consumption as % of country's total milk production
	2013*			2013*			2013*			2013*		2013*
European Union	306,659,860	+0.1%	2	23,052	NC	5	13,303	+0.1%	5	5.9	-0.9%	24%
United States	201,597,442	+0.7%	4	9,220	-0.1%	2	21,865	+0.8%	4	6.2	+0.1%	32%
India	126,764,500	+3.6%	1	48,250	+4.0%	15	2,627	-0.4%	12	1.0	+1.1%	95%
China	76,058,700	+5.8%	6	8,380	+4.8%	10	9,076	+1.0%	14	0.5	+5.3%	42%
	71,384,948	+2.8%	3	20,450	+2.8%	14	3,491	+0.1%	9	3.4	-0.8%	37%
Russia	69,224,440	-1.6%	5	8,515	-1.0%	12	8,130	-0.6%	8	4.7	-1.8%	34%
New Zealand	43,382,119	-4.3%	8	5,043	+0.5%	11	8,602	-4.8%	1	93.2	-5.5%	1.5%
	26,005,462	+1.0%	10	2,193	NC	8	11,858	+1.0%	3	6.3	+1.0%	18%
Mexico	24,845,842	NC	7	6,300	-0.8%	13	3,944	+0.8%	10	2.0	-1.3%	37%
Ukraine	24,603,336	+0.7%	9	2,554	-1.1%	9	9,633	+1.8%	6	5.2	+1.0%	51%
Australia	21,098,022	-2.5%	11	1,650	NC	6	12,787	-2.5%	2	8.7	-4.4%	26%
Canada	18,816,261	-0.9%	12	961	+0.1%	4	19,580	-1.0%	7	5.2	-1.7%	35%
Japan	16,666,776	-0.9%	13	798	-1.8%	3	20,886	+0.9%	11	1.3	-0.8%	52%
South Korea	4,746,504	+2.0%	14	213	+1.9%	1	22,284	+0.1%	13	0.9	+1.6%	75%
	762,792	-0.6%	15	61	+3.4%	7	12,505	-3.8%	15	0.3	-0.8%	99%
Philippines	41,887	+5.6%	16	17	+13.3%	16	2,464	-6.9%	16	0.004	-1.7%	305%
elected countries	1,032,658,891	+0.8%		137,657	+1.9%		7,502	-1.1%		2.3	-0.5%	38%



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## **Total forage production**

more than 15,000 thousand ton
10,000 to 15,000 thousand ton
5,000 to 10,000 thousand tons
2,000 to 5,000 thousand tons
0 to 2,000 thousand tons

Fotal forage production is represented by the total of alfalfa, other hay, silage and greenchop

## Top 15 forage states

State ranking- production	State	Total forage production (in thousand tons)	Total alfalfa rank	Total alfalfa production (in thousand tons)	Total other hay rank	Total other hay production (in thousand tons)	Total corn silage rank	Total corn silage production (in thousand tons)	Total greenchop rank	Total greenchop production (in thousand tons)	
1	Wisconsin	26,530	6	2860	27	900	1	16170	1	6,600	-
2	California	22,426	1	6120	16	1836	2	10998	3	3,472	TO
3	New York	15,614	25	770	10	2160	3	8500	2	4,184	
4	Texas	13,620	27	630	1	8250	10	3800	9	940	
5	Pennsylvania	13,491	21	986	14	1932	4	7790	4	2,783	
6	Minnesota	12,161	7	2470	21	1425	6	6270	6	1,996	
7	Idaho	11,877	2	4256	31	720	8	5850	8	1,051	
8	Iowa	11,536	9	2409	26	968	5	7410	10	749	
9	Michigan	10,591	14	1891	35	627	7	5950	5	2,123	
10	South Dakota	9,925	4	3780	12	2125	11	3640	14	380	
11	Missouri	9,545	22	945	2	7030	26	1120	13	450	
12	Nebraska	9,353	8	2415	9	2520	9	4160	15	258	
13	Kansas	8,723	13	1925	4	4620	18	1950	16	228	
14	Kentucky	7,620	26	660	3	5280	20	1680	0	0	Τ
15	North Dakota	6,770	5	3240	15	1850	20	1680	0	0	
	Top 15 Totals	189,782		35,357		42,243		86,968		25,214	
	U.S. total	281,810		57,581		78,365		117,851		28,013	

Source: Crop Production 2013 Summary Report, USDA, NASS; statistical ties are represented by the same numerical ranking

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### Total alfalfa hay production

more than 5,000 thousand tons 3,000 to 5,000 thousand tons 1,000 to 3,000 thousand tons 100 to 1,000 thousand tons 0 to 100 thousand tons

### Total other hay production

more than 5,000 thousand tons 2,000 to 5,000 thousand tons 1,000 to 2,000 thousand tons 500 to 1,000 thousand tons 0 to 500 thousand tons

otal corn silage production

more than 10,000 thousand tons 5,000 to 10,000 thousand tons 1,000 to 5,000 thousand tons 500 to 1,000 thousand tons 0 to 500 thousand tons



no data reported



# **DAIRYMAN** 2013 U.S. dairy statistics

## **Milk production continues to relocate**

### **Progressive Dairyman Editor Walt Cooley**

Strong U.S. dairy exports and the relocation of milk production were the major Midwest region more than made up for story lines of 2013. The U.S. had its strongest this decline. Continuing the previous year's sales year ever in value and percentage of total U.S. milk production exported.

Meanwhile, the end of the year saw the most reshuffling of positions among the Top 25 milk-producing states of any in the last few years, with nine states swapping spots. The majority of the country's new milk production continued to come from the Midwest and East Coast, a trend that began developing in 2012.

Dairy export sales soared in 2013. The percentage of U.S. milk solids leaving the country reached 15.5 percent, a new all-time high. Export sales to 28 of the top 35 countries trading with the U.S. were at their highest levels since 1970. Overall, export sales grew 30 percent over those in 2012, and dairy imports declined less than 1 percent.

The U.S. dairy cow population remained mostly the same in 2013, down just 12,000 cows from 2012. The number of dairy farms exiting the industry accelerated percent). at the rate of 4.7 percent per year, above the five-year average. Average production per cow increased by 102 pounds, totaling 21,822 pounds of milk harvested per cow in 2013. Overall, milk production grew conservatively at only 0.3 percent more than the previous year.

The Southwest was the only region in the U.S. to produce less milk than the previous year, and it was significantly less, more than 1 percent lower than 2012. Most of the decline came in cow productivity, as in both cow populations and per-cow the number of milk cows in the Southwest

declined by 9.000 head. However, the trend, the Midwest produced more than 50 percent of the U.S.'s new milk in 2013. The increased production was the result of more cows (+14,000) and increased productivity (+1 percent). In total, the eastern half of the country produced 94 percent of the country's new milk in 2013.

While New York advanced its milk production (+2.1 percent), Idaho's industry slid backward (-.9 percent). New York retook the No. 3 milk-producing state from the Gem State in 2013. For the past three years, Idaho had held that spot. Easing of regulations and demand for new milk for Greek yogurt production contributed to the state's increased milk flow.

Michigan continued to increase its milk production (+1.9 percent). For the past 10 years, the state has been in the top ive states for milk production growth. As a result, Minnesota slipped to No. 8 in total milk production, despite growing production over that from 2012 (+.7

Iowa moved up one spot to No. 12 with milk growth (+2.1 percent) from both higher cow numbers and per-cow production in 2013.

Arizona dropped one spot to No. 13, as milk production was off (-0.5 percent) due to ower-than-usual milk production per cow. Utah climbed to No. 20 in milk

production (+.1 percent), despite growth in South Dakota (+2.2 percent), which slipped a spot to become the No. 21 dairy-producing state. Illinois dropped two spots to No. 22 (-1.9 percent) with declines production. **PD** 

### U.S. dairy industry 12-year overview

Year	Total milk production (in millions of lbs)	Number of cows (in thousands)	Milk per cow (lbs per year)	Licensed dairy herds	Average herd size
2002	170,063	9,139	18,608	74,110	123
2003	170,394	9,083	18,760	70,375	129
2004	170,832	9,010	18,960	66,830	135
2005	176,931	9,050	19,550	64,540	140
2006	181,782	9,137	19,895	62,070	147
2007	185,654	9,189	20,204	59,130	155
2008	189,982	9,315	20,395	57,127	163
2009	189,334	9,203	20,573	54,942	168
2010	192,848	9,119	21,148	53,132	172
2011	196,164	9,194	21,336	51,291	179
2012	200,537	9,233	21,720	49,281	187
2013	201,218	9,221	21,822	46,960	196

# **Dairy receipt** as a % of state's total farm receipts

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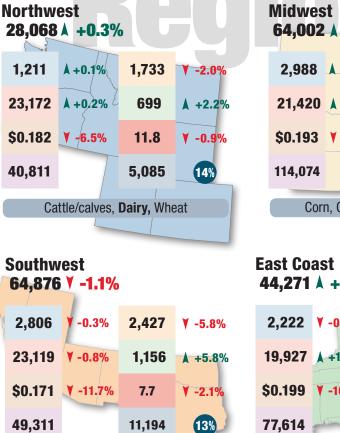
72%
48%
43%
35%
32%
30%
29%
20%
20%
20%



# **2013 U.S. dairy statistics**

## All states

State rank- total milk production	State	Total milk production (in millions of lbs)	Percentage increase/ decrease in total milk from 2012-2013	Number of cows (in thousands)	Percentage increase/decrease in number of cows from 2012-2013	Milk per cow (lbs per year)	Percentage increase/ decrease in milk per cow from 2012-2013	Number of licensed dairy herds	Change in licensed herds from 2012-2013	Average herd size	Change in avg. herd size from 2012-2013
1	California	41,256	-1.3%	1,780	-0.1%	23,178	-1.2%	1,515	-90	1,175	+65
2	Wisconsin	27,572	+1.3%	1,271	+0.1%	21,693	+1.2%	10,860	-630	117	+7
3	New York	13,469	+2.1%	610	NC	22,080	+2.1%	5,030	-120	121	+3
4	Idaho	13,431	-0.9%	573	-1.2%	23,440	+0.3%	550	-15	1,042	+15
5	Pennsylvania	10,565	+0.8%	533	-0.6%	19,822	+1.4%	7,200	+60	74	-1
	Texas	9,610	+0.1%	437	+0.2%	21,984	-0.1%	460	-40	950	+78
		9,164	+1.9%	380	+1.3%	24,116	+0.6%	2,030	-100	187	+11
		9,140	+0.7%	464	-0.2%	19,698	+1.0%	3,865	-260	120	+7
9	New Mexico	8,057	-1.1%	323	-2.1%	24,944	+1.0%	140	NC	2,307	-50
10	Washington	6,336	+1.6%	266	+1.5%	23,820	+0.1%	480	NC	554	+8
11	Ohio	5,448	+1.7%	270	NC	20,178	+1.7%	2,930	-130	92	+4
		4,606	+2.1%	208	+1.5%	22,144	+0.6%	1,425	-155	146	+16
13	Arizona	4,489	-0.4%	190	+1.1%	23,626	-1.5%	110	NC	1,727	+18
14	Indiana	3,830	+2.2%	176	+0.6%	21,761	+1.7%	1,315	-255	134	+22
15	Colorado	3,322	+3.4%	137	+2.2%	24,248	+1.1%	130	NC	1,054	+23
16	Kansas	2,932	+7.3%	134	+6.3%	21,881	+0.9%	325	-15	412	+42
17	Vermont	2,606	+1.4%	134	+0.8%	19,448	+0.7%	930	-40	144	+7
18	Oregon	2,514	+0.04%	123	NC	20,439	+0.04%	260	-10	473	+18
19	Florida	2,383	+1.8%	123	NC	19,374	+1.8%	130	NC	946	NC
20	Utah	2,036	+0.1%	92	+1.1%	22,130	-0.9%	220	-10	418	+23
		2,023	+2.8%	94	+2.2%	21,521	+0.6%	300	-25	313	+30
22	Illinois	1,879	-1.9%	97	-1.0%	19,371	-0.9%	745	-15	130	+1
23	Virginia	1,742	+0.9%	95	-1.0%	18,337	+1.9%	640	-40	148	+7
24	Georgia	1,560	+2.0%	80	NC	19,500	+2.0%	240	-10	333	+13
		1,349	-4.1%	92	-2.1%	14,663	-2.0%	1,290	-140	71	+6
26	Nebraska	1,165	-1.8%	54	-3.6%	21,574	+1.9%	200	-10	270	+3
27	Kentucky	1,076	-3.9%	71	-4.1%	15,155	+0.1%	780	-60	91	+3
28	Maryland	972	-0.7%	50	-2.0%	19,440	+1.3%	470	-30	106	+4
29	North Carolina	935	-0.5%	46	NC	20,326	-0.5%	250	-20	184	+14
30	Oklahoma	790	-6.9%	45	-6.3%	17,556	-0.7%	180	-20	250	+10
31	Tennessee	767	-4.7%	48	-4.0%	15,979	-0.8%	390	-30	123	+4
32	Nevada	644	-3.3%	29	NC	22,207	-3.3%	20	NC	1,450	NC
33	Maine	606	-1.1%	31	-6.1%	19,548	+5.2%	300	-10	103	-3
34	Connecticut	371	+3.6%	18	NC	20,611	+3.6%	130	NC	138	NC
35	North Dakota	342	-1.4%	18	NC	19,000	-1.4%	110	-20	164	+25
36	Montana	298	-0.3%	14	NC	21,286	-0.3%	70	NC	200	NC
37	New Hampshire	271	-1.5%	13	-7.1%	20,846	+6.1%	120	NC	108	-8
38	South Carolina	264	-4.3%	16	NC	16,500	-4.3%	75	-5	213	+13
39	Massachusetts	230	+5.0%	13	+8.3%	17,692	-3.1%	155	NC	84	+6
40	Louisiana	206	-7.2%	16	-5.9%	12,875	-1.4%	130	-10	123	+2
41	Mississippi	185	-7.0%	14	NC	13,214	-7.0%	100	-10	140	+13
42	West Virginia	152	-3.8%	10	NC	15,200	-3.8%	80	-15	125	+20
43	Wyoming	128	+3.5%	6	NC	21,367	+3.5%	20	NC	300	NC
44	New Jersey	127	-2.3%	7	NC	18,143	-2.3%	70	-10	100	+13
45	Alabama	120	-9.1%	9	-10.0%	13,333	+1.0%	45	-5	200	NC
46	Arkansas	105	-21.1%	9	-10.0%	11,667	-12.3%	85	-15	106	+6
47	Delaware	93.7	-0.1%	4.8	-2.0%	19,521	+2.0%	40	-10	120	+22
48	Hawaii	29.5	+3.9%	2.2	+10.0%	13,409	-5.6%	2	NC	1,100	+100
49	Rhode Island	17.1	-6.6%	0.9	-10.0%	19,000	+3.8%	15	NC	60	-7
50	Alaska	3.2	-43.9%	0.3	-25.0%	10,667	-25.1%	3	-1	100	NC



## **64,002 +1.4%** 2,988 4 +0.5% 22,465 7-6.7% 21,420 🔺 +1.0% \$0.193 **¥** -6.7% 114,074 Corn, Cattle/calves, Soybeans

<b>44,271</b>	▲ +0.9%
2,222	<b>▼ -0.6%</b>
19,927	A +1.6%
\$0.199	▼ -10.8%
77,614	
В	roilers, Soybear

## **10-year growth 3-year growth**

Cattle/calves, Dairy, Greenhouse

Additional milk production from 2004 to 2013 from 2010 to 2013 (millions of lbs of milk) (millions of lbs of milk) Top 15

Wisconsin

Californi

Michigan

Texas

Idaho

Colorado

Kansas

Indiana

Arizona

Florida

Utah

Ohio

Bottom 5

Kentucky

ennessee

Oklahoma

Pennsvlvania

Washingtor

op 15	
Wisconsin	5,487
California	4,791
daho	4,338
Texas	3,601
Michigan	2,834
New York	1,819
New Mexico	1,320
Colorado	1,138
Minnesota	1,038
Washington	920
Dhio	888
Arizona	843
ndiana	803
owa	755
Kansas	716
ottom 5	
Louisiana	-273
Kentucky	-346
Tennessee	-388
Oklahoma	-473
Missouri	-498

1.537

871

831

782

652

506

436

435

414

340

256

254

217

178

-76

-83

-169

-172

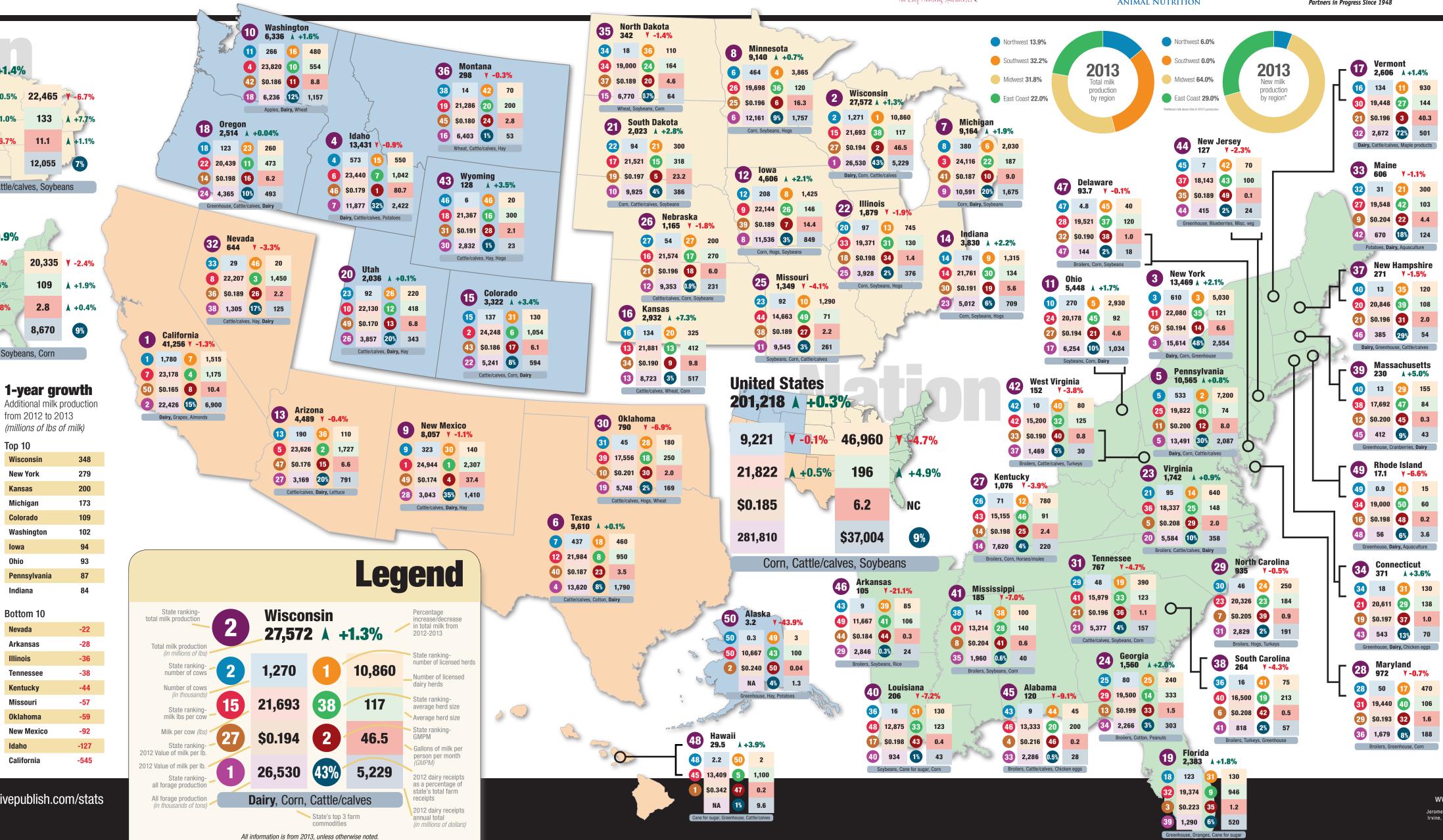
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Тор	10
Wis	CO
Nev	v Y
Kar	isa
Mic	hi
Col	ora
Wa	shi
low	a
Ohi	0
Per	ine

Bottom 1 Nevada Arkansa

Illinois Tennessee Kentucky Missouri Oklahoma New Mexico Idaho

Source: February 2013 Milk Production Report, USDA Statistical ties are represented by the same numerical rankir

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AGRI-PLASTICS



## Top 50 dairy counties monthly totals in Ibs from May 2013)

State	County	May 2013 (in lbs)	Rank	May 2012 (in lbs)	Rank	Chang (annual)
CA	Tulare	1,023,929,156	1	1,015,830,923	1	+0.8%
CA	Merced	511,504,980	2	517,298,213	2	-1.1%
CA	Kings	379,332,018	3	379,194,644	4	+0.04%
CA	Stanislaus	370,245,836	4	379,512,658	3	-2.4%
CA	Kern	368,723,568	5	366,047,835	5	+0.7%
ID	Gooding*	336,978,255	6	335,635,712	7	+0.4%
CA	Fresno	244,040,687	7	238,621,565	8	+2.3%
WA	Yakima	234,145,836	8	227,209,885	9	+3.1%
AZ	Maricopa	214,729,660	9	337,173,415	6	-36.3%
CA	San Joaquin	209,411,068	10	209,922,044	10	-0.2%
PA	Lancaster	204,417,437	11	198,159,121	11	+3.2%
NM	Chaves	173,387,485	12	173,711,014	12	-0.2%
AZ	Pinal	162,553,991	13	47,699,288		+240.8
CA	Madera	160,442,971	14	160,558,377	13	-0.1%
ID	Jerome*	159,730,943	15	159,094,564	14	+0.4%
CO	Weld	155,546,587	16	149,733,847	17	+3.9%
NM	Curry	154,494,624	17	140,520,776	18	+9.9%
ID	Twin Falls*	152,333,160	18	151,726,255	15	+0.4%
NM	Roosevelt	123,699,713	19	109,349,953	21	+13.19
CA	San Bernardino	119,023,489	20	149,827,607	16	-20.6%
ID	Cassia*	111,315,076	21	110,871,590	19	+0.4%
WI	Manitowoc	110,097,571	22	107,138,244	22	+2.8%
	Stearns	108,599,684	23	106,393,169	23	+2.1%
	Dane	104,393,186	24	105,243,099	25	-0.8%
	Outagamie	95,823,506	25	90,901,373	31	+5.4%
	Clark	95,236,416	26	110,672,682	20	-13.9%
	Fond Du Lac	93,807,814	27	99,430,586	26	-5.7%
	Brown	93,223,533	28	92,324,375	28	+1.0%
NY	Wyoming	92,512,978	29	92,987,412	27	-0.5%
NM	Dona Ana	90,307,306	30	83,926,284	32	+7.6%
	Marathon	89,912,408	31	105,512,044	24	-14.8%
тх	Erath	89,820,949	32	81,851,510	33	+9.7%
WA	Whatcom	87,065,181	33	90,924,651	30	-4.2%
CA	Riverside	85,973,821	34	92,175,650	29	-6.7%
тх	Castro	83,091,992	35	59,174,532		+40.4%
	Huron	82,522,925	36	81,431,149	34	+1.3%
NY	Cayuga	80,156,983	37	78,368,068	36	+2.3%
тх	Parmer	78,975,742	38	59,697,969		+32.39
	Kewaunee	78,251,531	39	78,920,272	35	-0.8%
	Grant	77,621,954	40	77,937,964	37	-0.4%
тх	Deaf Smith	77,516,710	41	73,147,766	38	+6.0%
	Sioux	75,249,071	42	64,123,110	46	+17.4%
OR	Morrow	72,866,760	43	71,134,620	39	+2.4%
PA	Franklin	71,750,598	44	70,374,601	41	+2.0%
ID	Canyon*	70,360,711	45	70,080,390	42	+0.4%
WI	Shawano	69,904,772	46	69,586,648	43	+0.5%
	Dodge	69,249,554	47	70,851,441	40	-2.3%
	Clinton	67,200,567	48	64,084,187	47	+4.9%
	Hamilton	66,809,669	49	51,187,049		+30.5%
VT	Franklin	66,266,731	50	64,413,960	45	+2.9%
urce: te:	*Estimated May 201 This data represents	& Federal Milk Marké 3 milk production for only one month of fe nual milk production a	ldaho couni derally mark	ies eted milk productio		
ote.		nual milk production a				

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