

## MAPLE SYRUP

**UNITED STATES:** The 2004 United States maple syrup production totaled 1.51 million gallons, up 20 percent from 2003. The number of taps was estimated at 6.96 million, up two percent from the 2003 total of 6.83 million, while the yield per tap was estimated to be 0.217 gallons, up 17 percent from 2003.

Maple syrup production increased in every state this year and was at the highest level since 1996. Vermont led all states in production with 500,000 gallons, an increase of 19 percent from last season. Maine's production, at 290,000 gallons, increased two percent from 2003. New York produced 255,000 gallons, 21 percent above 2003. Production was up in Ohio by 53 percent, New Hampshire by 38 percent, Michigan by 36 percent, Massachusetts by 35 percent, Wisconsin by 32 percent, Pennsylvania by 15 percent, and Connecticut by 10 percent. Increased yield per tap in all states combined with more taps set in most producing states resulted in the production increase over the previous season.

Temperatures were generally favorable for good sap flow and syrup production in all of the maple producing states. Overall, the 2004 season lasted an average of 55 days. This compares to 50 days in 2003 and 52 days in 2002. Season length ranged from 89 days in Vermont to 25 days in Wisconsin. Several states reported cold temperatures early, then a brief warm-up that interrupted sap flows. Temperatures then returned to favorable levels, with mild days and cool nights, which increased sap flows.

Sugar content of the sap for 2004 was lower than last year. Approximately 42 gallons of sap was required to produce one gallon of syrup. This compares with 41 gallons in 2003 and 45 gallons in 2002. Overall, more light syrup was produced than last year, but most syrup produced was of medium amber.

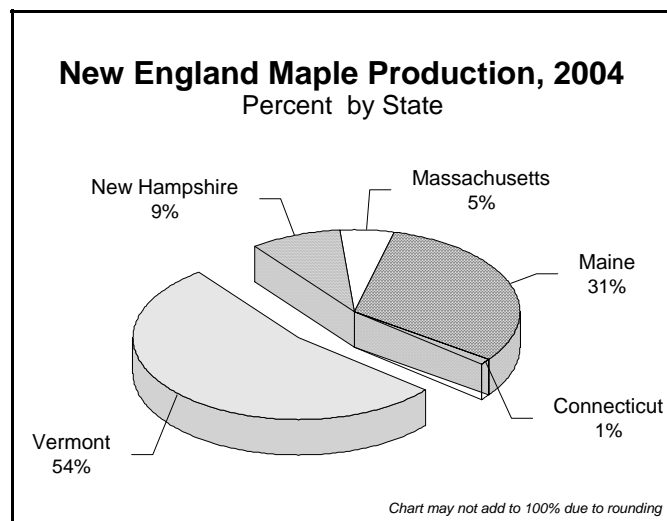
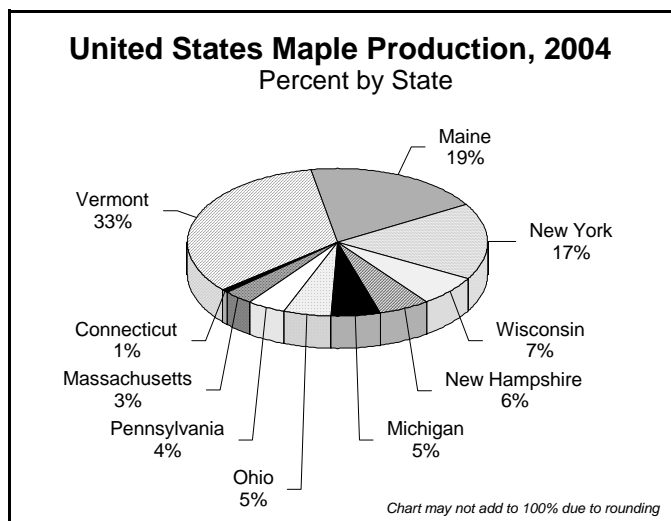
The 2003 United States average price per gallon was \$28.30, up \$0.80 from the 2002 price of \$27.50. The United States value of production, at \$35.6 million for 2003, was down 12 percent from 2002. The average price per gallon

increased in Connecticut, Maine, Massachusetts, New Hampshire, New York, Ohio, Pennsylvania, and Vermont, with Michigan and Wisconsin showing a price decrease.

**NEW ENGLAND (excluding Rhode Island):** In New England, maple syrup production for 2004 totaled 934,000 gallons, up 15 percent from last year. Vermont remained the largest producing state in New England and the Nation, with 54 percent of the region's production and 33 percent of the total United States syrup. Taps in New England totaled 4.0 million, up two percent from last year and making up 58 percent of the Nation's maple taps.

The 2004 maple season was rated mostly favorable, causing production increases in all of the New England States. Temperatures were reported at 68 percent favorable, 19 percent too cool, and 13 percent too warm. The season was much better than last year in most areas. Sap started to run earlier this year. Earliest dates for each state were as follows: Connecticut and Vermont - February 1, New Hampshire - February 8, Maine - February 12, and Massachusetts - February 14. Latest closing dates were: Massachusetts - April 24, New Hampshire - April 28, Connecticut - April 29, Vermont - April 30, and Maine - May 4. The sugar content of the sap was above average, requiring approximately 41 gallons of sap to produce a gallon of syrup. The majority of the syrup produced was medium amber followed by light and then dark syrup.

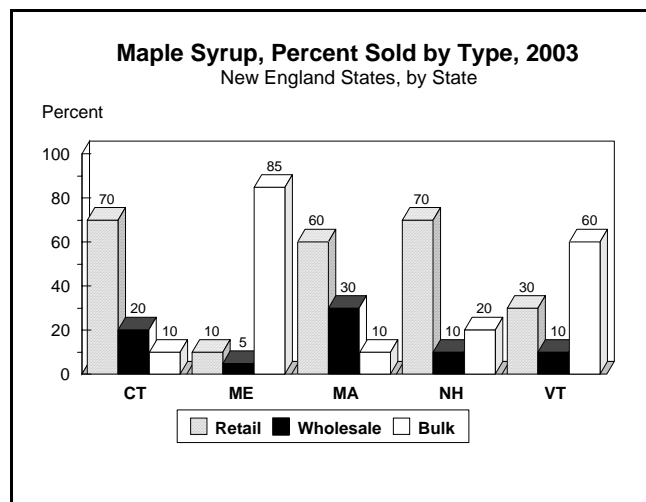
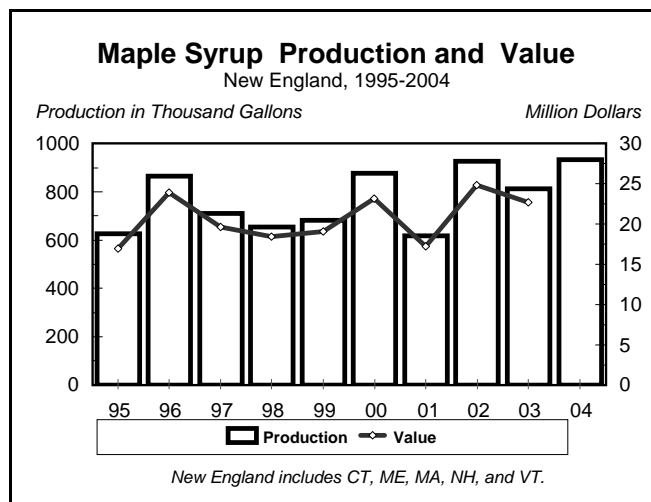
**2003 PRICES AND SALES:** Across New England, the average equivalent price per gallon for 2003 maple syrup varied widely depending on the percentage sold retail, wholesale, or bulk. The 2003 all sales equivalent price increased \$1.40 in Connecticut to \$48.60, \$3.10 in Maine to \$22.50, \$2.40 in Massachusetts to \$41.90, \$1.90 in New Hampshire to \$43.00, and \$0.80 in Vermont to \$27.80. Maine's price continues to be lower than the other states due to the high percentage of bulk sales within that state. New England's 2003 gallon equivalent price of \$27.96 reflects an increase of \$1.09 from the 2002 price of \$26.87. See table on page 69 for retail prices by state.



MAPLE SYRUP: Production, Price, and Value, 1995 - 2004

State and Year	Production	Taps	Yield per Tap	Average Gallon Equivalent Price of All Sales <sup>1/</sup>	Value of Production	State and Year	Production	Taps	Yield per Tap	Average Gallon Equivalent Price of All Sales <sup>1/</sup>	Value of Production
	1,000 Gallons	1,000 Taps	Gallons	Dollars	1,000 Dollars		1,000 Gallons	1,000 Taps	Gallons	Dollars	1,000 Dollars
<b>Connecticut</b>						<b>New Hampshire</b>					
1995	7	2/	2/	40.2	281	1995	64	2/	2/	38.00	2,432
1996	10	2/	2/	42.7	427	1996	89	2/	2/	37.20	3,311
1997	9	2/	2/	41.7	375	1997	76	2/	2/	40.20	3,055
1998	9	2/	2/	41.1	370	1998	70	2/	2/	36.20	2,534
1999	14	2/	2/	42.8	599	1999	63	2/	2/	37.40	2,356
2000	7	57	0.123	43.9	307	2000	80	380	0.211	38.10	3,048
2001	10	57	0.175	45.7	457	2001	50	350	0.143	40.00	2,000
2002	10	62	0.161	47.2	472	2002	83	380	0.218	41.10	3,411
2003	10	62	0.161	48.6	486	2003	60	350	0.171	43.00	2,589
2004	11	62	0.177	4/	4/	2004	83	360	0.231	4/	4/
<b>Maine</b>						<b>Vermont</b>					
1995	162	2/	2/	18.3	2,965	1995	365	2/	2/	27.80	10,147
1996	167	2/	2/	20.1	3,357	1996	550	2/	2/	26.50	14,575
1997	185	2/	2/	19.8	3,663	1997	395	2/	2/	27.60	10,902
1998	150	2/	2/	20.6	3,090	1998	375	2/	2/	29.00	10,875
1999	190	2/	2/	19.4	3,686	1999	370	2/	2/	29.00	10,730
2000	270	1,275	0.212	14.2	3,834	2000	480	2,170	0.221	30.00	14,400
2001	232	1,280	0.181	18.7	4,338	2001	290	2,100	0.138	30.80	8,932
2002	275	1,280	0.215	19.4	5,335	2002	510	2,180	0.234	27.00	13,770
2003	285	1,295	0.220	22.5	6,413	2003	420	2,030	0.207	27.80	11,676
2004	290	1,290	0.225	4/	4/	2004	500	2,100	0.238	4/	4/
<b>Massachusetts</b>						<b>New England <sup>3/</sup></b>					
1995	29	2/	2/	38.10	1,105	1995	627	2/	2/	27.00	16,930
1996	49	2/	2/	38.90	1,906	1996	865	2/	2/	27.26	23,576
1997	44	2/	2/	37.20	1,637	1997	709	2/	2/	27.69	19,632
1998	52	2/	2/	36.20	1,882	1998	656	2/	2/	28.58	18,751
1999	47	2/	2/	38.80	1,824	1999	684	2/	2/	28.06	19,195
2000	41	255	0.161	37.80	1,550	2000	878	4,137	0.212	26.35	23,139
2001	37	215	0.172	40.60	1,502	2001	619	4,002	0.155	27.83	17,229
2002	48	230	0.209	39.50	1,896	2002	926	4,132	0.224	26.87	24,884
2003	37	220	0.168	41.90	1,550	2003	812	3,957	0.205	27.96	22,705
2004	50	235	0.213	4/	4/	2004	934	4,047	0.231	4/	4/

<sup>1/</sup> Average gallon equivalent price in United States dollars is a weighted average across retail, wholesale, and bulk sales. This price is lower for states, such as Maine, with more wholesale and bulk sales. The average gallon equivalent price is not the average retail price paid for a gallon of syrup -- see page 69 for retail gallon average prices.  
<sup>2/</sup> Data series started in 2000.  
<sup>3/</sup> New England includes Connecticut, Maine, Massachusetts, New Hampshire, and Vermont.  
<sup>4/</sup> Price and value for 2004 are not available until June, 2005.



## MAPLE SYRUP: Retail and Wholesale Prices and Size of Containers, 2001- 2003

State and Year	Retail								Wholesale						
	Gallon	Half Gallon	Quart	Pint	Half Pint	3.4 oz (100 ml)	8.5 oz (250 ml)	12 oz (355 ml)	Gallon	Half Gallon	Quart	Pint	Half Pint	3.4 oz (100 ml)	8.5 oz (250 ml)
	Dollars														
<b>Connecticut</b>															
2001	35.40	20.30	11.70	6.90	4.40	2.60	2/	1/	28.70	17.50	10.30	5.40	2/	2/	1/
2002	37.50	21.20	11.80	7.30	4.60	2.60	7.50	2/	30.30	16.80	9.20	5.20	3.40	1.50	2/
2003	36.90	21.00	12.30	7.50	4.70	3.40	8.10	2/	31.30	16.70	9.00	5.30	3.00	1.50	2/
<b>Maine</b>															
2001	32.10	18.30	10.20	5.90	4.00	2.10	2/	1/	26.70	14.20	8.00	4.60	2.80	2/	1/
2002	34.00	18.60	10.50	6.50	4.20	2.00	5.70	8.40	28.20	16.80	8.40	4.80	3.00	1.70	5.30
2003	35.70	19.20	11.00	7.10	4.90	2.60	7.40	2/	28.50	16.90	8.30	4.90	2.90	2/	4.60
<b>Massachusetts</b>															
2001	33.10	19.90	11.60	6.80	4.30	2/	2/	1/	30.30	2/	9.40	5.40	3.50	1.60	1/
2002	35.00	20.40	12.30	7.90	5.20	2.30	11.10	N/A	25.80	16.50	9.10	5.70	3.80	1.50	8.30
2003	35.00	20.10	12.10	7.50	5.00	2.40	2/	2/	27.20	16.80	9.20	5.60	3.40	1.90	2/
<b>New Hampshire</b>															
2001	34.50	19.80	11.30	6.80	3.90	2.40	7.10	1/	28.70	15.80	9.00	5.20	3.10	2/	1/
2002	33.30	19.00	11.30	6.80	4.10	2.40	6.10	6.70	28.30	17.20	10.40	5.60	3.50	2.30	4.40
2003	34.60	20.10	11.80	7.20	4.20	3.10	8.40	2/	27.60	17.00	9.60	5.50	3.40	1.80	5.00
<b>Vermont</b>															
2001	32.40	19.00	11.40	7.00	4.70	2.90	6.10	1/	28.80	16.20	9.20	5.20	3.30	2/	1/
2002	31.40	18.20	11.30	7.10	4.50	2.50	7.20	7.50	25.00	16.20	9.30	5.40	3.40	2.10	4.90
2003	31.70	18.70	11.50	7.10	4.60	2.80	7.90	2/	27.80	17.10	9.60	5.80	3.60	2.10	6.00
<b>Michigan</b>															
2001	33.00	18.40	10.30	6.00	3.90	3/	3/	3/	25.60	15.60	8.50	4.70	2.70	3/	3/
2002	31.00	17.50	10.10	6.00	4.10	3/	3/	3/	25.00	15.30	8.70	4.90	3.40	3/	3/
2003	33.10	18.60	10.10	6.10	4.40	3/	3/	3/	27.50	14.90	8.50	4.80	3.70	3/	3/
<b>New York</b>															
2001	29.90	17.30	10.10	6.30	4.20	3/	3/	3/	25.80	15.60	8.65	5.05	3.00	3/	3/
2002	29.70	17.70	9.90	6.50	4.20	3/	3/	3/	26.90	14.80	8.00	4.70	2.90	3/	3/
2003	30.20	17.80	10.40	6.50	4.30	3/	3/	3/	25.50	14.70	8.00	4.80	3.00	3/	3/
<b>Ohio</b>															
2001	29.30	17.00	9.70	6.00	4.60	3/	3/	3/	24.70	14.70	8.40	4.80	3.80	3/	3/
2002	29.80	17.80	10.20	6.30	4.10	3/	3/	3/	24.10	14.30	9.20	5.60	3.20	3/	3/
2003	29.40	17.40	10.20	7.10	4.30	3/	3/	3/	24.10	15.80	9.00	4.70	2/	3/	3/
<b>Pennsylvania</b>															
2001	28.30	16.70	9.60	5.70	3.50	3/	3/	3/	26.70	14.50	8.20	4.90	3.00	3/	3/
2002	29.10	16.50	9.70	5.70	3.60	3/	3/	3/	27.00	16.00	8.70	4.90	3.20	3/	3/
2003	28.80	17.50	10.00	6.00	3.80	3/	3/	3/	27.20	15.70	8.30	4.80	2.90	3/	3/
<b>Wisconsin</b>															
2001	27.80	15.30	8.30	5.10	3.30	3/	3/	3/	27.60	15.30	8.10	4.60	3.00	3/	3/
2002	27.80	15.50	8.50	5.30	3.30	3/	3/	3/	26.40	14.50	7.90	4.50	2.80	3/	3/
2003	28.40	15.30	8.30	4.95	3.15	3/	3/	3/	27.70	15.20	8.30	4.50	2.85	3/	3/

<sup>1/</sup> Data available for the first time in 2002.<sup>2/</sup> Data not published to avoid disclosing individual operations<sup>3/</sup> Only available in New England States.

## MAPLE SYRUP: Bulk Prices by Grade, 2001- 2003

State and Year	Bulk					All Sales per Gallon Equivalent Price <sup>1/</sup>
	Grade A			Grades B and C	All Grades	
	Light Amber	Med Amber	Dark Amber			
Dollars Per Pound <sup>2/</sup>						Dollars
<b>Connecticut</b>						
2001	N/A	N/A	3/	3/	1.20	45.70
2002	N/A	N/A	N/A	3/	3/	47.20
2003	N/A	N/A	N/A	3/	3/	48.60
<b>Maine</b>						
2001	1.57	1.49	1.43	1.04	1.45	18.70
2002	1.74	1.64	1.57	1.15	1.50	19.40
2003	1.76	1.70	1.63	1.18	1.60	22.50
<b>Massachusetts</b>						
2001	1.88	1.72	3/	1.36	1.40	40.60
2002	1.91	1.78	1.54	1.03	1.50	39.50
2003	1.85	1.58	1.40	1.03	1.30	41.90
<b>New Hampshire</b>						
2001	2.14	1.81	1.49	1.14	1.60	40.00
2002	2.08	1.80	1.43	1.08	1.40	41.10
2003	1.87	1.71	1.40	1.03	1.40	43.00
<b>Vermont</b>						
2001	2.20	1.95	1.67	1.33	1.90	30.80
2002	2.02	1.81	1.55	1.27	1.70	27.00
2003	2.00	1.76	1.51	1.20	1.60	27.80
<b>Michigan</b>						
2001	4/	4/	4/	4/	1.80	29.70
2002	4/	4/	4/	4/	1.50	32.50
2003	4/	4/	4/	4/	1.90	31.20
<b>New York</b>						
2001	4/	4/	4/	4/	1.40	29.50
2002	4/	4/	4/	4/	1.30	26.30
2003	4/	4/	4/	4/	1.30	26.80
<b>Ohio</b>						
2001	4/	4/	4/	4/	1.55	31.30
2002	4/	4/	4/	4/	1.45	32.30
2003	4/	4/	4/	4/	1.60	35.10
<b>Pennsylvania</b>						
2001	4/	4/	4/	4/	1.40	25.30
2002	4/	4/	4/	4/	1.30	26.70
2003	4/	4/	4/	4/	1.05	27.40
<b>Wisconsin</b>						
2001	4/	4/	4/	4/	1.50	29.20
2002	4/	4/	4/	4/	1.40	29.30
2003	4/	4/	4/	4/	1.50	29.10

<sup>1/</sup> Average gallon equivalent price was a weighted average across retail, wholesale, and bulk sales.<sup>2/</sup> For dollars per gallon: multiply dollars per pound by 11.02 pounds per gallon.<sup>3/</sup> Data not published to avoid disclosing individual operations.<sup>4/</sup> Only available in New England States.