

MAPLE SYRUP

UNITED STATES: The 2003 United States maple syrup production totaled 1.24 million gallons, down 11 percent from last year's production of 1.39 million gallons. The number of taps was estimated at 6.62 million, down two percent from the 2002 total of 6.75 million, while the yield per tap was estimated to be .187 gallons, down from .206 gallons in 2002.

Vermont led all States in production with 430,000 gallons for 2003, a decrease of 14 percent from last season. New York's production, at 210,000 gallons, decreased 19 percent from 2002. Production decreases in Vermont and New York were attributed to cold weather early in the spring, and then temperatures warmed too quickly late in the season. Heavy snowcover made tapping trees and running tubing more difficult this year. Some producers decided not to tap due to the heavy amounts of snow received.

Maine produced 265,000 gallons, 15 percent above 2002. Maine was the only State to show an increase over last season. Weather in Maine was very similar to that of Vermont and New York. However, producers in northern Maine experienced a heavy sap run in mid-April, which enabled the State's production to show the increase over 2002.

Maple syrup production is down in Massachusetts, Michigan, New Hampshire, Ohio, Pennsylvania, and Wisconsin. In Connecticut, production was unchanged from last year. These States also cited extremely cold weather conditions early, followed by temperatures that warmed too quickly. In some areas of these States, producers decided not to tap due to excessive snow cover.

Temperatures were generally unfavorable for good sap flow and syrup production in all of the maple producing States. Overall, the 2003 season lasted an average of 50 days. This compared to 52 days in 2002 and 29 days in 2001. Season length ranged from 85 days in Connecticut to 15 days in Ohio.

Sugar content of the sap for 2003 was higher than last year. Approximately 41 gallons of sap was required to produce one gallon of syrup. This compared with 45 gallons in 2002 but unchanged from 2001. Most syrup was dark and medium colored, with only a small quantity of light syrup produced.

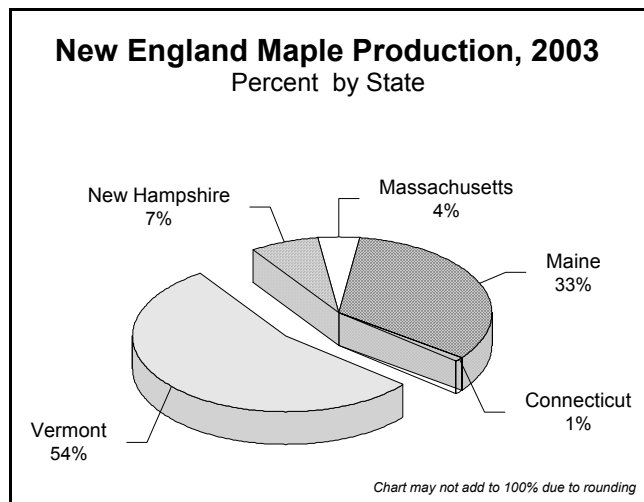
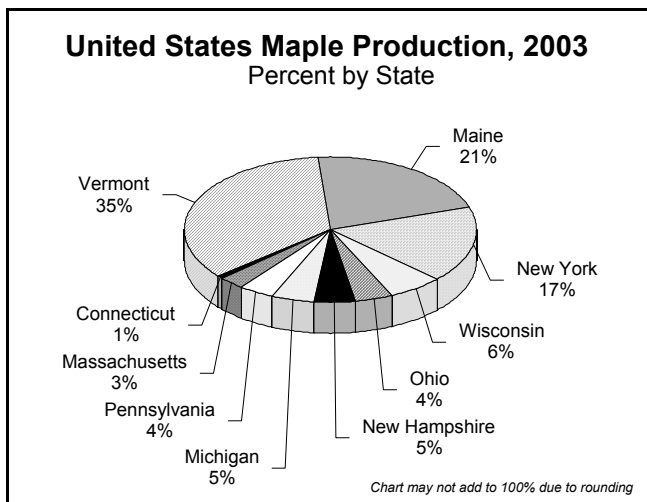
The 2002 United States average gallon equivalent price (not retail price) was \$27.60, down \$1.00 from the 2001 price of \$28.60. The United States value of production, at \$38.4

million for 2002, was up 28 percent from 2001. Prices increased in Connecticut, Maine, Michigan, New Hampshire, Ohio, Pennsylvania, and Wisconsin, with each of the other maple producing States showing a price decrease.

NEW ENGLAND (excluding Rhode Island): In New England, maple syrup production for 2003 totaled 795,000 gallons, down seven 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 35 percent of the total United States syrup. Taps in New England totaled 3.8 million, down three percent from the 3.9 million set last year and making up 57 percent of the Nation's maple taps.

The 2003 maple season was mostly rated too cold, causing production decreases in three of the five New England States. Temperatures were reported to be 45 percent too cold, 30 percent too warm, and 25 percent favorable. The season started off cold and then warmed up too fast at the end. Sap started to run late this year, especially in the Southern New England States where excessive snow kept operators from tapping. Earliest dates for each State were as follows: Connecticut - February 2; Maine - February 11; New Hampshire and Vermont - February 15; and Massachusetts - February 19. Latest closing dates were: Connecticut and Massachusetts - April 28; New Hampshire and Vermont - April 30; and Maine - May 2. 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 dark amber followed by medium and then light syrup.

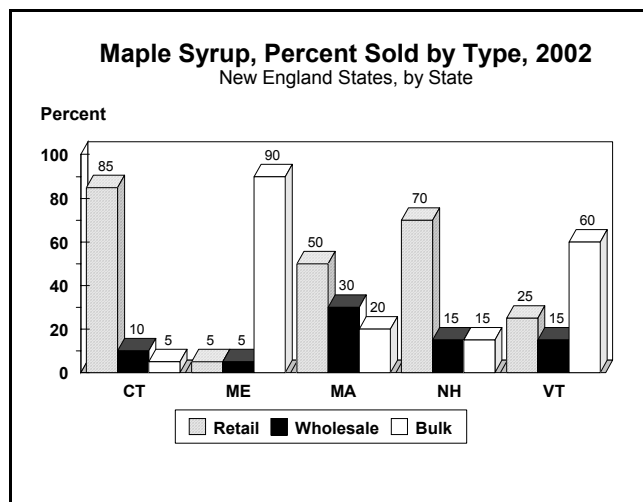
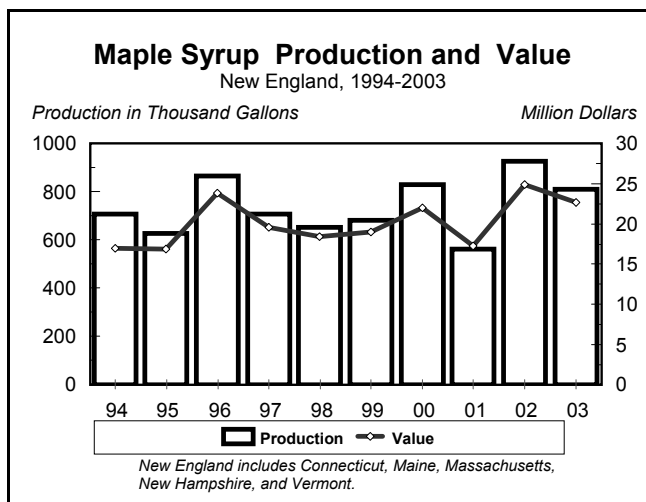
2002 PRICES AND SALES: Across New England, the average equivalent price per gallon for 2002 maple syrup varied widely depending on the percentage sold retail, wholesale or bulk. The 2002 all sales equivalent price increased \$1.50 in Connecticut to \$47.20, \$0.70 in Maine to \$19.40, and \$1.10 in New Hampshire to \$41.10. The all equivalent price decreased \$1.10 in Massachusetts to \$39.50 and \$3.80 in Vermont to \$27.00. Maine's price continues to be lower than the other States due to the high percentage of bulk sales within that State. This also explains the large drop in price in Vermont as their bulk sales increased from 50 to 60 percent. New England's 2002 gallon equivalent price of \$27.04 reflects a decrease of \$1.03 from the 2001 price of \$28.07.



MAPLE SYRUP: Production, Price, and Value, 1994 - 2003

State and Year	Production	Taps	Yield per Tap	Average Gallon Equivalent Price of All Sales ^{1/}	Value of Production	State and Year	Production	Taps	Yield per Tap	Average Gallon Equivalent Price of All Sales ^{1/}	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
Connecticut						New Hampshire					
1994	11	2/	2/	42.80	471	1994	73	2/	2/	34.80	2,540
1995	7	2/	2/	40.20	281	1995	64	2/	2/	37.70	2,413
1996	10	2/	2/	42.70	427	1996	89	2/	2/	37.20	3,311
1997	9	2/	2/	41.70	375	1997	76	2/	2/	40.20	3,055
1998	9	2/	2/	41.10	370	1998	67	2/	2/	36.20	2,425
1999	13	2/	2/	42.80	556	1999	61	2/	2/	37.40	2,281
2000	7	51	0.137	43.90	307	2000	75	370	0.203	38.10	2,858
2001	9	51	0.176	45.70	411	2001	45	335	0.134	40.00	1,800
2002	8	51	0.157	47.20	378	2002	75	345	0.217	41.10	3,083
2003	8	50	0.160	4/	4/	2003	57	325	0.175	4/	4/
Maine						Vermont					
1994	150	2/	2/	14.30	2,145	1994	435	2/	2/	23.90	10,397
1995	162	2/	2/	18.30	2,965	1995	365	2/	2/	27.80	10,147
1996	167	2/	2/	21.90	3,657	1996	550	2/	2/	26.50	14,575
1997	185	2/	2/	19.80	3,663	1997	395	2/	2/	27.60	10,902
1998	170	2/	2/	20.60	3,502	1998	360	2/	2/	29.00	10,440
1999	195	2/	2/	19.40	3,783	1999	370	2/	2/	29.00	10,730
2000	250	1,085	0.230	14.20	3,550	2000	460	2,150	0.214	30.00	13,800
2001	200	1,085	0.184	18.70	3,740	2001	275	2,090	0.132	30.80	8,470
2002	230	1,085	0.212	19.40	4,460	2002	500	2,170	0.230	27.00	13,500
2003	265	1,095	0.242	4/	4/	2003	430	2,090	0.206	4/	4/
Massachusetts						New England 3/					
1994	40	2/	2/	36.40	1,456	1994	709	2/	2/	23.99	17,009
1995	29	2/	2/	38.10	1,105	1995	627	2/	2/	26.97	16,911
1996	49	2/	2/	38.90	1,906	1996	865	2/	2/	27.60	23,876
1997	44	2/	2/	37.20	1,637	1997	709	2/	2/	27.69	19,632
1998	47	2/	2/	36.20	1,701	1998	653	2/	2/	28.24	18,438
1999	44	2/	2/	38.80	1,707	1999	683	2/	2/	27.90	19,057
2000	39	245	0.159	37.80	1,474	2000	831	3,901	0.213	26.46	21,989
2001	34	200	0.170	40.60	1,380	2001	563	3,761	0.150	28.07	15,801
2002	45	215	0.209	39.50	1,778	2002	858	3,866	0.222	27.04	23,199
2003	35	205	0.171	4/	4/	2003	795	3,765	0.211	4/	4/

^{1/} 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.
^{2/} Data series started in 2000.
^{3/} New England includes Connecticut, Maine, Massachusetts, New Hampshire, and Vermont.
^{4/} Price and value for 2003 are not available until June, 2004.



MAPLE SYRUP: Retail and Wholesale Prices and Size of Containers, 2000 - 2002

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														
Connecticut															
2000	36.70	20.10	11.70	7.30	4.60	2.50	1/	2/	3/	18.00	9.10	5.60	3.50	1.70	2/
2001	35.40	20.30	11.70	6.90	4.40	2.60	3/	2/	28.70	17.50	10.30	5.40	3/	3/	2/
2002	37.50	21.20	11.80	7.30	4.60	2.60	7.50	3/	30.30	16.80	9.20	5.20	3.40	1.50	3/
Maine															
2000	31.60	17.90	10.00	6.20	4.50	2.30	1/	2/	24.50	13.20	7.50	4.60	3.50	3/	2/
2001	32.10	18.30	10.20	5.90	4.00	2.10	3/	2/	26.70	14.20	8.00	4.60	2.80	3/	2/
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
Massachusetts															
2000	33.90	19.20	11.20	6.70	4.10	2.10	1/	2/	28.60	15.70	9.00	5.10	3.00	1.50	2/
2001	33.10	19.90	11.60	6.80	4.30	3/	3/	2/	30.30	3/	9.40	5.40	3.50	1.60	2/
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
New Hampshire															
2000	33.90	18.80	11.30	6.60	3.90	2.60	1/	2/	23.70	15.50	8.30	4.90	2.90	2.40	2/
2001	34.50	19.80	11.30	6.80	3.90	2.40	7.10	2/	28.70	15.80	9.00	5.20	3.10	3/	2/
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
Vermont															
2000	31.60	18.00	10.50	6.60	4.30	2.60	1/	2/	26.40	15.30	8.60	5.10	3.40	3/	2/
2001	32.40	19.00	11.40	7.00	4.70	2.90	6.10	2/	28.80	16.20	9.20	5.20	3.30	3/	2/
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
Michigan															
2000	32.00	18.50	9.70	6.10	4.00	4/	4/	4/	29.50	15.60	7.60	4.50	2.50	4/	4/
2001	33.00	18.40	10.30	6.00	3.90	4/	4/	4/	25.60	15.60	8.50	4.70	2.70	4/	4/
2002	31.00	17.50	10.10	6.00	4.10	4/	4/	4/	25.00	15.30	8.70	4.90	3.40	4/	4/
New York															
2000	28.10	16.50	9.80	6.35	3.95	4/	4/	4/	24.30	14.20	7.65	4.55	2.75	4/	4/
2001	29.90	17.30	10.10	6.30	4.20	4/	4/	4/	25.80	15.60	8.65	5.05	3.00	4/	4/
2002	29.70	17.70	9.90	6.50	4.20	4/	4/	4/	26.90	14.80	8.00	4.70	2.90	4/	4/
Ohio															
2000	28.80	16.60	9.90	6.10	4.40	4/	4/	4/	27.20	15.00	8.50	5.40	3.70	4/	4/
2001	29.30	17.00	9.70	6.00	4.60	4/	4/	4/	24.70	14.70	8.40	4.80	3.80	4/	4/
2002	29.80	17.80	10.20	6.30	4.10	4/	4/	4/	24.10	14.30	9.20	5.60	3.20	4/	4/
Pennsylvania															
2000	29.00	17.00	9.90	5.80	3.60	4/	4/	4/	27.10	14.90	8.20	4.70	2.90	4/	4/
2001	28.30	16.70	9.60	5.70	3.50	4/	4/	4/	26.70	14.50	8.20	4.90	3.00	4/	4/
2002	29.10	16.50	9.70	5.70	3.60	4/	4/	4/	27.00	16.00	8.70	4.90	3.20	4/	4/
Wisconsin															
2000	27.60	15.20	8.10	4.10	2.40	4/	4/	4/	25.30	14.50	8.40	4.30	2.70	4/	4/
2001	27.80	15.30	8.30	5.10	3.30	4/	4/	4/	27.60	15.30	8.10	4.60	3.00	4/	4/
2002	27.80	15.50	8.50	5.30	3.30	4/	4/	4/	26.40	14.50	7.90	4.50	2.80	4/	4/

1/ Data available for the first time in 2001.

2/ Data available for the first time in 2002.

3/ Data not published to avoid disclosing individual operations.

4/ Only available in New England States.

MAPLE SYRUP: Bulk Prices by Grade, 2000 - 2002

State and Year	Bulk					All Sales per Gallon Equivalent Price ^{1/}
	Grade A			Grades B and C	All Grades	
	Light Amber	Med Amber	Dark Amber			
Dollars Per Pound ^{2/}						Dollars
Connecticut						
2000	3/	3/	3/	3/	1.10	43.90
2001	N/A	N/A	3/	3/	1.20	45.70
2002	N/A	N/A	N/A	3/	3/	47.20
Maine						
2000	1.16	1.06	.99	.79	1.00	14.20
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
Massachusetts						
2000	1.62	1.50	1.32	1.16	1.30	37.80
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
New Hampshire						
2000	1.92	1.72	1.42	.95	1.40	38.10
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
Vermont						
2000	1.83	1.70	1.53	1.30	1.60	30.00
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
Michigan						
2000	4/	4/	4/	4/	1.80	35.10
2001	4/	4/	4/	4/	1.80	29.70
2002	4/	4/	4/	4/	1.50	32.50
New York						
2000	4/	4/	4/	4/	1.35	29.00
2001	4/	4/	4/	4/	1.40	29.50
2002	4/	4/	4/	4/	1.30	26.30
Ohio						
2000	4/	4/	4/	4/	1.45	34.30
2001	4/	4/	4/	4/	1.55	31.30
2002	4/	4/	4/	4/	1.45	32.30
Pennsylvania						
2000	4/	4/	4/	4/	1.30	28.40
2001	4/	4/	4/	4/	1.40	25.30
2002	4/	4/	4/	4/	1.30	26.70
Wisconsin						
2000	4/	4/	4/	4/	1.40	27.70
2001	4/	4/	4/	4/	1.50	29.20
2002	4/	4/	4/	4/	1.40	29.30

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