

MAPLE SYRUP

UNITED STATES: The 2002 U.S. maple syrup production totaled 1.36 million gallons, up 29 percent from last year's production of 1.05 million gallons. The number of taps was estimated at 6.58 million, up one percent from the 2001 total of 6.48 million, while the yield per tap is estimated to be 0.206 gallons, up from 0.162 gallons in 2001.

Vermont led all States in production with 495,000 gallons for 2002, an increase of 80 percent from last season. Maine was second with 230,000 gallons, up 15 percent from 2001. New York's production, at 228,000 gallons, increased 18 percent from 2001. Production increases in these three States are attributed to favorable weather early in the spring which resulted in an earlier maple season and good sap flow. The lack of heavy snow cover made tapping trees and running tubing much easier this year.

Production increases from 2001 were also realized in Wisconsin, New Hampshire, Michigan, and Massachusetts. These States also cited favorable weather conditions early in spring and during the tapping season, allowing for good sap flow. However, Ohio, Pennsylvania, and Connecticut experienced lower production due to less favorable weather than the previous year.

Temperatures were generally favorable for good sap flow and syrup production in all States except Connecticut and Pennsylvania where warm weather at night did not allow the sap in the trees to freeze. Overall, the 2002 season lasted an average of 52 days. This compares to 29 days in 2001 and 27 days in 2000. Season length ranged from 30 days in Ohio and Wisconsin to 75 days in Connecticut, Maine, New Hampshire, and Vermont.

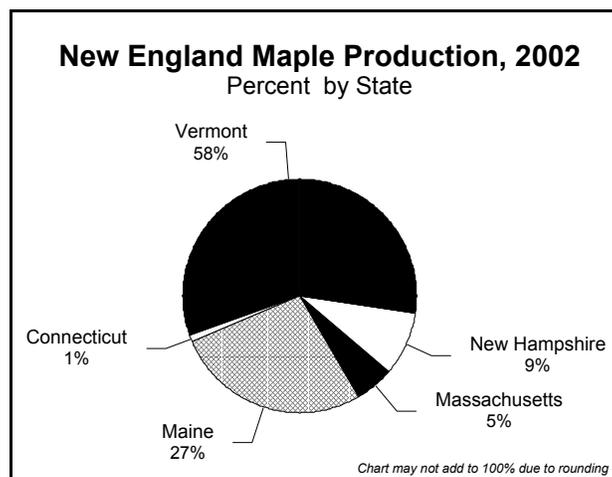
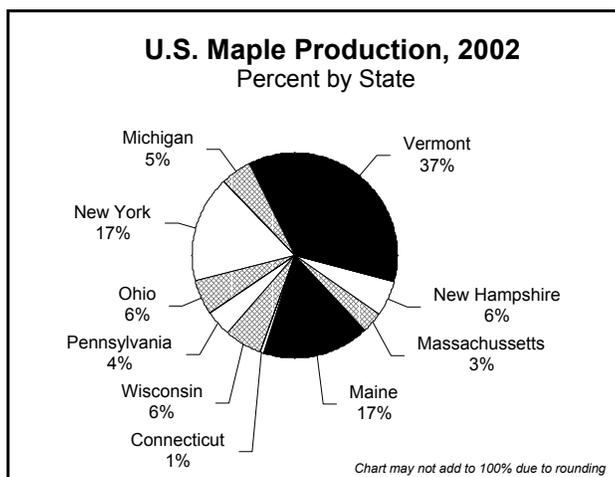
Sugar content of the sap was lower than 2001 with approximately 45 gallons of sap required to produce one gallon of syrup. This is in contrast with 41 gallons in 2001, but comparable to the 46 gallons in 2000. Slightly more of the higher demand light syrup was produced than in 2001, but most was of medium color.

The revised U.S. 2001 average price per gallon was \$28.70, up \$1.10 from the 2000 price of \$27.60. The value of production, at \$30.1 million for 2001, was down 11 percent from 2000. The largest price increases were realized in Maine, Massachusetts, and New Hampshire.

NEW ENGLAND (excluding Rhode Island): In New England, maple syrup production for 2002 totaled 853,000 gallons, up 52 percent from last year. Vermont remained the largest producing State in New England and the Nation, with 58 percent of the region's production and 37 percent of the total United States syrup. Taps in New England totaled 3.9 million, up three percent from the 3.8 million set last year, making up 59 percent of the Nation's maple taps.

The 2002 maple season was rated mostly favorable in temperatures, promoting optimum production in four of the five New England States. This was a positive change from last year when cold temperatures and excessive snow kept many maple producers from collecting sap. Output from all States, except Connecticut, rose above the previous year. Temperatures were reported to be 72 percent favorable, 15 percent too warm, and 13 percent too cool. Sap started to run early this year and caught many producers off guard, especially in the southern New England States. Opening dates for each State were: Connecticut - January 20; Massachusetts - February 9; New Hampshire - February 4; Vermont - February 9; and Maine - February 14. Closing dates were as follows: Connecticut - April 5; Massachusetts - April 10; New Hampshire - April 20; Vermont - April 25; and Maine - April 30. The sugar content of the sap was below average, requiring approximately 44 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.

2001 PRICES AND SALES: Across New England, the average equivalent price per gallon for 2001 maple syrup varied widely depending on the percentage sold retail, wholesale, or bulk. The 2001 all sales equivalent price increased in all States as follows: \$1.80 in Connecticut to \$45.70, \$4.50 in Maine to \$18.70, \$2.80 in Massachusetts to \$40.60, \$1.90 in New Hampshire to \$40.00, and \$0.80 in Vermont to \$30.80. Maine's price continues to be lower than the other States due to the high percentage of bulk sales within that State. The 2001 gallon equivalent price of \$28.07 in New England reflects an increase of \$1.61 from the 2000 price of \$26.46. Prices for additional smaller container sizes were asked for the first time this year. This information was used to derive the equivalent gallon price. However, the data was not published separately to avoid disclosure of individual operations. At the request of the industry, producers will no longer be asked to provide an early season estimate of current year prices.

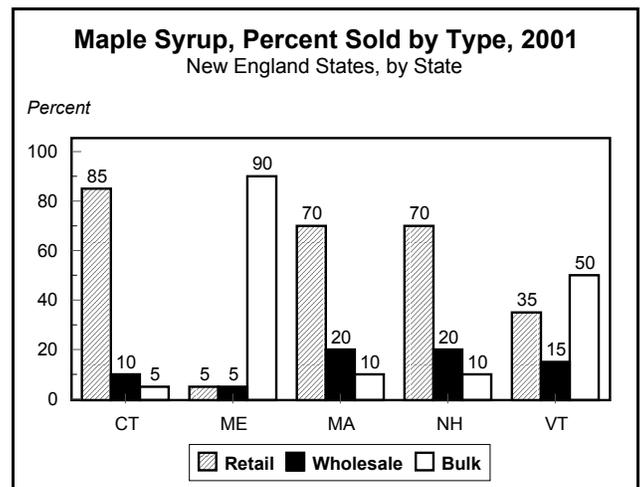
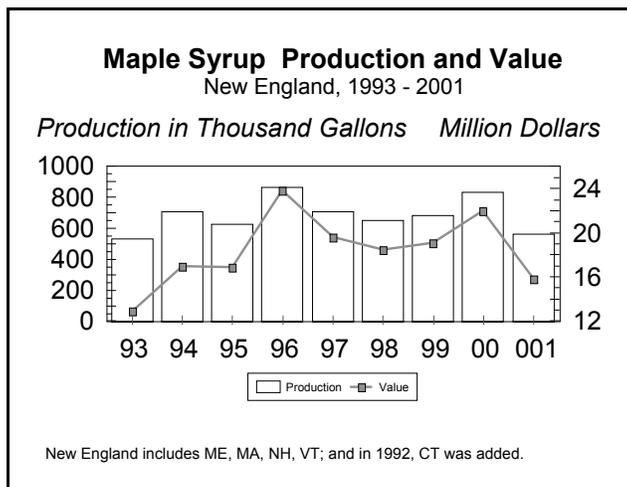


MAPLE SYRUP: Production, Price and Value, 1993 - 2002

STATE and YEAR	Production	Taps	Yield per Tap	Average Gallon Equivalent Price from All Sales ^{1/}	Value of Production
	1,000 Gallons	1,000 Taps	Gallons	Dollars	1,000 Dollars
Connecticut					
1993	10			43.20	432
1994	11			42.80	471
1995	7			40.20	281
1996	10			42.70	427
1997	9			41.70	375
1998	9			41.10	370
1999	13			42.80	556
2000	7	51 ^{2/}	0.137 ^{2/}	43.90	307
2001	9	51	0.176	45.70	411
2002	8	51	0.157	3/	3/
Maine					
1993	113			14.30	1,616
1994	150			14.30	2,145
1995	162			18.30	2,965
1996	167			21.90	3,657
1997	185			19.80	3,663
1998	170			20.60	3,502
1999	195			19.40	3,783
2000	250	1,085 ^{2/}	0.230 ^{2/}	14.20	3,550
2001	200	1,085	0.184	18.70	3,740
2002	230	1,085	0.212	3/	3/
Massachusetts					
1993	33			33.70	1,112
1994	40			36.40	1,456
1995	29			38.10	1,105
1996	49			38.90	1,906
1997	44			37.20	1,637
1998	47			36.20	1,701
1999	44			38.80	1,707
2000	39	245 ^{2/}	0.159 ^{2/}	37.80	1,474
2001	34	200	0.170	40.60	1,380
2002	45	215	0.209	3/	3/

STATE and YEAR	Production	Taps	Yield per Tap	Average Gallon Equivalent Price from All Sales ^{1/}	Value of Production
	1,000 Gallons	1,000 Taps	Gallons	Dollars	1,000 Dollars
New Hampshire					
1993	66			35.50	2,343
1994	73			34.80	2,540
1995	64			37.70	2,413
1996	89			37.20	3,311
1997	76			40.20	3,055
1998	67			36.20	2,425
1999	61			37.40	2,281
2000	75	370 ^{2/}	0.203 ^{2/}	38.10	2,858
2001	45	335	0.134	40.00	1,800
2002	75	345	0.217	3/	3/
Vermont					
1993	310			24.00	7,440
1994	435			23.90	10,397
1995	365			27.80	10,147
1996	550			26.50	14,575
1997	395			27.60	10,902
1998	360			29.00	10,440
1999	370			29.00	10,730
2000	460	2,150 ^{2/}	0.214 ^{2/}	30.00	13,800
2001	275	2,090	0.132	30.80	8,470
2002	495	2,170	0.228	3/	3/
New England ^{4/}					
1993	532			24.33	12,943
1994	709			23.99	17,009
1995	627			26.97	16,911
1996	865			27.60	23,876
1997	709			27.69	19,632
1998	653			28.24	18,438
1999	683			27.90	19,057
2000	831	3,901 ^{2/}	0.213 ^{2/}	26.46	21,989
2001	563	3,761	0.150	28.07	15,801
2002	853	3,866	0.221	3/	3/

^{1/} Average gallon equivalent price 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 68 for retail gallon average prices.**
^{2/} Data series started in 2000.
^{3/} 2002 price and value will be available June 11, 2003.
^{4/} New England includes CT, ME, MA, NH, and VT.



MAPLE SYRUP: Prices by Type of Sale and Size of Container, 1999 - 2001 ^{1/}

STATE and YEAR	Retail							Wholesale						Bulk					All Sales per gallon equivalent price ^{2/}
	Gal	½ Gal	Qt	Pt	½ Pt	3.4 oz (100 ml)	250 ml	Gal	½ Gal	Qt	Pt	½ Pt	3.4 oz (100 ml)	Grade A			Grades B / C	All Grades	
														light amber	med amber	dark amber			
Dollars Per Container													Dollars Per Pound ^{2/}					Dollars	
Connecticut																			
1999	36.40	20.60	12.00	7.00	4.70	2.25	3/	30.20	16.90	9.10	5.30	3.45	1.55	4/	1.81	1.48	1.27	1.40	42.80
2000	36.70	20.10	11.70	7.30	4.60	2.50	3/	4/	18.00	9.10	5.60	3.50	1.70	4/	4/	4/	4/	1.10	43.90
2001	35.40	20.30	11.70	6.90	4.40	2.60	4/	28.70	17.50	10.30	5.40	4/	4/	N/A	N/A	4/	4/	1.20	45.70
Maine																			
1999	29.00	15.70	9.50	5.50	3.70	2.15	3/	26.80	14.50	8.00	4.70	3.65	1.55	1.50	1.46	1.40	1.32	1.45	19.40
2000	31.60	17.90	10.00	6.20	4.50	2.30	3/	24.50	13.20	7.50	4.60	3.50	4/	1.16	1.06	0.99	0.79	1.00	14.20
2001	32.10	18.30	10.20	5.90	4.00	2.10	4/	26.70	14.20	8.00	4.60	2.80	4/	1.57	1.49	1.43	1.04	1.45	18.70
Massachusetts																			
1999	34.20	20.00	11.40	6.50	4.15	2.40	3/	26.90	15.40	8.50	4.65	3.00	1.40	1.97	1.53	1.43	1.19	1.50	38.80
2000	33.90	19.20	11.20	6.70	4.10	2.10	3/	28.60	15.70	9.00	5.10	3.00	1.50	1.62	1.50	1.32	1.16	1.30	37.80
2001	33.10	19.90	11.60	6.80	4.30	4/	4/	30.30	4/	9.40	5.40	3.50	1.60	1.88	1.72	4/	1.36	1.40	40.60
New Hampshire																			
1999	33.50	19.00	11.20	6.50	4.00	2.25	3/	29.40	15.70	8.60	5.00	3.00	2.10	1.91	1.72	1.58	1.20	1.55	37.40
2000	33.90	18.80	11.30	6.60	3.90	2.60	3/	23.70	15.50	8.30	4.90	2.90	2.40	1.92	1.72	1.42	0.95	1.40	38.10
2001	34.50	19.80	11.30	6.80	3.90	2.40	7.10	28.70	15.80	9.00	5.20	3.10	4/	2.14	1.81	1.49	1.14	1.60	40.00
Vermont																			
1999	30.70	18.10	10.50	6.70	4.30	2.55	3/	25.40	15.40	8.60	5.15	3.25	2.95	1.95	1.84	1.70	1.48	1.80	29.00
2000	31.60	18.00	10.50	6.60	4.30	2.60	3/	26.40	15.30	8.60	5.10	3.40	4/	1.83	1.70	1.53	1.30	1.60	30.00
2001	32.40	19.00	11.40	7.00	4.70	2.90	6.10	28.80	16.20	9.20	5.20	3.30	4/	2.20	1.95	1.67	1.33	1.90	30.80
Michigan																			
1999	31.50	17.40	9.60	6.00	4.10	5/	5/	26.10	15.50	8.30	4.40	3.00	5/	5/	5/	5/	5/	1.50	28.20
2000	32.00	18.50	9.70	6.10	4.00	5/	5/	29.50	15.60	7.60	4.50	2.50	5/	5/	5/	5/	5/	1.80	35.10
2001	33.00	18.40	10.30	6.00	5.70	5/	5/	25.60	15.60	8.50	4.70	3.50	5/	5/	5/	5/	5/	1.80	31.40
New York																			
1999	29.70	16.60	9.35	5.95	3.65	5/	5/	25.50	14.80	7.90	4.70	2.05	5/	5/	5/	5/	5/	1.35	27.30
2000	28.10	16.50	9.80	6.35	3.95	5/	5/	24.30	14.20	7.65	4.55	2.75	5/	5/	5/	5/	5/	1.35	29.00
2001	29.90	17.30	10.10	6.30	4.20	5/	5/	25.80	15.60	8.65	5.05	3.00	5/	5/	5/	5/	5/	1.40	29.50
Ohio																			
1999	29.00	16.60	10.10	6.30	4.10	5/	5/	26.20	14.30	8.20	5.10	3.65	5/	5/	5/	5/	5/	1.80	30.00
2000	28.80	16.60	9.90	6.10	4.40	5/	5/	27.20	15.00	8.50	5.40	3.70	5/	5/	5/	5/	5/	1.45	34.30
2001	29.30	17.00	9.70	6.00	4.60	5/	5/	24.70	14.70	8.40	4.80	3.80	5/	5/	5/	5/	5/	1.55	31.30
Pennsylvania																			
1999	27.50	16.10	9.25	5.76	3.60	5/	5/	26.70	14.40	8.28	5.06	3.15	5/	5/	5/	5/	5/	1.40	26.00
2000	29.00	17.00	9.90	5.80	3.60	5/	5/	27.10	14.90	8.20	4.70	2.90	5/	5/	5/	5/	5/	1.30	28.40
2001	28.30	16.70	9.60	5.70	3.50	5/	5/	26.70	14.50	8.20	4.90	3.00	5/	5/	5/	5/	5/	1.40	25.30
Wisconsin																			
1999	27.20	15.10	8.00	4.80	3.20	5/	5/	27.10	14.90	7.90	4.60	2.80	5/	5/	5/	5/	5/	1.50	23.70
2000	27.60	15.20	8.10	4.10	2.40	5/	5/	25.30	14.50	8.40	4.30	2.70	5/	5/	5/	5/	5/	1.40	27.70
2001	27.80	15.30	8.30	5.10	3.30	5/	5/	27.60	15.30	8.10	4.60	3.00	5/	5/	5/	5/	5/	1.50	29.20

^{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 available for the first time in 2001.

^{4/} Data not published to avoid disclosing individual operations.

^{5/} Only available in New England states.

SOURCE: **Crop Production**, 8:30 a.m., June 12, 2002, National Agricultural Statistics Service, USDA.

