

MAPLE SYRUP

New England (excluding Rhode Island): In 1999, Vermont remained the largest producing state in New England and the Nation, with 54 percent of the region's production and 31 percent of all United States maple syrup. Together, the five New England states produced 57 percent of the national total.

Maple syrup production in New England for 1999 totaled 683,000 gallons, up 5 percent from the previous year. Despite poor weather conditions in 1999, production increased in three of the five New England states, largely due to an increase in total taps. The percentage increase from 1998's production varied from 44 percent in Connecticut to 15 and 3 percent in Maine and Vermont. New Hampshire's production decreased 9 percent and Massachusetts showed a 6 percent decrease in production. New England's 1999 sugaring season lasted approximately 29 days, 2 days shorter than 1998. The season started about three days later than the previous year. The average opening dates were February 12 in Connecticut, February 24 in Massachusetts, March 2 in New Hampshire, March 5 in Maine, and March 9 in Vermont. Temperatures were reported to be 38 percent too warm, 37 percent favorable, and 25 percent too cold. The sugar content of this year's sap ran about average, requiring 41 gallons of sap to produce 1 gallon of syrup. Syrup color in 1999 was lighter than normal, with only 13 percent of production reported to be dark amber in color. The average closing dates were March 22 in Connecticut, March 29 in Massachusetts, April 2 in New Hampshire, April 3 in Maine, and April 5 in Vermont.

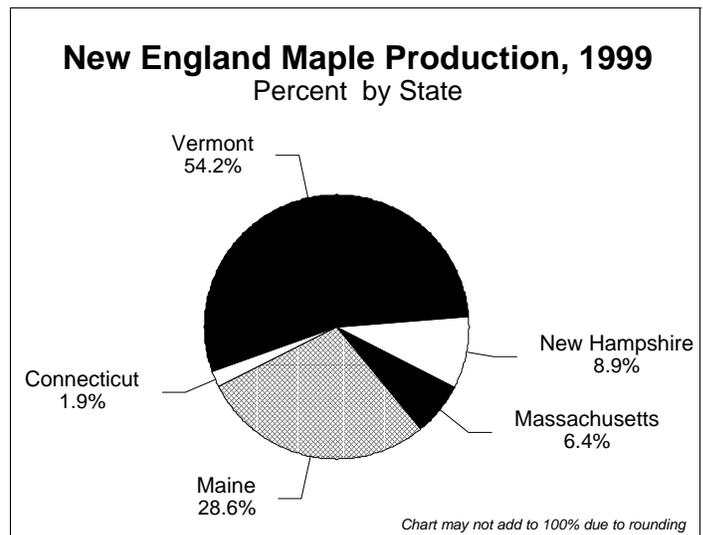
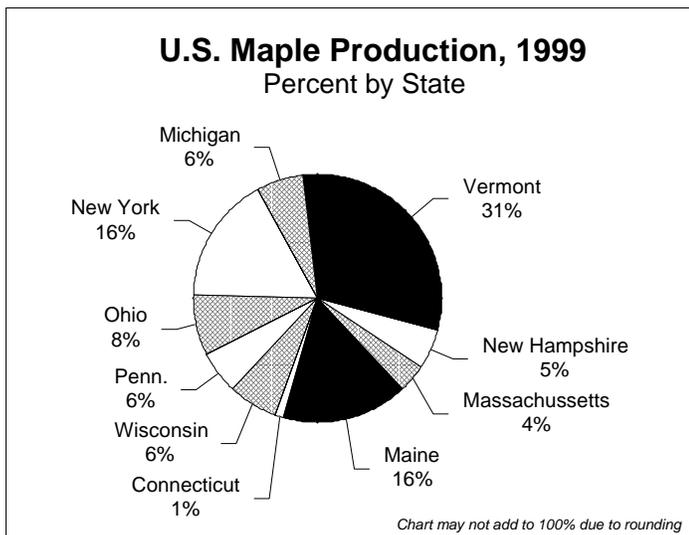
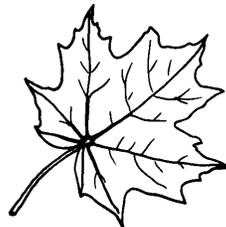
The 1999 New England maple syrup crop was valued at \$19.1 million. This was a four percent increase from the 1998 total value of \$18.4 million for the five New England states surveyed. The average gallon equivalent price for New England syrup across the retail, wholesale, and bulk markets was \$27.90 which was down 34 cents from 1998's final price of \$28.24.

Average gallon equivalent prices for 1999 maple syrup across retail, wholesale, and bulk sales varied across the region. Connecticut's all sales equivalent increased \$1.70 to \$42.80 in

1999. Massachusetts' all sales equivalent increased \$2.60 to \$38.80. New Hampshire's all sales equivalent increased \$1.20 to \$37.40. Maine's all sales equivalent decreased \$1.20 to \$19.40. Vermont's all sales equivalent remained unchanged at \$29.00. As expected, Maine and Vermont had low gallon equivalent prices due to the large percentage of bulk sales. The 1999 gallon equivalent price of \$27.90 across all New England states reflects a 1 percent decrease from the 1998 price of \$28.24.

United States: The 1999 United States maple syrup production totaled 1.19 million gallons, up 3 percent from the previous year. The value of production was \$32.8 million, an increase of two percent. The United States statistics consists of the ten major producing States (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, Ohio, Pennsylvania, Vermont and Wisconsin).

Maple syrup production increased in all States except Massachusetts, New Hampshire, New York and Pennsylvania. Temperatures ranged from too warm to too cold for good sap flow in Massachusetts, New Hampshire and Vermont, but were favorable in Connecticut and Maine. New York also experienced less than ideal temperatures, ranging from too warm in February to too cold in March. Syrup quality in New York was reported good and grade was above average. Temperatures in Michigan and Wisconsin were too warm in March, reducing adequate flow. Temperatures in Ohio and Pennsylvania were mostly favorable. Yield per tap varied among states, with five states averaging above a year ago and the remaining states averaging below last year. The 1999 tapping season started 3 days later than last year but lasted only 1 day less than a year ago. Syrup color was primarily medium to light amber in all states. The sap's sugar content was about average for most states. Vermont led the nation in production with 370,000 gallons of syrup an increase of three percent from the previous season. New York's production declined 16 percent to 195,000 gallons. Maine tied New York with 195,000 gallons, 15 percent more than 1998.



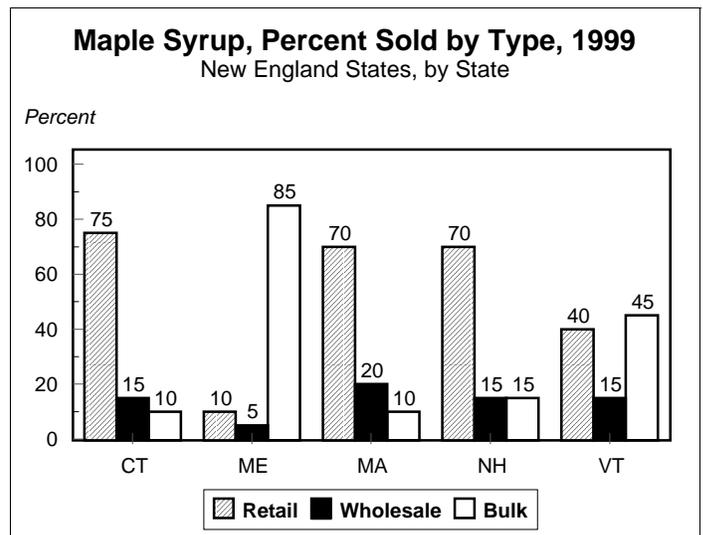
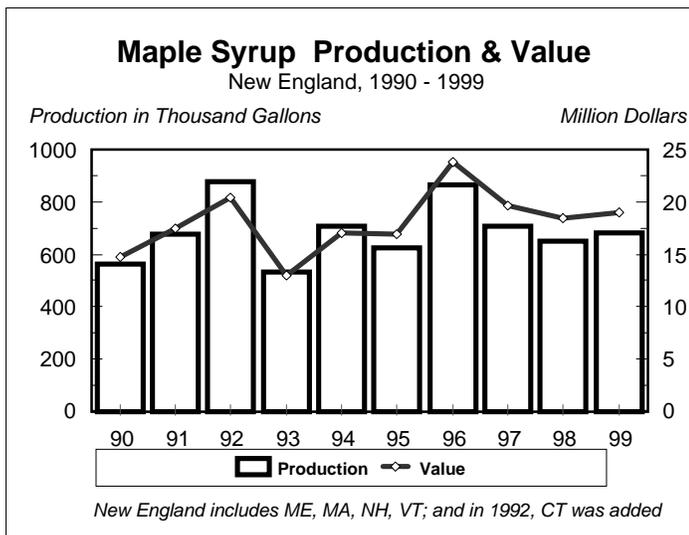
MAPLE SYRUP: Production, Price and Value, 1990 - 1999

STATE & YEAR	Production	Average Gallon Equivalent Price from All Sales ^{1/}	Value of Production
	1,000 Gallons	Dollars	1,000 Dollars
Connecticut			
1990	--	--	--
1991	--	--	--
1992	12	42.00	504
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
Maine			
1990	98	17.80	1,744
1991	112	16.70	1,870
1992	153	15.90	2,433
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
Massachusetts			
1990	29	31.80	922
1991	44	33.70	1,492
1992	50	34.80	1,740
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

STATE & YEAR	Production	Average Gallon Equivalent Price from All Sales ^{1/}	Value of Production
	1,000 Gallons	Dollars	1,000 Dollars
New Hampshire			
1990	63	33.70	2,123
1991	81	32.80	2,657
1992	94	32.90	3,093
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
Vermont			
1990	375	26.50	9,938
1991	440	26.00	11,440
1992	570	22.30	12,711
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
New England ^{2/}			
1990	565	26.07	14,727
1991	677	25.79	17,459
1992	879	23.30	20,481
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

^{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.

^{2/} New England includes ME, MA, NH, VT in 1992 and earlier years. New England includes CT, ME, MA, NH, VT starting in 1992.



MAPLE SYRUP: Prices by Type of Sales and Size of Container, 1990 - 1999

STATE & YEAR	Retail					Wholesale					Bulk				All Sales gallon equiv price ^{1/}
	Gal	½ Gal	Quart	Pint	½ Pint	Gal	½ Gal	Quart	Pint	½ Pint	Grade A			Grade B & C	
											light amber	med amber	dark amber		
Dollars Per Container											Dollars Per Pound ^{2/}				Dollars
Connecticut^{3/}															
1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1992	33.20	19.60	10.20	6.30	4.00	*	15.70	9.20	5.10	3.05	--	--	--	--	42.00
1993	33.80	19.50	10.90	6.55	4.25	*	16.20	8.40	5.00	3.20	--	--	--	--	43.20
1994	33.90	19.60	10.80	6.55	4.10	*	17.20	9.40	5.50	3.20	--	--	--	--	42.80
1995	35.00	19.60	11.10	6.00	4.20	*	14.80	8.10	4.85	3.60	--	--	--	--	40.20
1996	35.40	20.50	11.00	6.95	4.25	*	17.40	8.85	6.50	3.20	--	--	--	--	42.70
1997	34.40	19.90	11.80	6.90	4.20	34.30	17.40	8.90	5.10	3.15	1.60	1.50	1.72	1.25	41.70
1998	34.30	19.60	11.40	7.10	4.65	33.90	18.20	10.10	5.60	3.65	1.60	1.83	1.60	1.38	41.10
1999	36.40	20.60	12.00	7.00	4.70	30.20	16.90	9.10	5.30	3.45	--	1.81	1.50	1.32	42.80
Maine															
1990	35.40	19.10	10.60	6.25	3.80	27.90	15.40	8.90	4.90	2.80	--	--	--	--	17.80
1991	34.00	18.70	10.20	6.00	3.70	26.70	15.30	8.35	4.65	2.85	--	--	--	0.85	16.70
1992	31.60	17.90	9.75	5.50	3.55	19.40	14.00	7.85	4.20	2.60	1.30	1.20	1.10	0.95	15.90
1993	31.30	17.00	9.40	5.50	3.15	22.60	13.30	7.10	4.20	2.50	--	1.30	1.10	0.95	14.30
1994	32.40	17.60	9.75	5.80	3.80	25.40	16.20	7.05	4.25	2.55	1.25	1.20	1.10	0.90	14.30
1995	30.20	16.90	9.45	5.45	3.60	25.80	13.60	7.05	4.30	2.70	1.55	1.50	1.40	1.25	18.30
1996	32.30	17.50	9.35	5.55	3.70	25.40	13.60	7.50	4.50	2.80	1.60	1.50	1.40	1.55	21.90
1997	31.80	16.70	9.25	5.35	3.85	27.80	14.50	8.30	5.00	3.15	1.50	1.40	1.30	1.30	19.80
1998	33.30	17.70	10.00	5.85	4.15	26.10	15.90	8.55	4.90	3.60	1.59	1.54	1.49	1.41	20.60
1999	29.00	15.70	9.50	5.50	3.70	26.80	14.50	8.00	4.70	3.65	1.40	1.45	1.41	1.34	19.40
Massachusetts															
1990	33.90	18.60	10.10	6.50	4.20	26.70	15.60	8.70	4.90	3.10	2.35	2.10	1.60	1.20	31.80
1991	33.60	18.60	10.10	6.50	4.10	27.00	15.20	8.85	5.05	2.90	1.75	1.55	1.35	1.15	33.90
1992	32.40	18.70	10.80	6.40	3.75	21.90	17.60	8.50	5.10	2.90	1.20	1.15	1.05	1.00	34.80
1993	31.40	17.60	10.10	6.25	4.15	24.90	14.80	8.10	4.85	2.80	1.55	1.35	1.20	1.00	33.70
1994	32.50	18.30	10.70	6.35	3.95	25.60	15.10	8.40	4.60	2.80	1.55	1.30	1.40	0.95	36.40
1995	30.10	17.80	10.50	6.40	4.15	23.50	14.70	8.15	4.75	2.75	1.85	1.60	1.30	1.20	38.10
1996	32.40	18.30	10.60	6.65	4.05	25.70	16.00	8.60	5.05	3.25	1.67	1.63	1.32	1.34	38.90
1997	31.60	18.50	10.70	6.55	4.35	25.20	16.20	8.80	5.30	3.20	1.61	1.68	1.50	1.23	37.20
1998	31.90	18.60	11.20	6.30	5.05	26.40	15.40	8.30	5.05	3.05	2.25	1.83	2.20	1.24	36.20
1999	34.20	20.00	11.40	6.50	4.15	26.90	15.40	8.50	4.65	3.00	1.97	1.54	1.45	1.18	38.80
New Hampshire															
1990	33.30	18.70	10.10	6.30	3.75	28.50	16.00	8.95	5.25	2.75	1.85	1.70	1.20	0.90	33.70
1991	32.20	18.00	10.30	6.15	3.70	28.70	15.40	8.75	5.05	2.90	1.60	1.50	1.30	1.00	32.80
1992	31.40	18.00	10.80	6.30	3.70	21.70	12.30	6.85	4.10	2.90	1.25	1.15	1.10	1.00	32.90
1993	31.00	17.20	10.40	6.10	3.60	23.00	14.10	8.20	4.60	2.75	1.65	1.50	1.25	1.00	35.50
1994	30.10	17.60	10.40	6.40	3.70	23.30	13.30	7.60	4.45	2.60	1.45	1.30	1.25	1.00	34.80
1995	31.20	17.80	10.40	6.25	3.70	25.50	14.70	7.75	4.55	2.75	2.00	1.40	1.50	1.05	37.70
1996	32.10	17.80	10.50	6.20	3.80	24.90	14.80	8.40	4.90	3.10	1.84	1.62	1.34	1.18	37.20
1997	33.10	19.10	10.90	6.45	3.70	25.60	15.50	8.55	5.40	2.90	1.72	1.57	1.40	1.28	40.20
1998	30.90	17.70	10.80	6.50	3.85	27.60	15.60	8.20	4.95	3.10	1.95	1.81	1.46	1.38	36.20
1999	33.50	19.00	11.20	6.50	4.00	29.40	15.70	8.60	5.00	3.00	1.91	1.75	1.55	1.20	37.40
Vermont															
1990	30.90	17.60	10.10	6.10	3.75	28.40	15.70	8.75	5.15	3.10	1.95	1.65	1.25	0.85	26.50
1991	29.80	17.10	9.75	5.95	3.75	24.80	14.40	8.30	4.70	2.90	1.70	1.55	1.20	1.05	26.00
1992	26.70	16.00	9.50	6.00	3.70	21.80	13.40	7.15	4.65	2.75	1.20	1.15	1.10	1.05	22.30
1993	26.60	16.00	9.50	5.90	3.85	20.40	13.80	7.85	4.55	2.90	1.55	1.40	1.25	1.05	24.00
1994	26.90	15.50	9.40	5.90	3.75	21.90	13.00	7.50	4.50	2.85	1.40	1.30	1.15	1.10	23.90
1995	28.80	16.90	10.40	6.45	4.20	24.00	13.60	7.95	4.65	3.10	1.80	1.50	1.40	1.30	27.80
1996	28.30	16.50	10.10	6.15	4.20	24.30	13.90	8.10	4.80	3.05	1.79	1.56	1.39	1.25	26.50
1997	28.30	17.00	10.00	6.25	4.05	24.70	14.50	8.20	4.55	3.10	1.76	1.62	1.48	1.39	27.60
1998	29.80	17.60	10.30	6.35	4.45	26.80	15.50	8.60	5.00	3.05	1.91	1.80	1.67	1.55	29.00
1999	30.70	18.10	10.50	6.70	4.30	25.40	15.40	8.60	5.15	3.25	1.95	1.83	1.69	1.50	29.00

^{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.

^{2/} For dollars per gallon: multiply dollars per pound by 11.03 pounds of maple syrup per gallon.

^{3/} Connecticut prices unavailable prior to 1992.

* Data not published to avoid disclosing individual operations.