

## MAPLE SYRUP

### 2011 Production, New England (excluding Rhode Island):

New England's maple syrup production in 2011 totaled 1.70 million gallons, up 28 percent from 2010's revised total of 1.33 million gallons. Vermont remained the top maple State in New England and the Nation, producing 41 percent of the Nation's maple syrup. Taps in New England totaled 5.51 million, up 3 percent from last year's revised total and accounted for 57 percent of the Nation's maple taps.

Temperatures were mostly favorable throughout the 2011 maple season. Production rose in all five New England States, particularly in southern States. Temperatures were reported as 2 percent "too warm" in 2011, compared to 81 percent "too warm" in 2010.

Excessive snow depth proved to be an obstacle to many sugar producers at the start of the season but helped extend the length of the season across New England. Some sugar makers in Maine reported collecting sap as late as the first week of May. In addition, temperatures were warm enough during the day and below freezing during nighttime, resulting in consistent and steady sap flows. Connecticut and Massachusetts producers, those hit hardest by the unseasonably warm spring of 2010, reported significant improvements in yields compared to the previous year. Producers relying on gravity taps welcomed the cooler temperatures, and also reported significant increases in production. Many of these sugar makers claimed 2011 as a record year in production.

Earliest dates for sap collection for each State were as follows: Massachusetts - January 31, Vermont - February 1, Connecticut - February 2, Maine - February 12, and New Hampshire - February 14. Average start dates ranged from February 24 to March 10. Latest closing dates for sap collection for each State were as follows: Massachusetts - April 27, Vermont - April 30, Connecticut - April 21, New Hampshire - April 30, and Maine - May 6. Average finish dates ranged from March 29 to April 14. The sugar content of the sap was below average in New England with the exception of Maine, requiring approximately 42 to 44 gallons of sap to produce 1 gallon of syrup. In contrast, only 34 gallons of sap were required to produce 1 gallon of syrup in Maine. Over 80 percent of the syrup produced was in the light and medium amber categories. However, New Hampshire and southern New England States produced more dark amber than light.

**2011 Production, United States:** United States maple syrup production in 2011 totaled 2.79 million gallons, up 43 percent from the revised 2010 total. The number of taps is estimated at 9.58 million, 3 percent above the 2010 revised total of 9.26 million. Yield per tap is estimated at 0.292 gallons, up 38 percent from the previous season's revised yield.

All States showed an increase in production from the previous year. Vermont led all States in production with 1.14 million gallons, an increase of 28 percent from 2010 and the



*Photo Courtesy of Miller Farm, New Durham, NH*

highest level since 1945. Production in New York, at 564,000 gallons, secured New York's place as second in the Nation. Maine's sugar makers produced 360,000 gallons of syrup in 2011, an increase of 14 percent from 2010. In New Hampshire, production is estimated at 120,000 gallons, the highest in over 85 years.

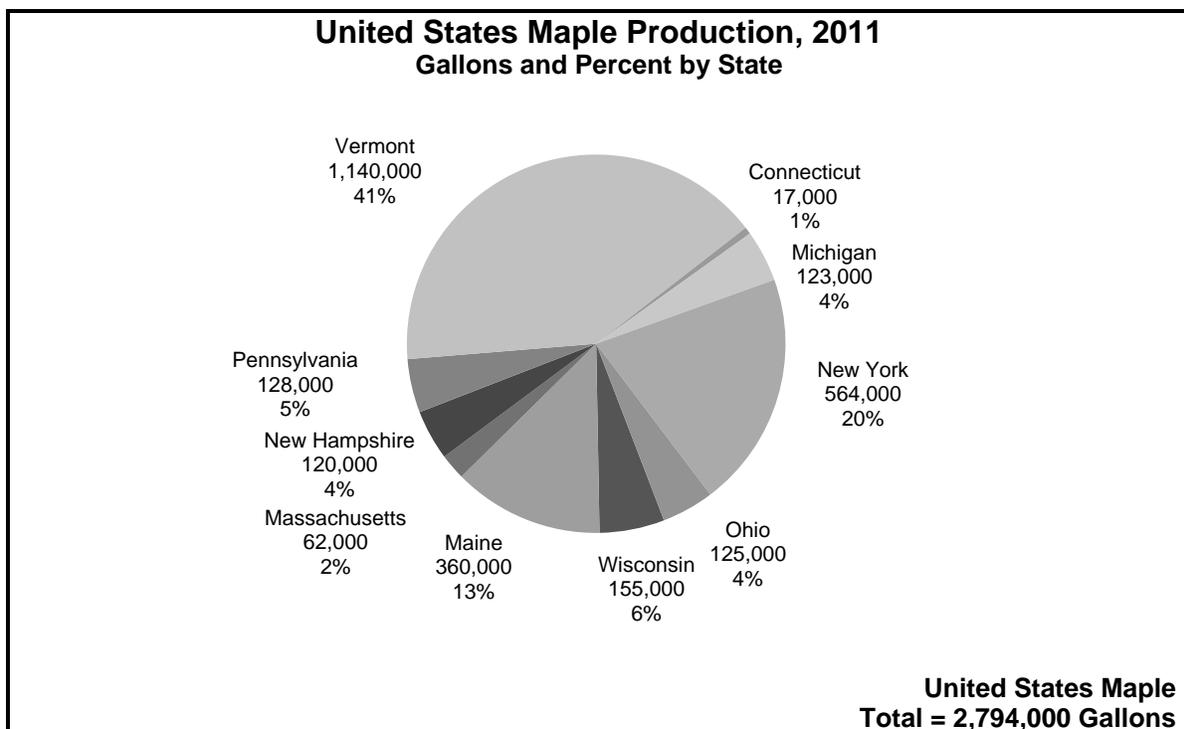
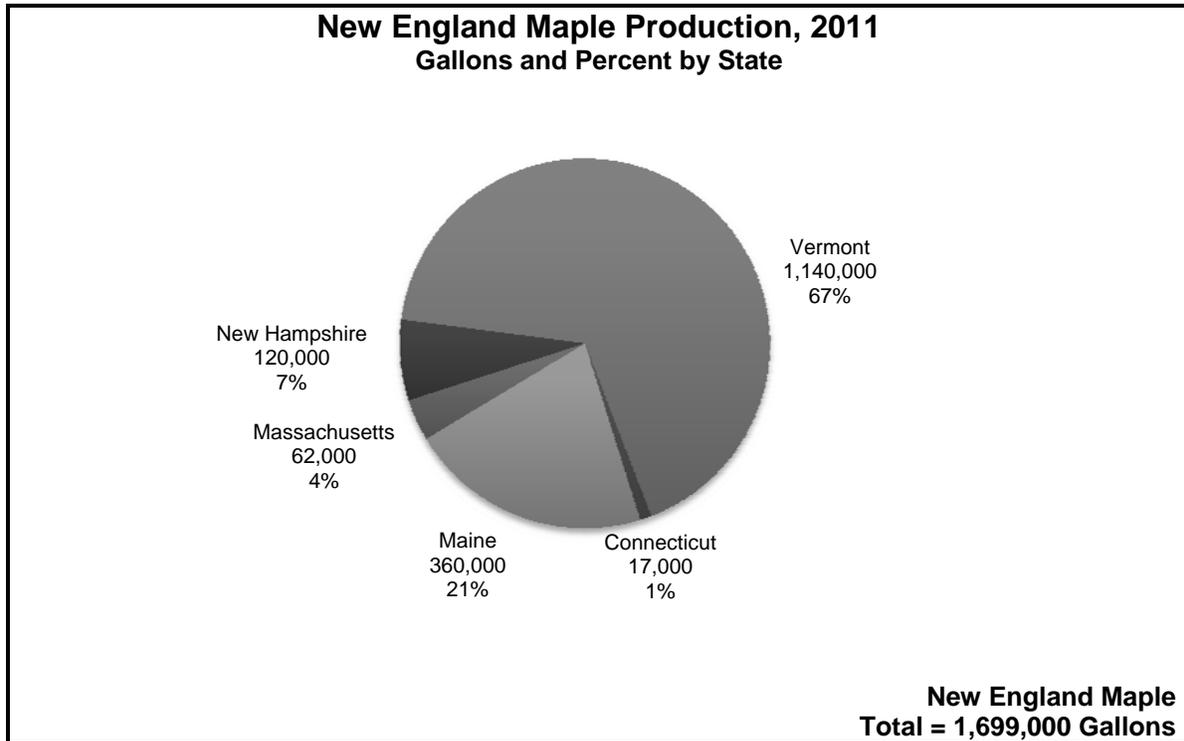
Connecticut and Massachusetts produced a combined total of 79,000 gallons, a significant increase of 108 percent from 2010. Pennsylvania production was a record high with an increase of 137 percent. Ohio producers reported excellent sap collecting conditions which produced the highest yield per tap that the State has seen since this statistic was first measured in 2001.

Temperatures were reported as favorable for optimal sap flow in all States. On average, the season lasted 32 days compared with 23 days in 2010. In most States, the season started later than 2010. The earliest sap flow reported was January 10 in New York. The latest sap flow reported was May 7 in Wisconsin. Sugar content of the sap for 2011 was up from the previous year. On average, approximately 43 gallons of sap were required to produce 1 gallon of syrup. This compares with 46 gallons in 2010 and 43 gallons in 2009. The majority of the syrup produced in each State this year was medium to dark in color with the exception of Maine and Vermont, where syrup was mostly light to medium amber.

**2010 Prices and Sales, New England:** Across New England, the average equivalent price per gallon for 2010 maple syrup varied widely depending on the percentage sold retail, wholesale, or bulk. The 2010 all sales equivalent price per gallon in Connecticut averaged \$70.00, up \$6.00; Maine averaged \$33.50, up \$0.60; Massachusetts averaged \$56.50,

up \$2.90; New Hampshire averaged \$55.40, up \$1.90; and Vermont averaged \$34.00, down \$1.10. Vermont and Maine's prices continue to be lower than the other States because of the high percentage of bulk sales. New England's 2010 gallon equivalent price across all types of sales averaged \$36.02, a decrease of \$0.50 from the 2009 price of \$36.52.

**2010 Prices and Sales, United States:** The 2010 United States price per gallon averaged \$37.50, down \$0.40 from the revised 2009 price of \$37.90. The United States value of production, at \$73.6 million for 2010, was down 19 percent from the revised previous season. Value of production was down in all States.



MAPLE SYRUP: Production, Price, and Value, 2002 – 2011

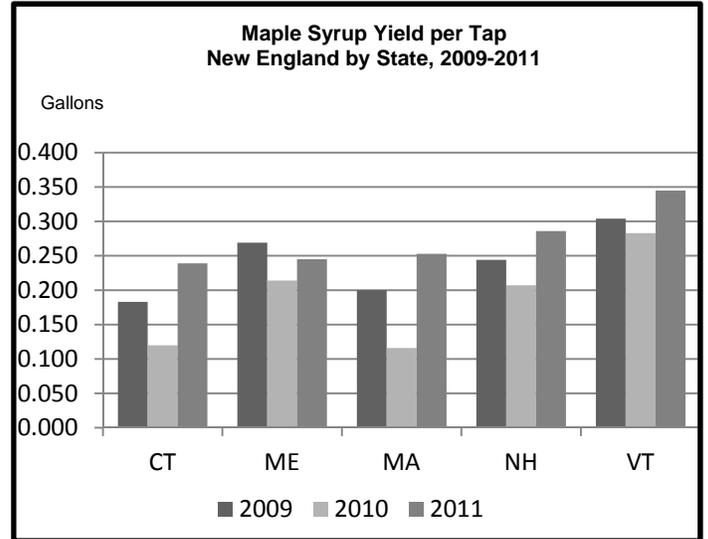
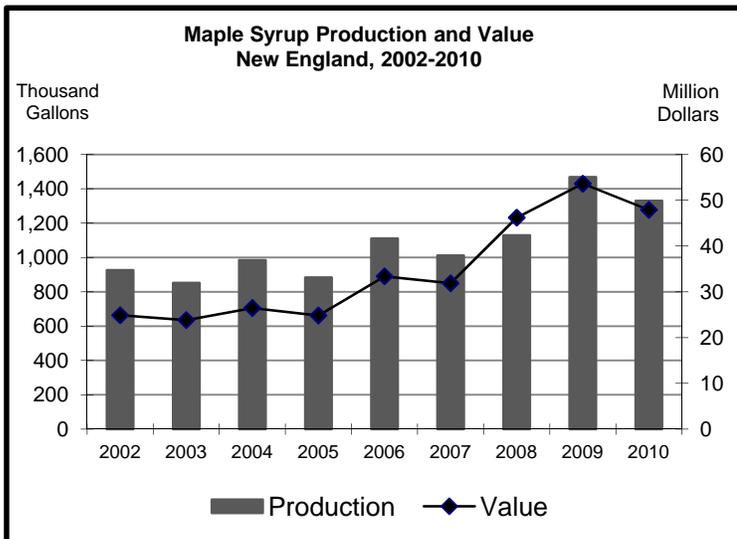
| State and Year       | Number of Taps | Yield per Tap | Production    | Average Gallon Equivalent Price of All Sales <sup>1</sup> | Value of Production | State and Year                 | Number of Taps | Yield per Tap | Production    | Average Gallon Equivalent Price of All Sales <sup>1</sup> | Value of Production |
|----------------------|----------------|---------------|---------------|---|---------------------|--------------------------------|----------------|---------------|---------------|---|---------------------|
|                      | 1,000 Taps     | Gallons       | 1,000 Gallons | Dollars   | 1,000 Dollars       |                                | 1,000 Taps     | Gallons       | 1,000 Gallons | Dollars   | 1,000 Dollars       |
| <b>Connecticut</b>   |                |               |               |   |                     | <b>New Hampshire</b>           |                |               |               |   |                     |
| 2002                 | 62             | 0.161         | 10            | 47.20   | 472                 | 2002                           | 380            | 0.218         | 83            | 41.10   | 3,411               |
| 2003                 | 62             | 0.161         | 10            | 48.60   | 486                 | 2003                           | 350            | 0.171         | 60            | 43.00   | 2,580               |
| 2004                 | 65             | 0.169         | 11            | 51.73   | 569                 | 2004                           | 360            | 0.231         | 83            | 35.40   | 2,938               |
| 2005                 | 68             | 0.162         | 11            | 50.00   | 550                 | 2005                           | 365            | 0.156         | 57            | 41.30   | 2,354               |
| 2006                 | 72             | 0.153         | 11            | 58.20   | 640                 | 2006                           | 375            | 0.171         | 64            | 43.90   | 2,810               |
| 2007                 | 73             | 0.151         | 11            | 53.90   | 593                 | 2007                           | 400            | 0.175         | 70            | 46.80   | 3,276               |
| 2008                 | 75             | 0.253         | 19            | 62.30   | 1,184               | 2008                           | 395            | 0.241         | 95            | 53.80   | 5,111               |
| 2009                 | 71             | 0.183         | 13            | *64.00  | *832                | 2009                           | 385            | 0.244         | 94            | *53.50  | *5,029              |
| 2010                 | 75             | 0.120         | 9             | 70.00   | 630                 | 2010                           | 420            | 0.207         | 87            | 55.40   | 4,820               |
| 2011 <sup>3</sup>    | 71             | 0.239         | 17            |   |                     | 2011 <sup>3</sup>              | 420            | 0.286         | 120           |   |                     |
| <b>Maine</b>         |                |               |               |   |                     | <b>Vermont</b>                 |                |               |               |   |                     |
| 2002                 | 1,280          | 0.215         | 275           | 19.40   | 5,335               | 2002                           | 2,180          | 0.234         | 510           | 27.00   | 13,770              |
| 2003                 | 1,295          | 0.220         | 285           | 22.50   | 6,413               | 2003                           | 2,120          | 0.217         | 460           | 27.80   | 12,788              |
| 2004                 | 1,290          | 0.225         | 290           | 19.40   | 5,626               | 2004                           | 2,300          | 0.239         | 550           | 27.30   | 15,015              |
| 2005                 | 1,390          | 0.191         | 265           | 21.50   | 5,698               | 2005                           | 2,540          | 0.201         | 510           | 27.80   | 14,178              |
| 2006                 | 1,490          | 0.232         | 345           | 24.30   | 8,384               | 2006                           | 2,770          | 0.235         | 650           | 30.20   | 19,630              |
| 2007                 | 1,485          | 0.168         | 250           | 30.10   | 7,525               | 2007                           | 2,770          | 0.231         | 640           | 29.10   | 18,624              |
| 2008                 | 1,440          | 0.167         | 240           | 36.80   | 8,832               | 2008                           | 2,870          | 0.247         | 710           | 39.50   | 28,045              |
| 2009                 | 1,470          | 0.269         | 395           | 32.90   | 12,996              | 2009                           | 3,030          | 0.304         | 920           | 35.10   | 32,292              |
| 2010                 | *1,470         | *0.214        | *315          | 33.50   | 10,553              | 2010                           | *3,150         | *0.283        | 890           | 34.00   | 30,260              |
| 2011 <sup>3</sup>    | 1,470          | 0.245         | 360           |   |                     | 2011 <sup>3</sup>              | 3,300          | 0.345         | 1,140         |   |                     |
| <b>Massachusetts</b> |                |               |               |   |                     | <b>New England<sup>2</sup></b> |                |               |               |   |                     |
| 2002                 | 230            | 0.209         | 48            | 39.50   | 1,896               | 2002                           | 4,132          | 0.224         | 926           | 26.87   | 24,884              |
| 2003                 | 220            | 0.168         | 37            | 41.89   | 1,550               | 2003                           | 4,047          | 0.211         | 852           | 27.95   | 23,817              |
| 2004                 | 235            | 0.213         | 50            | 46.30   | 2,315               | 2004                           | 4,250          | 0.232         | 984           | 26.89   | 26,463              |
| 2005                 | 240            | 0.167         | 40            | 51.20   | 2,048               | 2005                           | 4,603          | 0.192         | 883           | 28.12   | 24,828              |
| 2006                 | 255            | 0.157         | 40            | 47.90   | 1,916               | 2006                           | 4,962          | 0.224         | 1,110         | 30.07   | 33,380              |
| 2007                 | 250            | 0.160         | 40            | 46.10   | 1,844               | 2007                           | 4,978          | 0.203         | 1,011         | 31.52   | 31,862              |
| 2008                 | 250            | 0.260         | 65            | 46.50   | 3,023               | 2008                           | 5,030          | 0.224         | 1,129         | 40.92   | 46,195              |
| 2009                 | 230            | 0.200         | 46            | 53.60   | 2,466               | 2009                           | 5,186          | 0.283         | 1,468         | *36.52  | *53,615             |
| 2010                 | 250            | 0.116         | 29            | 56.50   | 1,639               | 2010                           | *5,365         | *0.248        | *1,330        | 36.02   | 47,902              |
| 2011 <sup>3</sup>    | 245            | 0.253         | 62            |   |                     | 2011 <sup>3</sup>              | 5,506          | 0.309         | 1,699         |   |                     |

\* Revised.

<sup>1</sup> Average gallon equivalent price is a weighted average of retail, wholesale, and bulk sales. This price is lower for states, such as Maine and Vermont, with more wholesale and bulk sales. The average gallon equivalent price is not the average retail price paid for a gallon of syrup.

<sup>2</sup> New England includes Connecticut, Maine, Massachusetts, New Hampshire, and Vermont.

<sup>3</sup> Price and value for 2011 available June, 2012.



## MAPLE SYRUP: Retail and Wholesale Prices and Size of Containers, 2008 – 2010

| 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) | 12 oz. (355 ml) |
|                                 | Dollars |             |       |       |           |                  |                  |                 | Dollars   |             |       |       |           |                  |                  |                 |
| <b>Connecticut</b>              |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 54.10   | 27.60       | 16.80 | 11.00 | 7.00      | 3.50             | 8.65             | 10.90           | 46.80     | 27.70       | 14.60 | 8.90  | 5.75      | 2.40             | (D)              | (D)             |
| 2009                            | 57.00   | 31.70       | 18.30 | 11.50 | 7.55      | 4.85             | 10.00            | (D)             | 46.30     | 23.60       | 13.20 | 8.65  | 5.55      | (D)              | (D)              | (D)             |
| 2010                            | 62.00   | 31.70       | 19.60 | 11.80 | 7.70      | 4.50             | 9.20             | (D)             | 59.00     | 29.50       | 14.40 | 10.70 | 4.90      | 4.10             | (D)              | (D)             |
| <b>Maine</b>                    |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 45.20   | 25.20       | 14.20 | 8.30  | 5.50      | 2.95             | 8.85             | 12.30           | 38.40     | 21.80       | 11.90 | 6.90  | 4.30      | 3.50             | 7.00             | (D)             |
| 2009                            | 52.50   | 28.10       | 15.10 | 9.45  | 7.20      | 3.50             | 7.25             | 9.85            | 40.50     | 25.00       | 13.00 | 7.00  | 4.50      | (D)              | (D)              | (D)             |
| 2010                            | 50.10   | 28.40       | 15.40 | 9.55  | 5.90      | 4.45             | 9.40             | (D)             | 42.30     | 26.70       | 13.80 | 7.00  | 4.15      | (D)              | 6.90             | (D)             |
| <b>Massachusetts</b>            |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 48.00   | 23.20       | 14.00 | 8.75  | 6.05      | 4.05             | 8.45             | 9.65            | 42.20     | 24.20       | 13.00 | 7.40  | 4.95      | (D)              | (D)              | (D)             |
| 2009                            | 42.50   | 27.80       | 16.60 | 11.40 | 7.75      | 4.70             | 9.30             | 10.10           | 41.90     | 25.20       | 14.00 | 7.45  | 4.90      | 2.35             | (D)              | (D)             |
| 2010                            | 53.00   | 26.80       | 17.20 | 10.00 | 6.50      | 3.40             | (D)              | 9.50            | 44.00     | 24.70       | 14.30 | 8.00  | 5.10      | 2.30             | (D)              | 7.60            |
| <b>New Hampshire</b>            |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 44.30   | 25.30       | 14.60 | 8.65  | 5.10      | 3.45             | 7.20             | 8.25            | 38.60     | 22.90       | 13.40 | 7.70  | 4.15      | 2.05             | (D)              | (D)             |
| 2009                            | 49.30   | 28.00       | 16.40 | 9.85  | 6.35      | 3.50             | 9.25             | 8.80            | 40.60     | 21.60       | 11.40 | 6.65  | 3.95      | 2.85             | (D)              | (D)             |
| 2010                            | 49.00   | 28.10       | 17.10 | 9.80  | 6.50      | 3.80             | 9.10             | (D)             | 45.70     | 25.30       | 13.00 | 7.10  | 3.80      | 2.30             | 3.60             | (D)             |
| <b>Vermont</b>                  |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 40.60   | 24.10       | 15.00 | 9.65  | 6.35      | 4.20             | 7.35             | 11.30           | 38.10     | 21.70       | 12.60 | 7.45  | 5.10      | 2.95             | 6.00             | 6.10            |
| 2009                            | 43.90   | 25.50       | 15.50 | 9.20  | 6.00      | 3.85             | 8.60             | 12.60           | 38.50     | 23.20       | 13.40 | 7.80  | 4.80      | 2.25             | 6.45             | 6.15            |
| 2010                            | 43.30   | 25.50       | 15.70 | 9.70  | 6.20      | 3.80             | 7.50             | 12.00           | 37.00     | 23.10       | 12.80 | 7.60  | 4.60      | 3.50             | 6.20             | (D)             |
| <b>Michigan<sup>1</sup></b>     |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 36.30   | 20.90       | 12.00 | 7.40  | 5.00      |                  |                  |                 | 30.70     | 18.00       | 10.10 | 6.10  | 3.70      |                  |                  |                 |
| 2009                            | 42.70   | 21.80       | 12.70 | 7.80  | 5.60      |                  |                  |                 | 35.40     | 21.00       | 11.20 | 6.30  | 4.20      |                  |                  |                 |
| 2010                            | 42.00   | 22.60       | 12.90 | 7.80  | 5.10      |                  |                  |                 | 34.10     | 21.90       | 12.40 | 7.60  | 4.50      |                  |                  |                 |
| <b>New York<sup>1</sup></b>     |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 38.10   | 22.90       | 14.00 | 8.85  | 5.85      |                  |                  |                 | 35.90     | 20.80       | 11.60 | 6.50  | 4.00      |                  |                  |                 |
| 2009                            | 40.10   | 24.10       | 14.90 | 9.40  | 6.25      |                  |                  |                 | 38.30     | 22.30       | 12.30 | 7.00  | 4.25      |                  |                  |                 |
| 2010                            | 42.80   | 24.00       | 15.00 | 8.90  | 5.35      |                  |                  |                 | 40.70     | 22.20       | 12.20 | 7.30  | 4.20      |                  |                  |                 |
| <b>Ohio<sup>1</sup></b>         |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 33.60   | 20.20       | 12.40 | 7.80  | 5.35      |                  |                  |                 | 32.50     | 18.00       | 11.20 | 6.70  | 4.80      |                  |                  |                 |
| 2009                            | 37.70   | 22.10       | 13.40 | 8.35  | 5.55      |                  |                  |                 | 35.90     | 21.20       | 12.60 | 7.55  | 5.25      |                  |                  |                 |
| 2010                            | 40.50   | 23.00       | 13.90 | 8.50  | 5.95      |                  |                  |                 | 34.30     | 21.20       | 11.30 | 7.55  | 4.05      |                  |                  |                 |
| <b>Pennsylvania<sup>1</sup></b> |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 37.30   | 22.00       | 13.00 | 7.15  | 4.40      |                  |                  |                 | 34.60     | 17.80       | 10.20 | 5.95  | 4.40      |                  |                  |                 |
| 2009                            | 38.00   | 21.70       | 12.70 | 7.90  | 4.90      |                  |                  |                 | 32.20     | 17.90       | 10.20 | 6.20  | 4.10      |                  |                  |                 |
| 2010                            | 39.70   | 22.70       | 13.70 | 8.25  | 5.45      |                  |                  |                 | 40.30     | 19.20       | 11.60 | 6.55  | 4.05      |                  |                  |                 |
| <b>Wisconsin<sup>1</sup></b>    |         |             |       |       |           |                  |                  |                 |           |             |       |       |           |                  |                  |                 |
| 2008                            | 37.70   | 21.50       | 10.70 | 7.40  | 5.20      |                  |                  |                 | 35.50     | 20.80       | 11.70 | 6.50  | 4.20      |                  |                  |                 |
| 2009                            | 37.30   | 21.10       | 11.30 | 7.30  | 4.70      |                  |                  |                 | 37.30     | 23.80       | 11.80 | 7.20  | 4.00      |                  |                  |                 |
| 2010                            | 38.10   | 21.50       | 11.80 | 7.50  | 5.70      |                  |                  |                 | 37.30     | 21.60       | 12.00 | 7.20  | 4.60      |                  |                  |                 |

(D) Data not published to avoid disclosing individual operations.

<sup>1</sup> Retail and wholesale price for 3.4 oz. (100 ml), 8.5 oz. (250 ml), and 12 oz. (355 ml) container sizes are only available in New England States.

## MAPLE SYRUP: Bulk Prices by Grade and All Sales Gallon Equivalent Prices, 2008 – 2010

| State and Year                   | Bulk        |            |            |                |            | All Sales Per<br>Gallon Equivalent<br>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>               |             |            |            |                |            |  |
| 2008                             | (D)         | (D)        | 3.05       | 2.95           | 2.90       | 62.30  |
| 2009                             | (D)         | (D)        | (D)        | (D)            | (D)        | *64.00   |
| 2010                             | (D)         | (D)        | (D)        | (D)            | (D)        | 70.00  |
| <b>Maine</b>                     |             |            |            |                |            |  |
| 2008                             | 3.35        | 3.30       | 3.30       | 3.30           | 3.30       | 36.80  |
| 2009                             | 2.85        | 2.85       | 2.85       | 2.65           | 2.85       | 32.90  |
| 2010                             | 3.00        | 3.00       | 2.90       | 2.70           | 3.00       | 33.50  |
| <b>Massachusetts</b>             |             |            |            |                |            |  |
| 2008                             | 3.40        | 3.05       | 3.00       | 2.75           | 3.15       | 46.50  |
| 2009                             | 2.85        | 2.80       | 2.70       | 2.50           | 2.65       | 53.60  |
| 2010                             | (D)         | (D)        | (D)        | (D)            | 2.55       | 56.50  |
| <b>New Hampshire</b>             |             |            |            |                |            |  |
| 2008                             | 3.20        | 3.20       | 3.10       | 3.10           | 3.20       | 53.80  |
| 2009                             | 2.80        | 2.95       | 2.80       | 2.50           | 2.75       | *53.50   |
| 2010                             | 2.90        | 2.90       | 2.75       | 2.40           | 2.65       | 55.40  |
| <b>Vermont</b>                   |             |            |            |                |            |  |
| 2008                             | 3.20        | 3.05       | 3.05       | 2.85           | 3.05       | 39.50  |
| 2009                             | 3.00        | 2.95       | 2.90       | 2.65           | 2.90       | 35.10  |
| 2010                             | 2.75        | 2.75       | 2.65       | 2.35           | 2.65       | 34.00  |
| <b>Michigan <sup>3</sup></b>     |             |            |            |                |            |  |
| 2008                             |             |            |            |                | 3.10       | 41.00  |
| 2009                             |             |            |            |                | 2.80       | 45.00  |
| 2010                             |             |            |            |                | 2.80       | 45.00  |
| <b>New York <sup>3</sup></b>     |             |            |            |                |            |  |
| 2008                             |             |            |            |                | 3.15       | 42.40  |
| 2009                             |             |            |            |                | 2.73       | 40.60  |
| 2010                             |             |            |            |                | 2.71       | 39.40  |
| <b>Ohio <sup>3</sup></b>         |             |            |            |                |            |  |
| 2008                             |             |            |            |                | 2.80       | 37.90  |
| 2009                             |             |            |            |                | 2.70       | 40.30  |
| 2010                             |             |            |            |                | 2.55       | 42.70  |
| <b>Pennsylvania <sup>3</sup></b> |             |            |            |                |            |  |
| 2008                             |             |            |            |                | 2.45       | 38.30  |
| 2009                             |             |            |            |                | 2.70       | 38.10  |
| 2010                             |             |            |            |                | 2.45       | 42.00  |
| <b>Wisconsin <sup>3</sup></b>    |             |            |            |                |            |  |
| 2008                             |             |            |            |                | 2.75       | 39.10  |
| 2009                             |             |            |            |                | 2.60       | 36.70  |
| 2010                             |             |            |            |                | 2.60       | 39.50  |

\* Revised.

(D) Data not published to avoid disclosing individual operations.

<sup>1</sup> Average gallon equivalent price is 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> Grades A, B, and C price per pound is only available in the New England States.