

Springfield 250th Maple Social TRIVIA ANSWERS

1) What type of tree is best for producing maple syrup?

- Red Maple (*Acer rubrum*)
- Mountain Maple (*Acer spicatum*)
- Norway Maple (*Acer platanoides*)
- Silver Maple (*Acer saccharinum*)
- Sugar Maple (*Acer saccharum*)**

2) How big must a tree be before it is tapped to collect sap?

- A diameter of 2 inches
- A diameter of 4 inches
- A diameter of 10 inches** The diameter is measured at chest height.
- A diameter of 20 inches
- A diameter of 30 inches

3) How old must a tree be before it is tapped to collect sap?

- 10 years
- 20 years
- 40 years**
- 60 years
- 80 years

4) The season for collecting sap is 4-6 weeks; its exact timing depends on the weather. When does the season occur?

- February to April**
- May to July
- August to October
- November to January

Sap production depends on the right weather conditions. The sap starts to flow in the spring when daytime temperatures are above freezing. When nighttime temperatures remain above freezing, the trees begin to bud and the season ends.

5) Each tap in a mature tree produces about 10 gallons of sap in a season.

- True**
- False

6) The same hole can be used each year to collect sap.

- True
- False**

The trees have a natural healing process that prevents the same hole from being used a second time. Tapping a tree does not harm it; many trees have been tapped for more than a century.

7) How much sap is used to produce 1 gallon of maple syrup?

- 20 gallons
- 40 gallons**
- 60 gallons
- 80 gallons
- 100 gallons

Sap is about 95 per cent water. It is boiled until it reaches a certain temperature, about 7 degrees above the boiling point of water. At this point, it is about 66% sugar and is classified as syrup.

8) Pure maple syrup has only one ingredient, sap.

- True**
- False

Pure maple syrup is just sap that has been condensed by evaporating the excess water. Most "maple-flavoured" syrups are based on corn syrup and contain little or no maple syrup.

9) Maple syrup has more calcium than milk (per unit volume) and more potassium than bananas (per unit weight).

- True**
- False

Unlike processed white sugar, maple syrup is a healthy sweetener. It contains calcium, potassium, manganese, magnesium, phosphorous, and iron, as well as several vitamins.

10) Burning an entire cord of wood generally yields 15-20 gallons of maple syrup.

- True**
- False