Sugar Maple Testing Form Instructions

When a tree is suspected of having sap with above average sugar content, test the sap content of the five nearest trees and record the results on this form. Make sure to mark the tree with higher sap content and the neighboring trees with plastic flagging or in some other way.

If possible, measure the selected tree and candidate tree several times during the sap season. The sap sugar content of the candidate tree must be at least 30% sweeter than the average of five surrounding trees (standards) and must exceed the sweetest standard tree by a minimum of 0.5 percent.

For example, consider the table below. On the 5th of March, the sap sugar concentration of a selected tree measured 3.8%. Five neighboring trees (standards) were measured, and their average sap sugar concentration was 2.4%. The selected tree's concentration was 1.4% higher, which represents a 58.3% gain (1.4 / 2.4 * 100 = 58.3%). The same tree was measured 5 days later with similar results. This tree is sweet enough to be reported to the Sugar Maple Tree Improvement Program.

Test date	Sugar Content (%)							
	Selected tree	Standards					Standard average	% Gain
		1	2	3	4	5		
5 Mar 2002	**3.8%**	2.3%	3.2%	1.9%	2.2%	2.4%	**2.4%**	**+1.4 (58.3%)**
10 Mar 2002	**3.6%**	2.2%	3.1%	2.1%	2.4%	2.7%	**2.5%**	**+1.1 (44.0%)**
								%
								%

Sugar Maple Testing Form Tree number: _____

Owner's name: _____
Last name First name

Owner's address: _____

_____

Owner's telephone number: _____ Owner's email: _____

Name of person testing trees (if different from owner):

_____
Last name First name

Tester's address: _____

_____

Tester's telephone number: _____ Tester's email: _____

Location of tree if different from owner's address: _____

_____

Test date	Sugar Content (%)								
	Selected tree	Standards					Standard average	% Gain
		1	2	3	4	5		
								%
								%
								%
								%

% Gain = (Selected Tree Sugar Content – Standard Average Sugar Content)
Standard Average Sugar Content

Mail the completed form to:
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Lake Placid, NY 12946
518-523-9337