

# PRELIMINARY TREE(S) SEED SOURCE INFORMATION FORM

For those intending to establish seed orchards for the future

## Recommended seed-tree Source Identity-Documentation(Check appropriate box)

- Single tree** - only one specimen tree, single or multi-stemmed;
- Tree Pair** - two individual trees, considered as a unit;
- Avenue of trees** - multiple trees, aligned on both sides of a roadway or driveway;
- Windrow** - single or multiple rows of trees, delineating property or land use;
- Grove** - small usually irregular pocket of 3 trees or more, up to 0.5 hectares;
- Arboreal Remnant** - larger pocket of trees, 0.5 to 5 hectares, but not a managed woodlot.
- Natural large stand- woodlot (managed or unmanaged)** -1to 5 hectares or more.

**Approximate age** –provide estimated tree stand origin year----- to estimate the association with climate period (Circle period estimate) **1990-1960; 1960-1930; 1930-1900; 1900-1870; 1870-1840;1840-1810; before 1810.**

- Site:** (circle)      **Soil texture** - sand, loam, or clay or be more specific if possible  
**Soil depth** - shallow < 1 foot, moderate > 1 foot & < 3 feet, deep >3 feet  
**Soil drainage** - well drained, imperfectly drained, or poorly drained.  
**Topography** - flat, rolling, hilly, steep, or irregular.  
**Site aspect** - north, south, east, west, or totally flat land parcel

**Description** – single tree in top row, or if multiple trees, list in order of greatest abundance:

	Species Name(s)		Circumference <sup>3</sup> (cm) at dbh		Height <sup>4</sup> (m)		Spread <sup>5</sup> (m)	
	Common <sup>1</sup>	Scientific <sup>2</sup>						
1								
Or if submitting multiple over storey tree species								
			Sm'st	Lar'st	Sho'st	Tallest	Nar'st	Wid'st
1								
2								
3								
4								
5								
6								

- <sup>1</sup> Name used locally for the species.
- <sup>2</sup> Latin name, genera, species, cultivar
- <sup>3</sup> Smallest and largest tree measurements. Single-stem tree measured around the trunk at 1.35m (4.5ft) above ground level, or at the narrowest point between ground and main branch union(s). Multiple-stem tree, requires an asterisk and use commas between individual measurements.
- <sup>4</sup> Shortest and tallest measurements, with clinometer, or use right angle triangle relationships.
- <sup>5</sup> Narrowest and widest trees. Longest straight line measurement of the tree's outer branch limits.

### Population Description:

The following general information on other **vegetation and the site** will help us to learn more about what conditions this species is suited to. It can help us make recommendations on where this species can be used so that we can restore whole plant communities not just a single species.

**exposed location**       **understorey location**

There is some evidence that there is genetic diversity in some species in their adaptation to exposed vs. shaded locations. This information will be useful for those dealing with very exposed conditions requiring seed sources from similar areas.

**understorey woody species** – list the main 2 or 3 species in the subcanopy

**ground vegetation species** – list the main 2 or 3 species of ground flora

Take 2 to 5 identified and dated photos of the tree(s), prints or slides. Include at least one close-up and one with the surrounding area in the background.

**Location:** next page and provide Map

# SEED SOURCE MAP

## Site location and Accessibility

Land ownership	(circle) appropriate tree site-type
<input type="checkbox"/> Public land	Road / highway / park / waterway / trail / ravine.
<input type="checkbox"/> Private land	residential / commercial / industrial / farm/woodlot
<input type="checkbox"/> Institutional land	Place of worship / hospital / school / military base.
<input type="checkbox"/> Other	specify:

## Present Tree Ownership (owner and contact information)

Owner Name \_\_\_\_\_

Owner Address \_\_\_\_\_

phone ( ) \_\_\_\_\_ - \_\_\_\_\_ e-mail \_\_\_\_\_

Specify exact location of tree(s), GPS (Global Positioning System) coordinates, if available. Include property address; closest major intersection; and note any restrictions / limitations to public tree access by the public. Note also soil type, topography, slope and aspect if known, and/or any other relevant site specific features.

- ◆ Draw this map in sufficient detail to allow us to find the stand.
- ◆ This map will be held confidential and only be used for CSC auditing purposes

Check that  - North direction is indicated

- directions and distance to nearest town, or marked intersection

- landowner contact information is indicated.

- stand location is shown from nearest Road access – e.g. distance, landmarks

Use separate sheet of paper

## About the seed collection:

Owner consents to collection of seeds?

Yes, willing to participate (Attach letter of support)

No, not willing to participate (Explain why)

## Collector's Information

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Contact information: phone ( ) \_\_\_\_\_ - \_\_\_\_\_ e-mail \_\_\_\_\_

Collection Date: Month- \_\_\_\_\_ Day- \_\_\_\_\_ Yr- \_\_\_\_\_

Number of seed producing plants: \_\_\_\_\_

**Crop:**       Heavy       Medium       Light      Seed quality can be affected by the size of the crop (see Seed Manual of Ontario for explanation) with usually higher quality (i.e. more filled seed, larger seed, better germination energy and storability, genetic diversity) in heavy seed years. This information can also be used to help us track the periodicity of seed crops from year to year, which is especially important as we try to gauge the effects of climate change.

Single source collection       Bulked collection –

**Collection Information:** # of specimens collected from:  1       2-5       6-20       21 – 50

- picked directly from plant(s)       - from ground       - from squirrel cache

**Sign of Insect:**  no       yes

Seed quality can also be affected by insects. Describe Insect damage –