

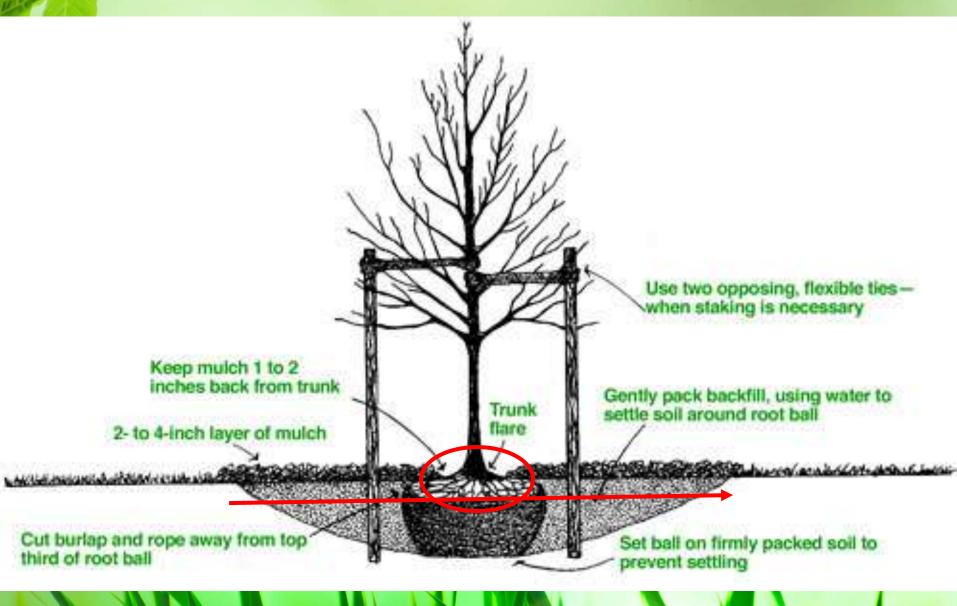


-Site Evaluation Strategy-

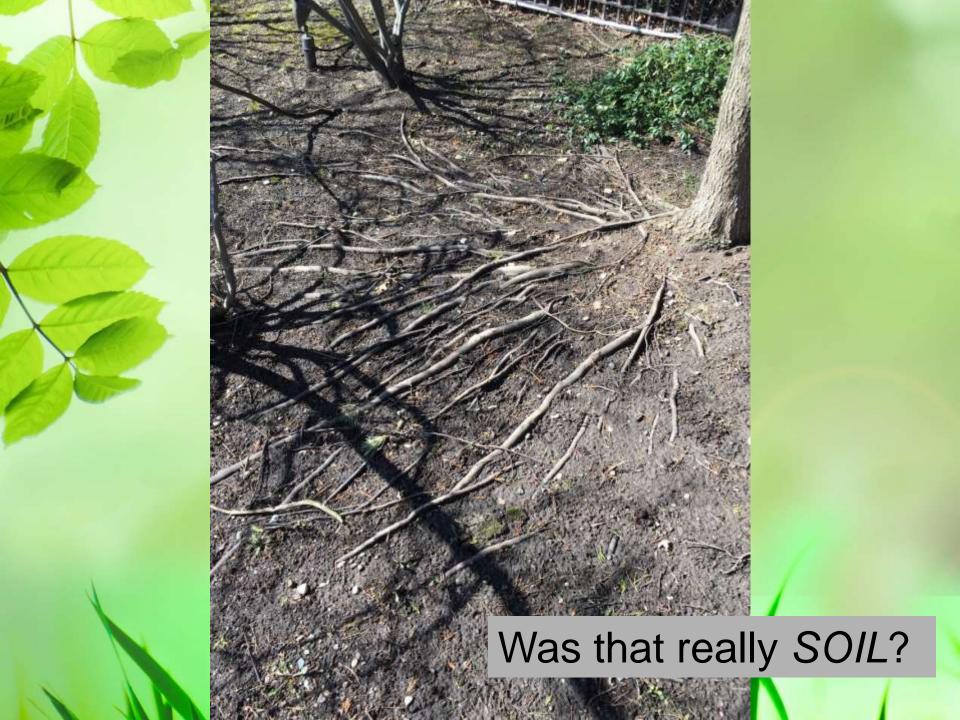
- Identify the Plant, Hardiness zone
- Inspect: Signs and Symptoms (Foliage, Stem, Root Flare, Roots)
- Symptoms on other plants in the area? (Env?)
- Identify Pests (BugFinder, Johnson, Sinclair & Lyon; Marshall)
- Identify Beneficials
- Soil conditions (Texture, Drainage, Compaction, Depth, Root Zone Area)
- Moisture Levels, Irrigation, Leaf Wetness Periods
- Plant and Site History
- Exposure: Sun, Wind
- Competition: Light, Water, Nutrients
- Cultural Practices (Mulching, Compost, Pruning)



Tree Planting - heavy soil











Oak Wilt - not in Ontario

- Ceratocystis fagacearum
- Red Oak group
- 1 season death

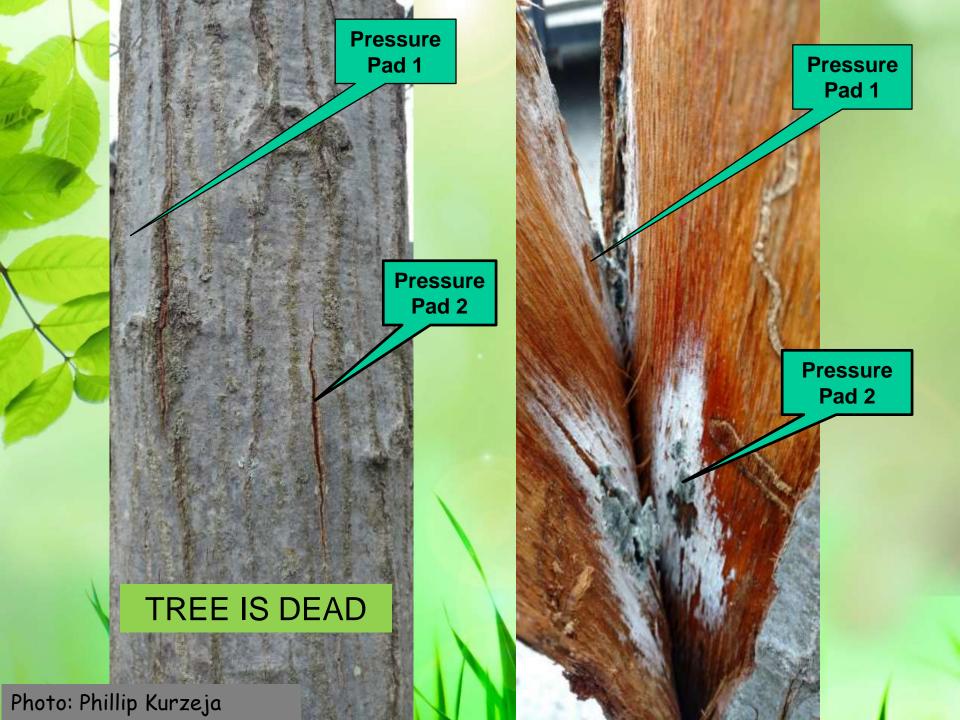
- Root grafts
- Beetle vector

















Photos: Phillip Kurzeja



Oak Wilt Summary of Symptoms

- 17 Infection of xylem (root graft, wound in canopy)
- 2. Canopy dieback, leaf drop, branch death
- 3. Tree death
- 4. Months later....sporulation under bark (pressure pads) & vertical bark cracks



DO NOT PRUNEIN MAY OR JUNE!

Or April
Or July...



Hemlock Woolly Adelgid



Hemlock Woolly Adelgid- Egg masses APRIL





Hemlock Woolly Adelgid

2019: Wainfleet



Hemlock woolly adelgid nymphs in dormancy

