

SCBI SIGEO

Seedling Plot Identification Guide

Compiled by Chris Lewis

Opposite Leaf Arrangement

Remember this: MAD Cap

Maple

Ash

Dogwood

Caprifoliaceae

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graph LR; Caprifoliaceae --> Viburnum; Caprifoliaceae --> Lonicera[Honeysuckle]; Caprifoliaceae --> Symphoricarpos[Coralberry]; Caprifoliaceae --> Sambucus[Elderberry]
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(Also Fringe Tree,
Chionanthus
virginicus)

Red Maple *Acer rubrum* (ACRU)

(Opposite, simple; margins coarsely and doubly serrate)



Boxelder *Acer negundo* (ACNE)

(Opposite, compound; margins dentate, lobed or entire)



Exception: simple here

White Ash *Fraxinus americana* (FRAM)

(Opposite, compound; leaflets entire or shallowly serrate)



cotyledon



Flowering Dogwood *Cornus florida* (COFL)

(Opposite, arcuate veination)



Blackhaw Viburnum *Viburnum prunifolium* (VIPR)

(Opposite; leaves thin, dull green; margins finely serrate; slender petioles)



Japanese Honeysuckle *Lonicera japonica* (LOJA)

(Opposite; entire or lobed; vine)



Coralberry *Symphoricarpos orbiculatus* (SYOR)

(Opposite)



White Oak *Quercus alba* (QUAL)

(Lacks bristle-tipped lobes; shallow to deep sinuses)



Chestnut Oak *Quercus prinus* (QUPR)



(Lacks bristle-tipped lobes;
crenate margins)



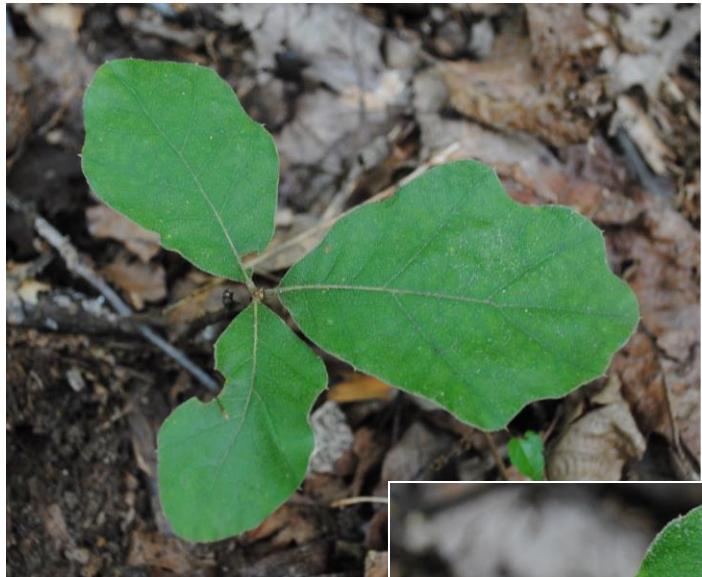
Northern Red Oak *Quercus rubra* (QURU)

(Bristle-tipped lobes; glabrous surface below)



Black Oak *Quercus velutina* (QUVE)

(Bristle-tipped lobes; pubescent surface below)



Bitternut Hickory *Carya cordiformis* (CACO)

(Compound, alternate leaves; sulfur-yellow, valvate buds)



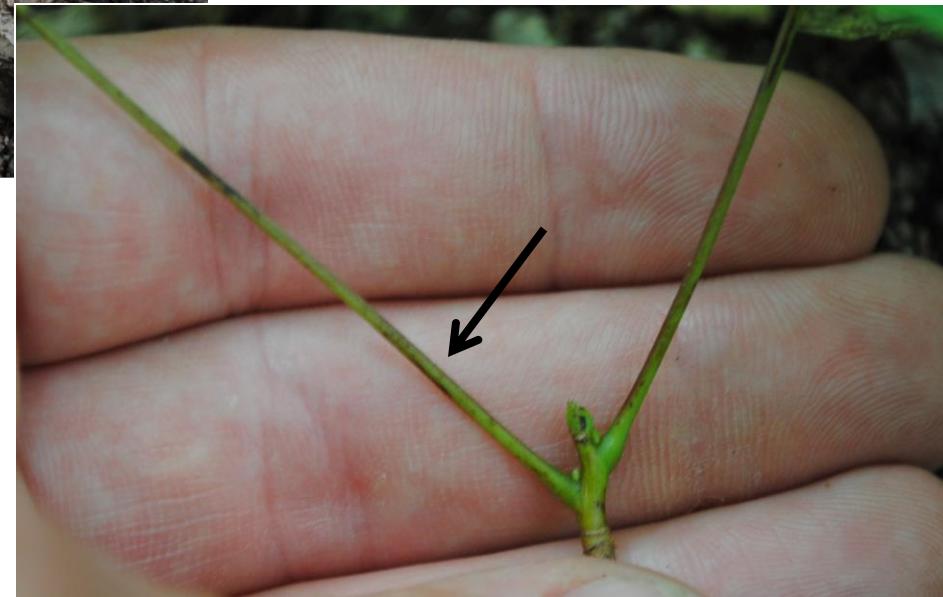
Mockernut Hickory *Carya tomentosa* (CATO)

(Compound, alternate leaves; imbricate buds; densely pubescent rachis)



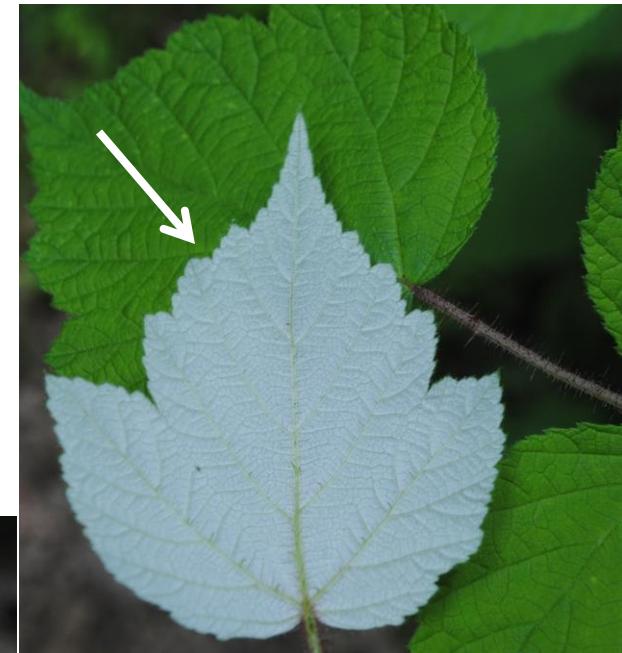
Pignut/Red Hickory *Carya glabra/ovalis* (CAgo)

(Compound, alternate leaves; imbricate buds; glabrous rachis)



Wineberry *Rubus phoenicolasius* (RUPH)

(Compound 3 leaflets, alternate; stems/petioles densely covered with long, red hairs)



Black Raspberry *Rubus occidentalis* (RUOC)

(Compound 3 leaflets; stems glabrous, purplish, glaucous – almost white with waxy coating)



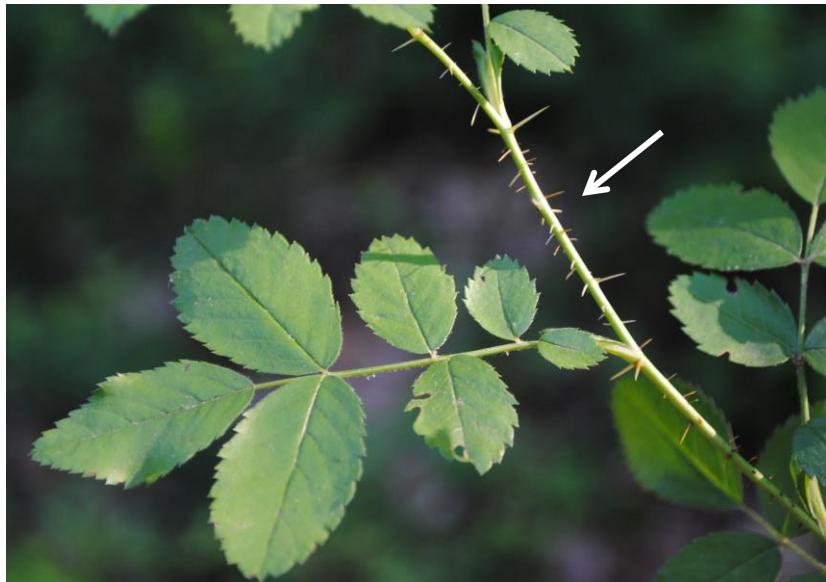
Allegheny Blackberry *Rubus allegheniensis* (RUAL)

(Compound, 3-5 leaflets; stems ridged or angled)



Multiflora Rose *Rosa multiflora* (ROMU)

(Compound 5-7 leaflets, alternate, shallowly serrate; toothed (fringed) stipules; prickles)



Blackgum *Nyssa sylvatica* (NYSY)

(Alternate, simple; dark green, lustrous, leathery; margins entire)



Pawpaw *Asimina triloba* (ASTR)

(Alternate, simple, aromatic – kerosene/beany)

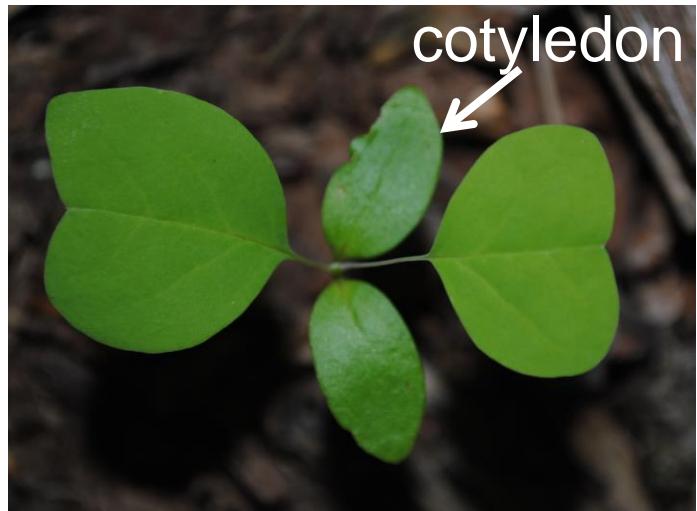


Spicebush *Lindera benzoin* (LIBE)

(Alternate, simple; aromatic – lemony/spicy)



Tulip Poplar *Liriodendron tulipifera* (LITU)



Redbud *Cercis canadensis* (CECA)

(Alternate, simple, heart-shaped leaves)

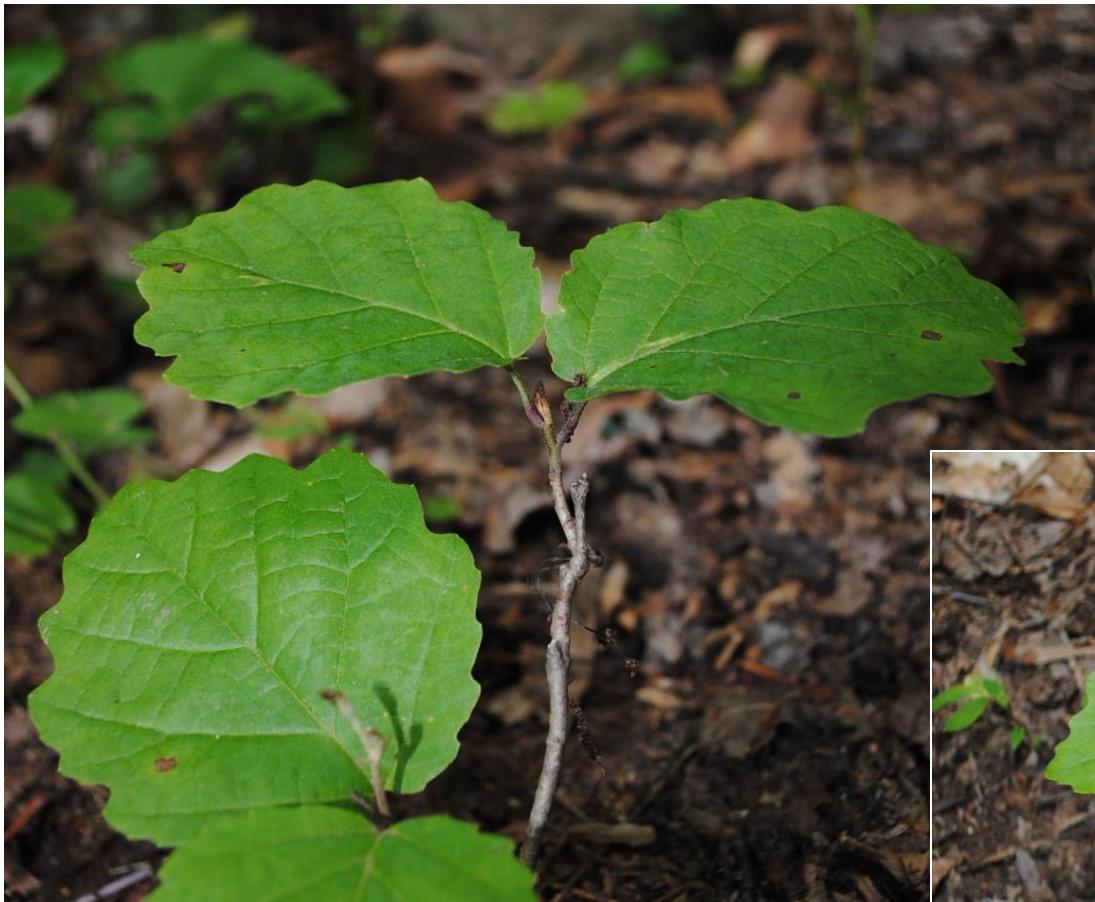


Sassafras *Sassafras albidum* (SAAL)

(Alternate, simple, entire
and lobed leaves)



Witch-Hazel *Hamamelis virginiana* (HAVI)

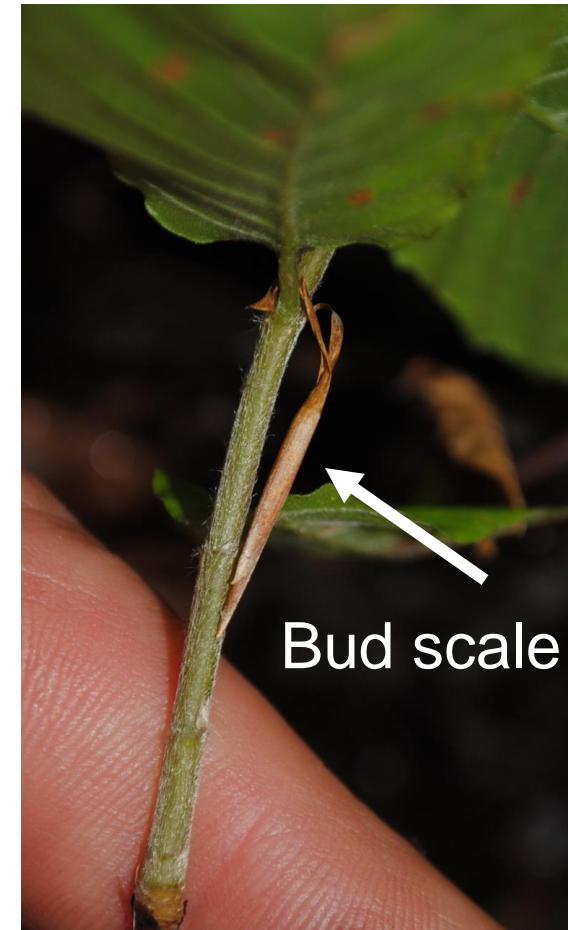


(Alternate, simple, oval;
margins wavy)



American Beech *Fagus grandifolia* (FAGR)

(Alternate, simple, papery leaves; parallel secondary veins)



Bud scale

American Hornbeam *Carpinus caroliniana* (CACA)

(Alternate, simple, doubly serrate leaves)



Northern Hackberry *Celtis occidentalis* (CEO) (Alternate, simple, sharply serrate leaves)



Slippery Elm *Ulmus rubra* (ULRU)

(Alternate, simple, coarsely doubly serrate; surfaces very scabrous above, soft pubescent below)



Serviceberry *Amelanchier arborea* (AMAR)

(Alternate, simple, sharply serrate; surfaces glabrous above, paler, pubescent below)



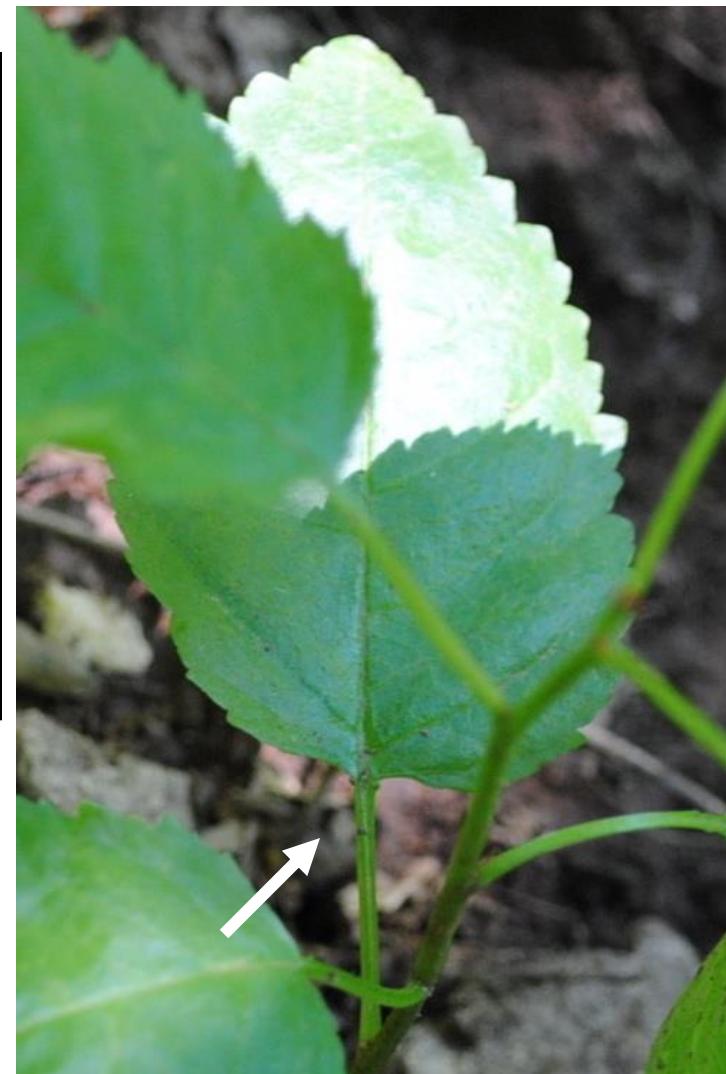
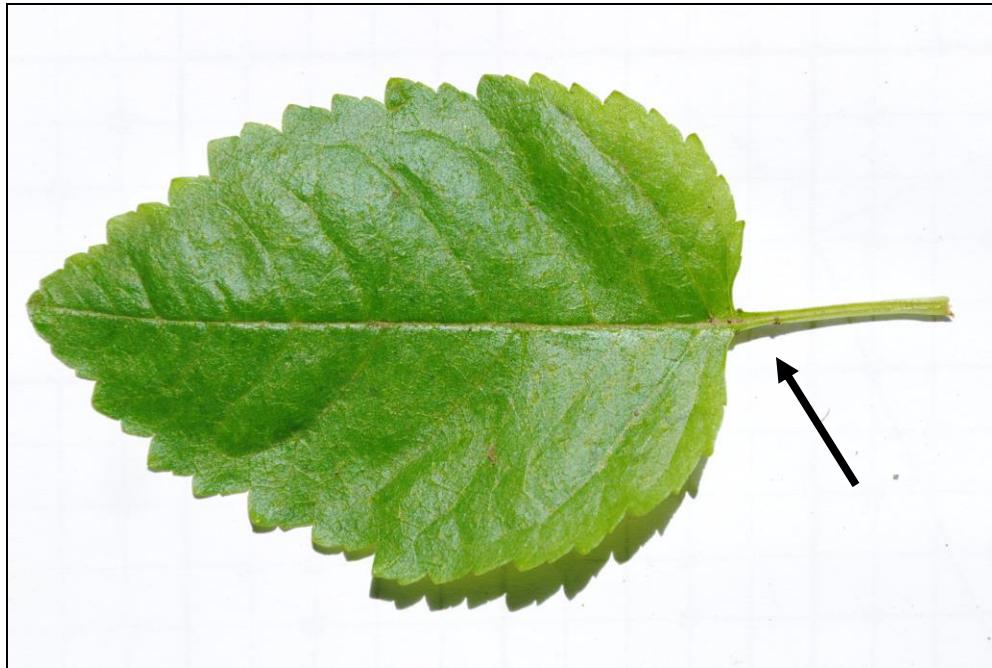
Black Cherry *Prunus serotina* (PRSE)

(Alternate, simple, finely serrate with callous incurved teeth; petiole glandular)



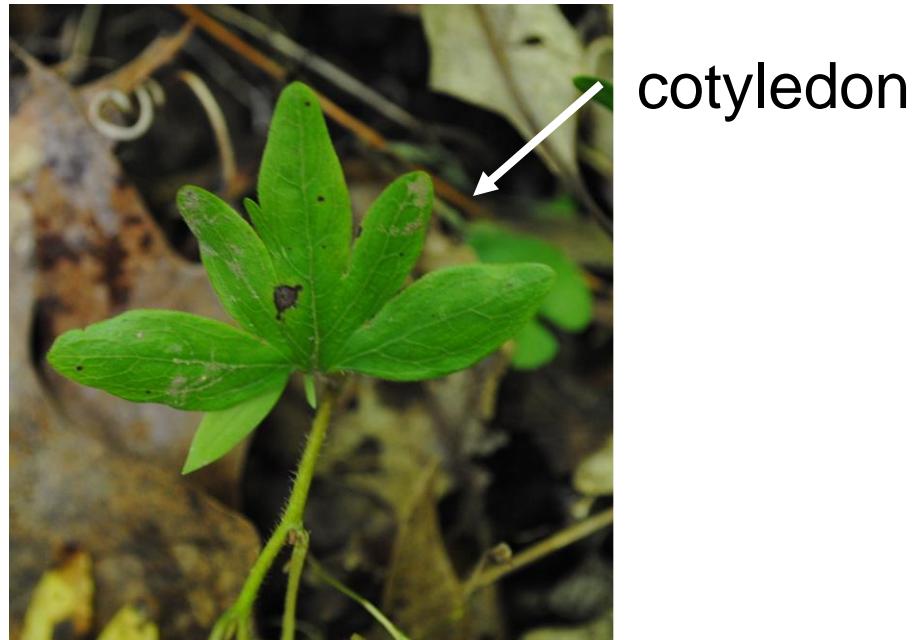
Sweet Cherry *Prunus avium* (PRAV)

(Alternate, simple, coarsely and doubly serrate; petiole glandular)



American Basswood *Tilia americana* (TIAM)

(Alternate, simple, coarsely serrate, short-petioled; lobed cotyledon)



Grape Vine *Vitis* sp. (VITIS)

(Alternate, simple, coarsely serrate; long petioled)



Poison Ivy *Toxicodendron radicans* (TORA)

(Compound - 3 leaflets, alternate, margins with irregular teeth; vine)



Virginia Creeper *Parthenocissus quinquefolia* (PAQU)

(Compound - 5 leaflets, alternate, margins coarsely serrate; vine)



Oriental Bittersweet *Celastrus orbiculatus* (CEOR)

(Alternate, simple, orbicular; margins finely serrate; vine)



Black Locust *Robinia pseudoacacia* (ROPS)

(Compound, alternate; ovate, entire leaflets)



Autumn Olive *Elaeagnus umbellata* (ELUM)

(Alternate, simple; shallow toothed, silvery beneath)



Japanese Barberry *Berberis thunbergii* (BETH)

(Alternate, simple, ovate, margins entire, bases tapering to long petiole)



Blueberry *Vaccinium* sp. (VASP)

(Alternate, simple, leathery; margins entire, ciliate or serrate)



Greenbrier *Smilax* sp. (SMSP)

(Alternate, simple, longitudinally veined; stems slender, cylindrical with few curved prickles)



Tree of Heaven *Ailanthus altissima* (AIAL)

(Alternate, compound, unpleasant odor)

