



Tree Board - Dec 04 2024 Agenda

Wednesday, December 4, 2024 at 6:00 PM

Town Council Chambers

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2. Adopt or Amend Agenda	
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7.1 Adjourn Meeting	

**Tree Board Meeting
Wednesday November 6, 2024, 6:00 p.m.
Minutes**

**Town of Weaverville
State of North Carolina**

Wednesday, November 6, 2024

The Tree Board for the Town of Weaverville held a regular meeting on November 6, 2024, at 6:00 p.m. in the Town Council Chambers, Town Hall, Weaverville, N.C.

Present: Chairman Russ Kantner, regular members Greg Sanfilippo, Jeff Colavecchia, Pauline Griffith and Inger Stallmann-Jorgensen and alternate member, Caleb Hudson.

Absent: excused Caroline Lord and Gary Harmon

Staff: Tamara Mercer, Town Clerk

1. Call to Order

Chairman Kantner called the meeting to order at 6:00 p.m.

2. Adoption of Agenda

Chairman Kantner

Without objection, Chairman Kantner moved to approve the agenda but moved item Helene response to the beginning of the meeting. Motion carried unanimously 6-0.

3. Approval of Minutes- August 7, 2024

Without objection Inger Stallmann-Jorgensen moved to approve the meeting minutes of August 7, 2024. Motion carried unanimously 6-0.

4. Helene disaster Departmental Response and Action Plan provided by Chief Scottie Harris

Chairman Kantner requested members to share their Hurricane Helene storm experiences. Pauline lost a Hickory tree. Inger lost a valued tree on her property

as well. Greg said he lost most of the trees on his property as the majority are gone. He added he has a lumber yard now.

There was discussion regarding the provided Town of Weaverville recovery and response plan, noted were the Public Works Department methodology and work efforts to address the downed trees. Ms. Mercer provided information about the process of debris removal. The Town Manager's report provided highlights such as:

- As of October 25th, approximately 3,570 cubic yards of debris collected
- As of October 11th, customers were receiving water
- As of October 16th, Water Advisory lifted for Weaverville Water customers
- Emergency Services treating severe cases of poison Oak, Ivy, Sumac as citizens work on felled trees
- FEMA contractor brush debris collection information
- Grapple truck crews' debris collection information
- Tree loss estimates to be calculated and are on-going
- Burning, chipping, hauling of debris removal process
- Army Corps of Engineers procedures
- FEMA 100-year floodplain maps

5. CODE: Ch. 32 & Ch. 2 Sec. 2-176 Duties and Limitations
Review Mission, Priorities, Duties & Timing Discussion

Code of Ordinance, Chapter 2, Article IV, Division 4. Chart Priorities and Goals-where completed per the Tree Board members' instructions.

Ms. Mercer reviewed the code for Chapter 2, Article IV, Division 4. Tree Board stated goals and priorities list.

Chairman Kantner noted that due to the latest Hurricane Helene storm damage to the tree canopy that concentration would shift to:

Goal: seek advise from qualified landscape architects, arborists, foresters, horticulturists, or other knowledgeable individuals to work on updating the town's species list.

Designate heritage trees, which are understood to be individual trees with unique value based on age, rarity, size, and aesthetic, botanical, ecological or historical significance.

Investigate available grants, loans, or from other governmental agencies, public or private corporations, or individuals, and to recommend the expenditure

There was general consensus to continue with the education programs as referenced in the action plan.

Chairman Kantner moved to adopt the stated goals, responsibilities, and priorities charted in the action plan for Code Chapter 2, article IV, Division 4. Tree Board. Motion carried unanimously.

6. Other Business

Species list for tress and vegetation discussion. Mr. Gary Harmon has updated the excel spreadsheet for the town's species list. It was decided to work with the Board and perhaps master gardeners for updating the species list for consideration and adoption as noted in the charted goals.

7. Adjournment

There being no further business, and without objection Mr. Kantner adjourned the meeting at 7:00 p.m.

Attest:

Town Clerk, Tamara Mercer

**TOWN OF WEAVERVILLE
TREE BOARD AGENDA ITEM**

MEETING DATE: December 4, 2024
SUBJECT: Tree Board Chapter 32 Species List
PRESENTER: Chairman Kantner
ATTACHMENTS: **reference** excel spreadsheet, due to data base size and format, it will not be attached here

DESCRIPTION: Tree Board to conduct review of species list

Weaverville approved plants list from Chapter 32, vegetation has been tabbed to include the trees according to size, as well as the plant list format. Board members seek to cull this list to exclude/include some plantings no longer relevant to our region, and seek additional input from arborists, foresters, the general public, and landscapers in the aftermath of our region hit by Hurricane Helene as a great loss of the tree canopy has occurred.

Botanical Name	Common Name	Expected Height
Small Shrubs (up to approximately 4' tall)		
<i>Ceanothus americanus</i>	New Jersey Tea	3
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle	3
<i>Fothergilla gardenii</i>	Dwarf Witchalder	4
<i>Hypericum frondosum</i>	Cedarglade St. Johnswort	3
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	4
<i>Xanthorhiza simplicissima</i>	Yellowroot	2
Medium Shrubs (approximately 5-10' tall)		
<i>Aronia arbutifolia</i>	Red Chokeberry	8
<i>Aronia melanocarpa</i>	Black Chokeberry	5
<i>Callicarpa americana</i>	American Beautyberry	6
<i>Calycanthus floridus</i>	Sweetshrub	9
<i>Corylus americana</i>	Hazelwood	10
<i>Cornus amomum</i>	Silky Dogwood	7
<i>Euonymus americanus</i>	Hearts-a-Bustin'	8
<i>Fothergilla latifolia</i> (<i>F. major</i>)	Mountain Witchalder	6
<i>Hydrangea arborescens</i>	Wild Hydrangea	6
<i>Hypericum densiflorum</i>	Bushy St. Johnswort	6
<i>Itea virginica</i>	Virginia Sweetspire	10
<i>Kalmia latifolia</i>	Mountain Laurel	6
<i>Lindera benzoin</i>	Spicebush	10
<i>Photinia melanocarpa</i>	Black Chokeberry	8
<i>Photinia pyrifolia</i>	Red Chokeberry	5
<i>Physocarpus opulifolius</i>	Ninebark	10
<i>Rhododendron calendulaceum</i>	Flame Azalea	10
<i>Rhododendron minus</i> (<i>R. carolinianum</i>)	Carolina Rhododendron	6
<i>Rhododendron catawbiense</i>	Catawba Rhododendron	8
<i>Rhododendron cumberlandense</i>	Cumberland Azalea	8
<i>Rhododendron periclymenoides</i>	Pinxterbloom	8
<i>Rhus copallinum</i> (<i>R. copallina</i>)	Shining Sumac	8
<i>Rosa carolina</i>	Carolina Rose	5
<i>Rosa palustris</i>	Swamp Rose	8

[Ceanothus americanus \(Mountain Snowbell, New Jersey Tea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Diervilla lonicera \(Northern Bush-honeysuckle\) - FSUS \(unc.edu\)](#)

[Fothergilla gardenii \(Coastal Witch-alder, Dwarf Fothergilla\) | North Carolina Extension Gardener Plant Toolbox](#)

[Hypericum frondosum \(Cedarglade St. Johnswort, St. John's wort\) | North Carolina Extension Gardener Plant Toolbox](#)

[Hypericum prolificum \(Common St. John's Wort, Shrubby St. John's Wort, St. John's Wort\) | North Carolina Extension Gardener Plant Toolbox](#)

[Xanthorhiza simplicissima \(Brook-feather, Parsley-leaved Yellowroot, Scurvyroot\) | North Carolina Extension Gardener Plant Toolbox](#)

[Aronia arbutifolia \(Chokeberry, Red Chokeberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Aronia melanocarpa \(Black Berried Aronia, Black Chokeberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Callicarpa americana \(American Beautyberry, American Mulberry, Beautyberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Calycanthus floridus \(Bubby Bush, Carolina Allspice, Common Sweetshrub, Spicebush\) | North Carolina Extension Gardener Plant Toolbox](#)

[Corylus americana \(American Filbert, American Hazelnut, Hazelnut\) | North Carolina Extension Gardener Plant Toolbox](#)

[Cornus amomum \(Kinnikinnik, Pale Dogwood, Red Willow, Silky Cornel, Silky Dogwood\) | North Carolina Extension Gardener Plant Toolbox](#)

[Euonymus americanus \(Hearts A'busting, Strawberry Bush\) | North Carolina Extension Gardener Plant Toolbox](#)

[Fothergilla latifolia \(Large Fothergilla, Large Witch-alder\) | North Carolina Extension Gardener Plant Toolbox](#)

[Hydrangea arborescens \(Hills of Snow, Hortensia, Hydrangea, Sevenbark, Sever\) | North Carolina Extension Gardener Plant Toolbox](#)

[Hypericum densiflorum \(Bushy St. John's Wort, Dense St. John's Wort\) | North Carolina Extension Gardener Plant Toolbox](#)

[Itea virginica \(Itea, Virginia Sweetspire, Virginia Sweet Spire, Virginia Willow\) | North Carolina Extension Gardener Plant Toolbox](#)

[Kalmia latifolia \(Calico Bush, Ivy Bush, Laurel, Mountain Ivy, Mountain Laurel, S\) | North Carolina Extension Gardener Plant Toolbox](#)

[Lindera benzoin \(Northern Spicebush, Spicebush, Spice Bush\) | North Carolina Extension Gardener Plant Toolbox](#)

Now Aronia mealanocarpa - see above

Now Aronia arbutifolia - see above

[Physocarpus opulifolius \(Atlantic Ninebark, Common Ninebark, Eastern Ninebark\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron calendulaceum \(Flame Azalea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron minus \(Carolina Rhododendron, Dwarf Rhododendron, Minus, Carolina Rhododendron\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron catawbiense \(Catawba Rhododendron, Mountain Rosebay, Purple\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron cumberlandense \(Cumberland Azalea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron periclymenoides \(Pinxterbloom Azalea, Pinxter Flower, Wild Azalea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhus copallinum \(Dwarf Sumac, Flameleaf Sumac, Shining Sumac, Winged Sumac\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rosa carolina \(Carolina Rose, Pasture Rose\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rosa palustris \(Swamp Rose\) | North Carolina Extension Gardener Plant Toolbox](#)

<i>Sambucus canadensis</i>	Elderberry	10
<i>Spiraea virginiana</i>	Virginia Meadowsweet	8
<i>Viburnum acerifolium</i>	Mapleleaf Viburnum	6
<i>Viburnum dentatum</i>	Southern Arrowwood	10
<i>Viburnum nudum</i>	Possumhaw Viburnum	8
Tall Shrubs (over approximately 10' tall)		
<i>Alnus serrulata</i>	Hazel Alder	12
<i>Castanea pumila</i>	Allegheny Chinquapin	14
<i>Cephalanthus occidentalis</i>	Buttonbush	15
<i>Clethra acuminata</i>	Cinnamon Clethra	12
<i>Hamamelis virginiana</i>	Common Witchhazel	15
<i>Ilex decidua</i>	Possumhaw	30
<i>Ilex montana</i>	Mountain Winterberry	30
<i>Lindera benzoin</i>	Spicewood	12
<i>Prunus virginiana</i>	Chokecherry	20
<i>Rhododendron arborescens</i>	Sweet Azalea	18
<i>Rhododendron maximum</i>	Rosebay Rhododendron	20
<i>Rhododendron vaseyi</i>	Pinkshell Azalea	12
<i>Rhododendron viscosum</i>	Swamp Azalea	15
<i>Rhus glabra</i>	Smooth Sumac	12
<i>Rhus typhina</i>	Staghorn Sumac	20
<i>Vaccinium corymbosum</i>	Highbush Blueberry	12
<i>Viburnum cassinoides</i>	Witherod	15
<i>Viburnum prunifolium</i>	Blackhaw Viburnum	16
<i>Viburnum rufidulum</i>	Rusty Blackhaw Viburnum	15
Small to Medium Trees (to approximately 50 ft. tall)		
<i>Amelanchier arborea</i>	Downy Serviceberry	25
<i>Amelanchier laevis</i>	Allegheny Serviceberry	25
<i>Asimina triloba</i>	Pawpaw	25
<i>Carpinus caroliniana</i>	American Hornbeam	30
<i>Cercis canadensis</i>	Redbud	25
<i>Chionanthus virginicus</i>	Fringetree	25
<i>Cladrastis kentukea</i>	Yellowwood	50

[Sambucus canadensis \(American Elder, American Elderberry, Common Elderberry\)](#)

[Spiraea virginiana \(Virginia Spiraea\) - FSUS \(unc.edu\)](#)

[Viburnum acerifolium \(Maple Leaf Viburnum, Mapleleaf Viburnum\) | North Carolina Extension Gardener Plant Toolbox](#)

[Viburnum dentatum \(Arrow-wood Viburnum, Arrowwood Viburnum, Southern Wild Raisin\)](#)

[Viburnum nudum \(Possumhaw Viburnum, Smooth Witherod, Southern Wild Raisin\)](#)

Tall Shrubs (over approximately 10' tall)

[Alnus serrulata \(Alder, Hazel Alder, Smooth Alder, Tag Alder\) | North Carolina Extension Gardener Plant Toolbox](#)

[Castanea pumila \(Allegheny Chinquapin, American Chinquapin, Chinquapin, Cochinquapin\)](#)

[Cephalanthus occidentalis \(Buttonbush, Button Bush\) | North Carolina Extension Gardener Plant Toolbox](#)

[Clethra acuminata \(Cinnamonbark Clethra, Cinnamon Clethra, Mountain Pepperbush\)](#)

[Hamamelis virginiana \(Common Witchhazel, Common Witch Hazel, Southern Witch Hazel\)](#)

[Ilex decidua \(Possumhaw, Possum-haw, Possum Haw Holly, Possumhaw Holly, Waxhaw\)](#)

[Ilex montana \(Mountain Holly, Mountain Winterberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Lindera benzoin \(Northern Spicebush, Spicebush, Spice Bush\) | North Carolina Extension Gardener Plant Toolbox](#)

[Prunus virginiana \(Chokecherry, Choke Cherry, Common Chokecherry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron arborescens \(Smooth Azalea, Sweet Azalea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron maximum \(Great Rhododendron, Max, Rosebay Rhododendron\)](#)

[Rhododendron vaseyi \(Pinkshell Azalea\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhododendron viscosum \(Clammy Azalea, Swamp Azalea, Swamp Honeysuckle\)](#)

[Rhus glabra \(Smooth Sumac\) | North Carolina Extension Gardener Plant Toolbox](#)

[Rhus typhina \(Staghorn Sumac\) | North Carolina Extension Gardener Plant Toolbox](#)

[Vaccinium corymbosum \(Highbush Blueberry, Smooth Highbush Blueberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Viburnum cassinoides \(Blue Haw, Northern Wild Raisin, Swamp Haw, Wild Raisin\)](#)

[Viburnum prunifolium \(Blackhaw, Black Haw, Blackhaw Viburnum, Nannyberry\)](#)

[Viburnum rufidulum \(Rusty Blackhaw, Rusty Black Haw, Rusty Blackhaw Viburnum\)](#)

Small to Medium Trees (to approximately 50 ft. tall)

[Amelanchier arborea \(Alabama Serviceberry, Downy Serviceberry, Juneberries\)](#)

[Amelanchier laevis \(Allegheny Serviceberry, Coastal Plain Serviceberry, June Berry\)](#)

[Asimina triloba \(Common Pawpaw, Pawpaw\) | North Carolina Extension Gardener Plant Toolbox](#)

[Carpinus caroliniana \(American Hornbeam, Blue Beech, Hornbeam, Ironwood, Ironwood\)](#)

[Cercis canadensis \(American Judas Tree, American Redbud, Eastern Redbud, Redbud\)](#)

[Chionanthus virginicus \(American Fringetree, American Fringe Tree, Fringetree, Fringetree\)](#)

[Cladrastis kentukea \(American yellowwood, Yellowwood\) | North Carolina Extension Gardener Plant Toolbox](#)

Cornus alternifolia	Alternateleaf Dogwood	25
Cornus florida	Flowering Dogwood	25
Cornus kousa x florida*	Chinese x Flowering Dogwood hybrid	25
Crataegus phaenopyrum	Washington Hawthorn	25
Frangula caroliniana	Carolina Buckthorn	35
Halesia carolina (<i>H. tetraptera</i>)	Mountain Silverbell	40
Ilex opaca	American Holly	30
Juniperus virginiana	Eastern Red Cedar	50
Malus angustifolia	Southern Crabapple	25
Malus coronaria	Sweet Crabapple	20
Magnolia acuminata	Mountain magnolia	40
Magnolia tripetala	Cucumber Tree	30
Ostrya virginiana	Eastern Hophornbeam	40
Oxydendrum arboreum	Sourwood	30
Prunus americana	American Plum	25
Ptelea trifoliata	Hoptree	20
Robinia viscosa	Clammy Locust	40
Salix sericea	Silky Willow	12
Sassafras albidum	Sassafras	40
Stewartia ovata	Mountain Stewartia	20
Symplocos tinctoria	Horse Sugar	30
Medium to Large Trees (over approximately 50 ft. tall)		
Acer negundo	Boxelder	60
Acer rubrum	Red Maple	70
Acer saccharinum	Silver Maple	80
Acer saccharum	Sugar Maple	80
Aesculus flava	Yellow Buckeye	70
Betula alleghaniensis	Yellow Birch	75
Betula nigra	River Birch	70
Carya cordiformis	Bitternut Hickory	75
Carya glabra	Pignut Hickory	80
Carya ovata	Shagbark Hickory	75
Carya pallida	Sand Hickory	90
Carya tomentosa	Mockernut Hickory	85

[Cornus alternifolia \(Alternate-leaf Dogwood, Alternateleaf Dogwood, Pagoda Dogwood\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Cornus florida \(Flowering Dogwood\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Crataegus phaenopyrum \(Hawthorn, Thornapple, Washington Hawthorn\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Frangula caroliniana \(Carolina Buckthorn\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Halesia carolina \(Carolina Silverbell, Common Silverbell, Little Silverbell, Mountain Silverbell\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Ilex opaca \(American Holly, Holly, Winterberry\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Juniperus virginiana \(Eastern Redcedar\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Malus angustifolia \(Narrowleaf Crab, Narrowleaf Crabapple, Southern Crabapple\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Malus coronaria \(American Crabapple, Garland Crab, Sweet Crabapple, Wild Crabapple\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Magnolia acuminata \(Cucumber Magnolia, Cucumber Tree, Cucumber-tree, Cucumber Tree\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Magnolia tripetala \(Umbrella Magnolia, Umbrella-tree\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Ostrya virginiana \(American Hop-hornbeam, Eastern Hop Hornbeam, Hop Hornbeam\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Oxydendrum arboreum \(Lily of the Valley Tree, Sorrel Tree, Sourwood\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Prunus americana \(American Plum, American Wild Plum, Wild Plum\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Ptelea trifoliata \(Hoptree, Hop-tree, Stinking Ash, Wafer-ash\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Robinia viscosa \(Clammy Locust\) - FSUS \(unc.edu\)](#)

[Salix sericea \(Silky Willow\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Sassafras albidum \(Cinnamon Wood, Common Sassafras, Mitten Tree, Sassafras\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Stewartia ovata \(Mountain Camellia, Mountain Stewartia, Summer Dogwood\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Symplocos tinctoria \(Horsesugar, Horse-sugar, Sweetleaf\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Acer negundo \(Ash-Leaf Maple, Ashleaf maple, Boxelder, Box elder\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Acer rubrum \(Carolina Maple, Red Maple, Scarlet Maple, Soft Maple, Swamp Maple\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Acer saccharinum \(River Maple, Silverleaf Maple, Silver Maple, Swamp Maple\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Acer saccharum \(Hard Maple, Leucoderme, Northern Sugar Maple, Sugar Maple\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Aesculus flava \(Big Buckeye, Sweet Buckeye, Yellow Buckeye\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Betula alleghaniensis \(Golden Birch, Swamp Birch, Yellow Birch\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Betula nigra \(Black Birch, Red Birch, River Birch, Water Birch\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Carya cordiformis \(Bitter Hickory, Bitternut, Bitternut Hickory, Bitter Pecan, Pig-nut\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Carya glabra \(Broom Hickory, Coast Pignut Hickory, Pignut, Pignut Hickory, Red Pignut\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Carya ovata \(Common Shagbark Hickory, Shagbark Hickory\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Carya pallida \(Pale Hickory, Sand Hickory\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

[Carya tomentosa \(Big-bud Hickory, Mockernut Hickory, Squarenut, White Heart Hickory\)](#) | [North Carolina Extension Gardener Plant Toolbox](#)

<i>Castanea dentata</i> **	American Chestnut	115 (potential)
<i>Celtis occidentalis</i>	Hackberry	60
<i>Diospyros virginiana</i>	Persimmon	55
<i>Fagus grandifolia</i>	American Beech	80
<i>Fraxinus americana</i>	White Ash	80
<i>Fraxinus pennsylvanica</i>	Green Ash	80
<i>Juglans nigra</i>	Black Walnut	100
<i>Liquidambar styraciflua</i>	Sweetgum	75
<i>Liriodendron tulipifera</i>	Tuliptree	100
<i>Magnolia fraseri</i>	Umbrella Tree	60
<i>Morus rubra</i>	Red Mulberry	60
<i>Nyssa sylvatica</i>	Black Gum	60
<i>Pinus echinata</i>	Shortleaf Pine	100
<i>Pinus strobus</i>	Eastern White Pine	80
<i>Pinus virginiana</i>	Virginia Pine	70
<i>Platanus occidentalis</i>	Sycamore	100
<i>Prunus serotina</i>	Black Cherry	80
<i>Quercus alba</i>	White Oak	90
<i>Quercus coccinea</i>	Scarlet Oak	70
<i>Quercus falcata</i>	Southern Red Oak	75
<i>Quercus imbricaria</i>	Shingle Oak	80
<i>Quercus montana</i>	Chestnut Oak	75
<i>Quercus muehlenbergii</i>	Chinkapin Oak	70
<i>Quercus rubra</i>	Red Oak	75
<i>Quercus stellata</i>	Post Oak	80
<i>Quercus velutina</i>	Black Oak	90
<i>Salix nigra</i>	Black Willow	80
<i>Tilia americana</i>	American Linden or Basswood	80
<i>Tsuga canadensis</i> ***	Eastern Hemlock	90
<i>Tsuga caroliniana</i> ***	Carolina Hemlock	65
<i>Ulmus alata</i>	Winged Elm	80

[Castanea dentata \(American Chestnut, Chestnut\) | North Carolina Extension Gardener Plant Toolbox](#)

[Celtis occidentalis \(American Hackberry, Beaverwood, Common Hackberry, False Hackberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Diospyros virginiana \(American Persimmon, Common Persimmon, Date Plum, Florida Persimmon\) | North Carolina Extension Gardener Plant Toolbox](#)

[Fagus grandifolia \(American Beech, Beech, Beechnut Tree, Red Beech, Ridge Beech\) | North Carolina Extension Gardener Plant Toolbox](#)

[Fraxinus americana \(American Ash, White Ash\) | North Carolina Extension Gardener Plant Toolbox](#)

[Fraxinus pennsylvanica \(American Ash, Canadian Ash, Green Ash, Red Ash, Water Birch\) | North Carolina Extension Gardener Plant Toolbox](#)

[Juglans nigra \(Black Walnut\) | North Carolina Extension Gardener Plant Toolbox](#)

[Liquidambar styraciflua \(American Sweet Gum, Redgum, Red Sweet Gum, Sweetgum\) | North Carolina Extension Gardener Plant Toolbox](#)

[Liriodendron tulipifera \(Canary Whitehood, Canoeewood, Lyre Tree, North American Tuliptree\) | North Carolina Extension Gardener Plant Toolbox](#)

[Magnolia fraseri \(Earleaf Cucumber Tree, Earleaf Magnolia, Earleaf Umbrella Tree\) | North Carolina Extension Gardener Plant Toolbox](#)

[Morus rubra \(Common Mulberry, Mulberry, Red Mulberry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Nyssa sylvatica \(Blackgum, Black Gum, Black Tupelo, Common Tupelo Tree, Cottonwood\) | North Carolina Extension Gardener Plant Toolbox](#)

[Pinus echinata \(Old-Field Pine, Rosemary Pine, Short-Leaf Pine, Shortleaf Pine, Virginia Shortleaf Pine\) | North Carolina Extension Gardener Plant Toolbox](#)

[Pinus strobus \(Eastern White Pine, North American White Pine, Northern White Pine\) | North Carolina Extension Gardener Plant Toolbox](#)

[Pinus virginiana \(Jersey Pine, Possum Pine, Scrub Pine, Spruce Pine, Virginia Pine\) | North Carolina Extension Gardener Plant Toolbox](#)

[Platanus occidentalis \(American Plane Tree, American Sycamore, Buttonball Tree\) | North Carolina Extension Gardener Plant Toolbox](#)

[Prunus serotina \(Black Cherry, Wild Cherry, Wild Rum Cherry\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus alba \(American White Oak, Eastern White Oak, Forked-leaf White Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus coccinea \(Black oak, Scarlet oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus falcata \(Oaks, Southern Red Oak, Swamp Red Oak, Swamp Spanish Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus imbricaria \(Laurel, Oaks, Shingle Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus montana \(Basket Oak, Chestnut Oak, Oaks, Rock Chestnut Oak, Rock Chestnut\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus muehlenbergii \(Chinkapin Oak, Chinquapin Oak, Oaks\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus rubra \(American Red Oak, Eastern Red Oak, Mountain Red Oak, Northern Red Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus stellata \(Oaks, Post Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Quercus velutina \(Black Oak, Eastern Black Oak, Yellow Oak\) | North Carolina Extension Gardener Plant Toolbox](#)

[Salix nigra \(Black Willow\) | North Carolina Extension Gardener Plant Toolbox \(North Carolina\)](#)

[Tilia americana \(American Basswood, American Linden, Basswood, Bee Tree, Carolina Linden\) | North Carolina Extension Gardener Plant Toolbox](#)

[Tsuga canadensis \(Canada hemlock, Canadian Hemlock, Eastern Hemlock, Hemlock\) | North Carolina Extension Gardener Plant Toolbox](#)

[Tsuga caroliniana \(Carolina Hemlock\) | North Carolina Extension Gardener Plant Toolbox](#)

[Ulmus alata \(Cork Elm, Small Leaf Elm, Wahoo, Winged Elm, Witch Elm\) | North Carolina Extension Gardener Plant Toolbox](#)

Vines	
<i>Bignonia capreolata</i>	Cross Vine
<i>Campsis radicans</i>	Trumpet Flower
<i>Clematis virginiana</i>	Clematis (Virgin's Bower)
<i>Lonicera sempervirens</i>	Coral Honeysuckle
<i>Parthenocissus quinquefolia</i>	Virginia Creeper
<i>Wisteria frutescens</i>	American Wisteria
Ground Covers	
<i>Antennaria plantaginifolia</i>	Pussytoes
<i>Asarum canadense</i>	Wild Ginger
<i>Carex</i> sp.	Sedges (see below)
<i>Chrysogonum virginianum</i> var. <i>australe</i>	Green-and-Gold
<i>Iris cristata</i>	Dwarf Crested Iris
<i>Meehania cordata</i>	Creeping Mint
<i>Pachysandra procumbens</i>	Allegheny Spurge
<i>Phlox stolonifera</i>	Creeping Phlox
<i>Tiarella cordifolia</i>	Heartleaf Foamflower
<i>Viola</i> sp.	Violets
Grasses & Sedges	
<i>Andropogon gerardii</i>	Big Bluestem
<i>Andropogon virginicus</i>	Broomsedge
<i>Arundinaria gigantea</i>	Giant Cane
<i>Carex flaccosperma</i>	Blue Wood Sedge
<i>Carex platyphylla</i>	Blue Satin Sedge
<i>Carex plantaginea</i>	Seersucker Sedge
<i>Carex stricta</i>	Tussock Sedge
<i>Carex pensylvanica</i>	Oak Sedge
<i>Carex appalachica</i>	Appalachian Sedge
<i>Chasmanthium latifolium</i>	River Oats
<i>Danthonia compressa</i>	Oat Grass

[Bignonia capreolata \(Crossvine, Cross-Vine, Trumpet Flower\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Campsis radicans \(Cow-itch, Cow Vine, Devil's Shoestring, Foxglove Vine, Hellvine\)](#)
[Clematis virginiana \(Devil's Darning Needles, Old Man's Beard, Virgin's-Bower, 'Old Man's Beard'\)](#)
[Lonicera sempervirens \(Coral Honeysuckle, Honeysuckle, Trumpet Honeysuckle\)](#)
[Parthenocissus quinquefolia \(Virginia Creeper, Virginia-creeper, Woodbine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Wisteria frutescens \(American Wisteria, Kentucky Wisteria, Texas Wisteria\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Antennaria plantaginifolia \(Everlasting, Ladies' Tabacco, Mouse Ear, Plantain-Leaf\)](#)
[Asarum canadense \(Canadian Wild Ginger, Common Wild Ginger, Wild Ginger\)](#)

[Carex | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Chrysogonum virginianum \(Green and Gold\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Iris cristata \(Crested Iris, Dwarf Crested Iris, Iris\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Meehania cordata \(Meehania\) - FSUS \(unc.edu\)](#)

[Pachysandra procumbens \(Allegheny Spurge, Mountain Pachysandra\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Phlox stolonifera \(Creeping Phlox, Star Rock Phlox\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Tiarella cordifolia \(False Miterwort, Foamflower\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Andropogon gerardii \(Big Bluestem, Bluestem, Broomsedge, Turkey Foot\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Andropogon virginicus \(Beard Grass, Bluestem, Broomsedge, Broomstraw, Old-World Bluestem\)](#)
[Arundinaria gigantea \(Canebreak Bamboo, Giant Cane, River Cane\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Carex flaccosperma \(Blue Wood Sedge, Meadow Sedge, Sedges, Thinfruit Sedge\)](#)
[Carex platyphylla \(Broad Leaf Sedge, Sedges, Silver Sedge\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Carex plantaginea \(Broad-leafed Sedge, Plantain-leafed Sedge, Sedges, Seersucker Sedge\)](#)
[Carex stricta \(Tussock Sedge\) - FSUS \(unc.edu\)](#)

[Carex pensylvanica \(Oak Sedge, Pennsylvania Sedge, Plantainleaf Sedge, Rush, 'Rush'\)](#)

[Carex appalachica \(Appalachian Sedge\) - FSUS \(unc.edu\)](#)

[Chasmanthium latifolium \(Indian Wood Oats, Inland Sea Oats, Northern Sea Oats\)](#)
[Danthonia compressa \(Mountain Oat-grass\) - FSUS \(unc.edu\)](#)

<i>Avenella flexuosa</i> (<i>Deschampsia flexuosa</i>)	Wavy Hair Grass
<i>Elymus hystrix</i>	Bottle Brush
<i>Muhlenbergia capillaris</i>	Muhly Grass
<i>Panicum virgatum</i>	Switch Grass
<i>Erianthus giganteum</i> (<i>Saccharum giganteum</i>)	Giant Plume Grass
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Sorghastrum nutans</i>	Indian Grass
<i>Tridens flavus</i>	Purple Top
<i>Tripsacum dactyloides</i>	Eastern Gamma Grass
Ferns	
<i>Adiantum pedatum</i>	Maidenhair Fern
<i>Athyrium filix-femina</i>	Southern Lady Fern
<i>Dryopteris marginalis</i>	Marginal Wood Fern
<i>Onoclea struthiopteris</i> (<i>Matteuccia struthiopteris</i>)	Ostrich Fern
<i>Osmundastrum cinnamomeum</i> (<i>Osmunda cinnamomea</i>)	Cinnamon Fern
<i>Osmunda regalis</i>	Royal Fern
<i>Polystichum acrostichoides</i>	Christmas Fern
<i>Thelypteris noveboracensis</i>	New York Fern

[Avenella flexuosa \(Common Hairgrass\) - FSUS \(unc.edu\)](#)

[Elymus hystrix \(Bottle Brush Grass, Bottlebrush Grass\) | North Carolina Extension](#)
[Muhlenbergia capillaris \(Gulf Muhly, Hairgrass, Muhly Grass, Mule Grass, Pink Muhly\)](#)
[Panicum virgatum \(Panic Grass, Panic Grasses, Switchgrass, Switch Grass, Tall Panic Grass\)](#)

[Erianthus giganteus \(Giant Plumegrass, Giant Plume Grass, Sugarcane, Sugarcane\)](#)
[Schizachyrium scoparium \(Little Bluestem, Prairie Beardgrass, Prairie Beardgrass\)](#)
[Sorghastrum nutans \(Indiangrass, Yellow Indiangrass\) | North Carolina Extension](#)

<https://plants.ces.ncsu.edu/plants/tridens-flavus/>

[Tripsacum dactyloides \(Eastern Gamagrass, Fakahatchee grass, Gama Grass\) | North Carolina Extension](#)

[Adiantum pedatum \(Common Maidenhair, Northern Maidenhair, Northern Maidenhair\)](#)
[Athyrium filix-femina \(Common Lady Fern, Lady Fern\) | North Carolina Extension](#)
[Dryopteris marginalis \(Evergreen Woodfern, Leather Wood Fern, Marginal Shag Fern\)](#)

[Onoclea struthiopteris \(Fiddlehead Fern, Ostrich-Feather Fern, Ostrich Fern, Shag Fern\)](#)

[Osmundastrum cinnamomeum \(Cinnamon Fern\) | North Carolina Extension Garden](#)
[Osmunda regalis \(Flowering Fern, Royal Fern\) | North Carolina Extension Garden](#)

[Polystichum acrostichoides \(Christmas Dagger, Christmas Dagger Fern, Christmas Fern\)](#)
[Thelypteris noveboracensis \(New York Fern\) | North Carolina Extension Garden](#)

* Hybrid is resistant to dogwood anthracnose that can infect *Comus florida*.

** Experimental hybrids with a high percentage American chestnut genes now available.

*** Requires treatment to protect from hemlock wooly adelgid.

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[olina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ohn's Wort\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ot, Shrub Yellowroot, Yellowroot, Yellow wort\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[rdener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[, French Mulberry, Sour-bush\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ebush, Sweet Betsy, Sweet Bubby Bush, Sweetshrub, Sweet Shrub\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[rolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ogwood, Swamp Dogwood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[tension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note name change to *F. latifolia*

[r Bark, Smooth Hydrangea, Wild Hydrangea\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[heepkill, Spoonwood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Now *Aronia mealanocarpa* - see above

Now *Aronia arbutifolia* - see above

[rk, Ninebark, Nine Bark\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ener Plant Toolbox \(ncsu.edu\)](#)

Note name change to *R. minus*

[ple Rhododendron, Rose Bay\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[on Gardener Plant Toolbox \(ncsu.edu\)](#)

[alea\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note misspelling on original list

[er Plant Toolbox \(ncsu.edu\)](#)

[ox \(ncsu.edu\)](#)

[erry, Elderberry\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[rolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Arrowwood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[aisin, Wild Raisin\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[mmon Chinquapin, Dwarf Chestnut\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[on Gardener Plant Toolbox \(ncsu.edu\)](#)

[rbush, Mountain Sweet-pepperbush\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Witch Hazel, Witch Hazel, Witch-Hazel\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Swamp Holly\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ion Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[, White Laurel\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[x \(ncsu.edu\)](#)

Should we allow southern Highbush? V.

Formosum

[orth Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[in, Withe-rod, Witherod Viburnum\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[, Plum Leaf Viburnum\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[um, Rusty Nannyberry, Southern Black Haw, Southern Blackhaw Viburnum\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Serviceberry, Service-tree, Shadblow, Shadbush\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[erry, Smooth-leaved serviceberry, Smooth Shadbush\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ner Plant Toolbox \(ncsu.edu\)](#)

[Musclewood, Muscle Wood, Water Beech\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[dbud\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[, Fringe Tree, Grancy Greybeard, Old Man's Beard, Sweetheart Tree, White Fringetree\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Dogwood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[t Toolbox \(ncsu.edu\)](#)

Should we allow hybrids?

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Plant Toolbox \(ncsu.edu\)](#)

Note name change to H. carolina

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[le, Wild Crab, Wild Crabapple\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[abapple\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[cumbertree Magnolia\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[sion Gardener Plant Toolbox \(ncsu.edu\)](#)

[beam, Hop Horn Beam, Ironwood, Leverwood, Wooly Hop hornbeam\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[| North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[\(ncsu.edu\)](#)

[s, White Sassafras\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[| North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Maple\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Water Maple, White Maple\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[e\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[: Hickory, Red Hickory, Swamp Hickory, White Hickory\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Hickory, Small Fruited Hickory, Smoothbark Hickory, Swamp Hickory, Sweet Pignut Hickory, Switch Hickory\) | North Carolina Extension Gardener Plant To](#)

[\(North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[t Hickory, White Hickory\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[Green Elm, Hackberry, Nettle Tree, Northern Hackberry\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Eastern Persimmon, Jove's Fruit, Persimmon, Possum Apples, Possumwood, Simmon, Winter Plum\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[Silver Ash\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[Blackgum, Sweet Gum, Sweetgum Tree\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[American Whitewood, Tulip Poplar, Tulip Tree, Western Poplar, Whitewood, Yellow Poplar, Yellow-Poplar\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Magnolia Tree, Fraser Magnolia, Mountain Magnolia\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Blackgum, Nyssa, Pepperidge, Sour Gum, Tupelo\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Yellow Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Shortleaf Pine, Soft Pine, White Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[Black Gum, Buttonwood, Eastern Sycamore, Sycamore\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[White Oak, Northern White Oak, Oaks, Quebec Oak, White Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[Black Oak, Water Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Black Oak, Northern Red Oak, Oaks, Red Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Basswood, Lime Tree, Linden, White Basswood, White Wood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Black Spruce, Spruce Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note species epitaph misspelled in
appendix

Should we add U. americana hybrids?

[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ne, Trumpet Creeper, Trumpet Vine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Woodbine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[e, Woodbine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[aved Everlasting, Plantain-Leaved Pussytoes, Plantain Pussytoes, Pussytoes\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[| North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Should we remove this and only reference individual species?
Why specify a variety?

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Gardener Plant Toolbox \(ncsu.edu\)](#)

[Gardener Plant Toolbox \(ncsu.edu\)](#)

Many are non-native.

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[-field Broomstraw\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[e\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ker Sedge\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Sedge, Sedges, Seersucker Sedge\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ts, River Oats, Wild Oats, Wood-oat\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

note name change to *Avenella flexuosa*

[on Gardener Plant Toolbox \(ncsu.edu\)](#)

[Fair Grass, Pink Muhly, Pink Muhly Grass, Purple Muhly](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Manic Grass, Thatchgrass, Wild Redtop](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note name change to *E. giganteum*

[ass](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[on Gardener Plant Toolbox \(ncsu.edu\)](#)

[North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[idenhair Fern](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[on Gardener Plant Toolbox \(ncsu.edu\)](#)

[ld Fern, Marginal Woodfern, Marginal Wood Fern](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note name change to *O. struthiopteris*

Note name change to *Osmundastrum cinnamomeum*

[ner Plant Toolbox \(ncsu.edu\)](#)

[as Fern](#) | [North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[ner Plant Toolbox \(ncsu.edu\)](#)

Add *Sitobolium punctilobulum* (hay-scented fern)?

Botanical Name	Common Name	Expected Height	Form	Web page	Notes
Amelanchier arborea	Downy Serviceberry	25	Small to Medium Trees (to approximately 50 ft. tall)	Amelanchier arborea (Alabama Serviceberry, Downy Serviceberry, Juneberries, Servicebe	
Amelanchier laevis	Allegheny Serviceberry	25	Small to Medium Trees (to approximately 50 ft. tall)	Amelanchier laevis (Allegheny Serviceberry, Coastal Plain Serviceberry, June Berry, Smoot	
Asimina triloba	Pawpaw	25	Small to Medium Trees (to approximately 50 ft. tall)	Asimina triloba (Common Pawpaw, Pawpaw) North Carolina Extension Gardener Plant T	
Carpinus caroliniana	American Hornbeam	30	Small to Medium Trees (to approximately 50 ft. tall)	Carpinus caroliniana (American Hornbeam, Blue Beech, Hornbeam, Ironwood, Musclexo	
Cercis canadensis	Redbud	25	Small to Medium Trees (to approximately 50 ft. tall)	Cercis canadensis (American Judas Tree, American Redbud, Eastern Redbud, Redbud) N	
Chionanthus virginicus	Fringetree	25	Small to Medium Trees (to approximately 50 ft. tall)	Chionanthus virginicus (American Fringetree, American Fringe Tree, Fringetree, Fringe Tre	
Cladrastis kentukea	Yellowwood	50	Small to Medium Trees (to approximately 50 ft. tall)	Cladrastis kentukea (American yellowwood, Yellowwood) North Carolina Extension Gar	
Cornus alternifolia	Alternateleaf Dogwood	25	Small to Medium Trees (to approximately 50 ft. tall)	Cornus alternifolia (Alternate-leaf Dogwood, Alternateleaf Dogwood, Pagoda Dogwood) 	
Cornus florida	Flowering Dogwood	25	Small to Medium Trees (to approximately 50 ft. tall)	Cornus florida (Flowering Dogwood) North Carolina Extension Gardener Plant Toolbox (
Cornus kousa x florida*	Chinese x Flowering Dogwood hybrid	25	Small to Medium Trees (to approximately 50 ft. tall)		Should we allow hybrids?
Crataegus phaenopyrum	Washington Hawthorn	25	Small to Medium Trees (to approximately 50 ft. tall)	Crataegus phaenopyrum (Hawthorn, Thornapple, Washington Hawthorn) North Carolin	
Frangula caroliniana	Carolina Buckthorn	35	Small to Medium Trees (to approximately 50 ft. tall)	Frangula caroliniana (Carolina Buckthorn) North Carolina Extension Gardener Plant Tool	

Halesia carolina (H. tetraptera)	Mountain Silverbell	40	Small to Medium Trees (to approximately 50 ft. tall)
Ilex opaca	American Holly	30	Small to Medium Trees (to approximately 50 ft. tall)
Juniperus virginiana	Eastern Red Cedar	50	Small to Medium Trees (to approximately 50 ft. tall)
Malus angustifolia	Southern Crabapple	25	Small to Medium Trees (to approximately 50 ft. tall)
Malus coronaria	Sweet Crabapple	20	Small to Medium Trees (to approximately 50 ft. tall)
Magnolia acuminata	Mountain magnolia	40	Small to Medium Trees (to approximately 50 ft. tall)
Magnolia tripetala	Cucumber Tree	30	Small to Medium Trees (to approximately 50 ft. tall)
Ostrya virginiana	Eastern Hophornbeam	40	Small to Medium Trees (to approximately 50 ft. tall)
Oxydendrum arboreum	Sourwood	30	Small to Medium Trees (to approximately 50 ft. tall)
Prunus americana	American Plum	25	Small to Medium Trees (to approximately 50 ft. tall)

Note
name
change to
H.

[Halesia carolina](#)

[Ilex opaca \(American Holly, Holly, Winterberry\) | North Carolina Extension Gardener Plant](#)

[Juniperus virginiana \(Eastern Redcedar\) | North Carolina Extension Gardener Plant Toolbo](#)

[Malus angustifolia \(Narrowleaf Crab, Narrowleaf Crabapple, Southern Crabapple, Wild Cr](#)

[Malus coronaria \(American Crabapple, Garland Crab, Sweet Crabapple, Wild Crabapple\) |](#)

[Magnolia acuminata \(Cucumber Magnolia, Cucumber Tree, Cucumber-tree, Cucumbertre](#)

[Magnolia tripetala \(Umbrella Magnolia, Umbrella-tree\) | North Carolina Extension Garder](#)

[Ostrya virginiana \(American Hop-hornbeam, Eastern Hop Hornbeam, Hop Hornbeam, Ho](#)

[Oxydendrum arboreum \(Lily of the Valley Tree, Sorrel Tree, Sourwood\) | North Carolina E](#)

[Prunus americana \(American Plum, American Wild Plum, Wild Plum\) | North Carolina Ext](#)

Ptelea trifoliata	Hoptree	20	Small to Medium Trees (to approximately 50 ft. tall)
Robinia viscosa	Clammy Locust	40	Small to Medium Trees (to approximately 50 ft. tall)
Salix sericea	Silky Willow	12	Small to Medium Trees (to approximately 50 ft. tall)
Sassafras albidum	Sassafras	40	Small to Medium Trees (to approximately 50 ft. tall)
Stewartia ovata	Mountain Stewartia	20	Small to Medium Trees (to approximately 50 ft. tall)
Symplocos tinctoria	Horse Sugar	30	Small to Medium Trees (to approximately 50 ft. tall)

[Ptelea trifoliata \(Hoptree, Hop-tree, Stinking Ash, Wafer-ash\) | North Carolina Extension C](#)

[Robinia viscosa \(Clammy Locust\) - FSUS \(unc.edu\)](#)

[Salix sericea \(Silky Willow\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Sassafras albidum \(Cinnamon Wood, Common Sassafras, Mitten Tree, Sassafras, White Sa](#)

[Stewartia ovata \(Mountain Camellia, Mountain Stewartia, Summer Dogwood\) | North Cai](#)

[Symplocos tinctoria \(Horsesugar, Horse-sugar, Sweetleaf\) | North Carolina Extension Garc](#)

[e, Grancy Greybeard, Old Man's Beard, Sweetheart Tree, White Fringetree\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Botanical Name	Common Name	Expected Height	Form	Web page	Notes
Acer negundo	Boxelder	60	Medium to Large Trees (over approximately 50 ft. tall)	Acer negundo (Ash-Leaf Maple, Ashleaf maple, Boxelder, Box elder) North Carolina Extension	
Acer rubrum	Red Maple	70	Medium to Large Trees (over approximately 50 ft. tall)	Acer rubrum (Carolina Maple, Red Maple, Scarlet Maple, Soft Maple, Swamp Maple) North Carolina Extension	
Acer saccharinum	Silver Maple	80	Medium to Large Trees (over approximately 50 ft. tall)	Acer saccharinum (River Maple, Silverleaf Maple, Silver Maple, Swamp Maple, Water Maple) North Carolina Extension	
Acer saccharum	Sugar Maple	80	Medium to Large Trees (over approximately 50 ft. tall)	Acer saccharum (Hard Maple, Leucoderme, Northern Sugar Maple, Sugar Maple) North Carolina Extension	
Aesculus flava	Yellow Buckeye	70	Medium to Large Trees (over approximately 50 ft. tall)	Aesculus flava (Big Buckeye, Sweet Buckeye, Yellow Buckeye) North Carolina Extension	
Betula alleghaniensis	Yellow Birch	75	Medium to Large Trees (over approximately 50 ft. tall)	Betula alleghaniensis (Golden Birch, Swamp Birch, Yellow Birch) North Carolina Extension	
Betula nigra	River Birch	70	Medium to Large Trees (over approximately 50 ft. tall)	Betula nigra (Black Birch, Red Birch, River Birch, Water Birch) North Carolina Extension	
Carya cordiformis	Bitternut Hickory	75	Medium to Large Trees (over approximately 50 ft. tall)	Carya cordiformis (Bitter Hickory, Bitternut, Bitternut Hickory, Bitter Pecan, Pig Hickory, R) North Carolina Extension	
Carya glabra	Pignut Hickory	80	Medium to Large Trees (over approximately 50 ft. tall)	Carya glabra (Broom Hickory, Coast Pignut Hickory, Pignut, Pignut Hickory, Red Hickory, S) North Carolina Extension	
Carya ovata	Shagbark Hickory	75	Medium to Large Trees (over approximately 50 ft. tall)	Carya ovata (Common Shagbark Hickory, Shagbark Hickory) North Carolina Extension	
Carya pallida	Sand Hickory	90	Medium to Large Trees (over approximately 50 ft. tall)	Carya pallida (Pale Hickory, Sand Hickory) North Carolina Extension Gardener Plant Tool	
Carya tomentosa	Mockernut Hickory	85	Medium to Large Trees (over approximately 50 ft. tall)	Carya tomentosa (Big-bud Hickory, Mockernut Hickory, Squarenut, White Heart Hickory,) North Carolina Extension	
Castanea dentata**	American Chestnut	115 (potential)	Medium to Large Trees (over approximately 50 ft. tall)	Castanea dentata (American Chestnut, Chestnut) North Carolina Extension Gardener Pla	

Celtis occidentalis	Hackberry	60	Medium to Large Trees (over approximately 50 ft. tall)
Diospyros virginiana	Persimmon	55	Medium to Large Trees (over approximately 50 ft. tall)
Fagus grandifolia	American Beech	80	Medium to Large Trees (over approximately 50 ft. tall)
Fraxinus americana	White Ash	80	Medium to Large Trees (over approximately 50 ft. tall)
Fraxinus pennsylvanica	Green Ash	80	Medium to Large Trees (over approximately 50 ft. tall)
Juglans nigra	Black Walnut	100	Medium to Large Trees (over approximately 50 ft. tall)
Liquidambar styraciflua	Sweetgum	75	Medium to Large Trees (over approximately 50 ft. tall)
Liriodendron tulipifera	Tuliptree	100	Medium to Large Trees (over approximately 50 ft. tall)
Magnolia fraseri	Umbrella Tree	60	Medium to Large Trees (over approximately 50 ft. tall)
Morus rubra	Red Mulberry	60	Medium to Large Trees (over approximately 50 ft. tall)
Nyssa sylvatica	Black Gum	60	Medium to Large Trees (over approximately 50 ft. tall)

[Celtis occidentalis \(American Hackberry, Beaverwood, Common Hackberry, False Elm, Hackberry\)](#)

[Diospyros virginiana \(American Persimmon, Common Persimmon, Date Plum, Eastern Persimmon\)](#)

[Fagus grandifolia \(American Beech, Beech, Beechnut Tree, Red Beech, Ridge Beech, White Beech\)](#)

[Fraxinus americana \(American Ash, White Ash\) | North Carolina Extension Gardener Plant](#)

[Fraxinus pennsylvanica \(American Ash, Canadian Ash, Green Ash, Red Ash, Water Ash\) | N](#)

[Juglans nigra \(Black Walnut\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Liquidambar styraciflua \(American Sweet Gum, Redgum, Red Sweet Gum, Sweetgum, Sweetwood\)](#)

[Liriodendron tulipifera \(Canary Whitehood, Canoewood, Lyre Tree, North American White\)](#)

[Magnolia fraseri \(Earleaf Cucumber Tree, Earleaf Magnolia, Earleaf Umbrella Tree, Fraser Magnolia\)](#)

[Morus rubra \(Common Mulberry, Mulberry, Red Mulberry\) | North Carolina Extension Ga](#)

[Nyssa sylvatica \(Blackgum, Black Gum, Black Tupelo, Common Tupelo Tree, Cotton Gum, Black Tupelo\)](#)

Pinus echinata	Shortleaf Pine	100	Medium to Large Trees (over approximately 50 ft. tall)
Pinus strobus	Eastern White Pine	80	Medium to Large Trees (over approximately 50 ft. tall)
Pinus virginiana	Virginia Pine	70	Medium to Large Trees (over approximately 50 ft. tall)
Platanus occidentalis	Sycamore	100	Medium to Large Trees (over approximately 50 ft. tall)
Prunus serotina	Black Cherry	80	Medium to Large Trees (over approximately 50 ft. tall)
Quercus alba	White Oak	90	Medium to Large Trees (over approximately 50 ft. tall)
Quercus coccinea	Scarlet Oak	70	Medium to Large Trees (over approximately 50 ft. tall)
Quercus falcata	Southern Red Oak	75	Medium to Large Trees (over approximately 50 ft. tall)
Quercus imbricaria	Shingle Oak	80	Medium to Large Trees (over approximately 50 ft. tall)
Quercus montana	Chestnut Oak	75	Medium to Large Trees (over approximately 50 ft. tall)

[Pinus echinata \(Old-Field Pine, Rosemary Pine, Short-Leaf Pine, Shortleaf Pine, Yellow Pine\)](#)

[Pinus strobus \(Eastern White Pine, North American White Pine, Northern White Pine, Soft Pine\)](#)

[Pinus virginiana \(Jersey Pine, Possum Pine, Scrub Pine, Spruce Pine, Virginia Pine\) | North Carolina Extension Gardener Plant Tool](#)

[Platanus occidentalis \(American Plane Tree, American Sycamore, Buttonball Tree, Buttonwood\)](#)

[Prunus serotina \(Black Cherry, Wild Cherry, Wild Rum Cherry\) | North Carolina Extension Gardener Plant Tool](#)

[Quercus alba \(American White Oak, Eastern White Oak, Forked-leaf White Oak, Northern White Oak\)](#)

[Quercus coccinea \(Black oak, Scarlet oak\) | North Carolina Extension Gardener Plant Tool](#)

[Quercus falcata \(Oaks, Southern Red Oak, Swamp Red Oak, Swamp Spanish Oak, Water Oak\)](#)

[Quercus imbricaria \(Laurel, Oaks, Shingle Oak\) | North Carolina Extension Gardener Plant Tool](#)

[Quercus montana \(Basket Oak, Chestnut Oak, Oaks, Rock Chestnut Oak, Rock Oak\) | North Carolina Extension Gardener Plant Tool](#)

Quercus muehlenbergii	Chinkapin Oak	70	Medium to Large Trees (over approximately 50 ft. tall)
Quercus rubra	Red Oak	75	Medium to Large Trees (over approximately 50 ft. tall)
Quercus stellata	Post Oak	80	Medium to Large Trees (over approximately 50 ft. tall)
Quercus velutina	Black Oak	90	Medium to Large Trees (over approximately 50 ft. tall)
Salix nigra	Black Willow	80	Medium to Large Trees (over approximately 50 ft. tall)
Tilia americana	American Linden or Basswood	80	Medium to Large Trees (over approximately 50 ft. tall)
Tsuga canadensis** *	Eastern Hemlock	90	Medium to Large Trees (over approximately 50 ft. tall)
Tsuga caroliniana** *	Carolina Hemlock	65	Medium to Large Trees (over approximately 50 ft. tall)
Ulmus alata	Winged Elm	80	Medium to Large Trees (over approximately 50 ft. tall)

[Quercus muehlenbergii \(Chinkapin Oak, Chinquapin Oak, Oaks\) | North Carolina Extension](#)

[Quercus rubra \(American Red Oak, Eastern Red Oak, Mountain Red Oak, Northern Red Oak\)](#)

[Quercus stellata \(Oaks, Post Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Quercus velutina \(Black Oak, Eastern Black Oak, Yellow Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Salix nigra \(Black Willow\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

[Tilia americana \(American Basswood, American Linden, Basswood, Bee Tree, Carolina Basswood\)](#)

[Tsuga canadensis \(Canada hemlock, Canadian Hemlock, Eastern Hemlock, Hemlock Spruce\)](#)

Note species epitaph misspelled in [Tsuga caroliniana](#) appendix

Should we add U. americana hybrids?
[Ulmus alata](#)

[Small Fruited Hickory, Smoothbark Hickory, Swamp Hickory, Sweet Pignut Hickory, Switch Hickory](#) | North Carolina Extension Gardener Plant Tool

[rsimmon, Jove's Fruit, Persimmon, Possum Apples, Possumwood, Simmon, Winter Plum\) | North Carolina Extension Gardener Plant Toolbox \(ncsu](#)

[ewood, Tulip Poplar, Tulip Tree, Western Poplar, Whitewood, Yellow Poplar, Yellow-Poplar\) | North Carolina Extension Gardener Plant Toolbox \(n](#)

[box \(ncsu.edu\)](#)

**TOWN OF WEAVERVILLE
TREE BOARD AGENDA ITEM**

MEETING DATE: December 4, 2024
SUBJECT: Tree Inventory
PRESENTER: Chairman Kantner
ATTACHMENTS: 0

DESCRIPTION: Poll Tree Board members

Prioritized goal set by the Tree Board is the importance of conducting a tree inventory. In order to request a budgetary R.F.Q. to move before Town Council as the 2025-26 fiscal year budget review process takes place, we are polling the Tree Board members as to which area to focus first: Main Street Nature Park, Lake Louise, or the Town's rights-of-way.

This inventory will not only enhance our understanding of the local ecosystem but also contribute to improved community wellness of the tree canopy. Trees play a crucial role in air quality, provide habitats for wildlife, and offer recreational opportunities for residents. A thorough inventory will inform our urban forestry management practices, helping us to maintain and enhance the health of our trees, which in turn supports biodiversity and climate resilience in our town.