

**TOWN OF WEAVERVILLE
Tree Board Meeting
Wednesday February 5, 2025, 6:00 p.m.
Agenda**

	Pg	
1. Call to Order		Chairman Kantner
2. Adoption of Agenda	1	Chairman Kantner
3. Approval of Minutes Jan. 8, 2025	2	Chairman Kantner
4. Set Arbor Day date in April	6	Chairman Kantner
5. Continued CODE Chapter 32, Species List- trees and vegetation	7	Chairman Kantner
6. Adjournment		



Tree Board - Jan. 08 2025 Minutes

Wednesday, January 8, 2025 at 6:00 PM

Council Chambers

The Tree Board held a regular meeting on Wednesday, January 8, 2025, at 6:00 p.m. in Town Council Chambers, 30 S. Main Street, Weaverville, N.C.

1. Call to Order

Roll Call

Tree Board Members Present: Chairman Russ Kantner, Pauline Griffith, Inger Stallman Jorgensen, Jeff Colavecchia, Gary Harmon, Caroline Lord, Caleb Hudson.

Absent: Greg Sanfilippo

Staff Present: Town Clerk Tamara Mercer and Planning Director James Eller.

2. Adopt Agenda

Gary Harmon Moved to adopt the agenda.

Carried unanimously.

3. Adopt 2025 Tree Board Meeting Schedule

Chairman Kantner moved to adopt the 2025 Tree Board Meeting Schedule.

Carried unanimously.

4. Approval of Minutes- December 4, 2025

Inger Stallman Jorgensen moved to approve the December 4, 2024 Tree Board meeting minutes.

5. Tree Conservation Regulations, Planning Director Eller

Planning Director Eller presented the Staff report for Section 20-2309 Conservation Subdivision Standards and reviewed the Tree Conservation regulations. The current goals of the Comprehensive Land Use Plan (CLUP), last updated in November 2023, call for the consideration of tree conservation regulations. The goal of considering the tree conservation regulation was also given number 2 (medium) priority within the CLUP giving staff the direction to accomplish or address the stated goal within 24 months. This is recently enacted conservation subdivision standards for large undeveloped or underutilized parcels within municipal borders.

Mr. Eller pointed out that the Planning Department administers the Code of Ordinances for all property owners within the Town limits and the Tree Board addresses the trees on Town owned property such as the Town's parks, and town owned facilities, and public streets rights-of-way.

Current town ordinance requires development of a certain type or scope to comply with landscape regulations. These regulations include the submittal of a landscape plan, landscaping requirements that require at least 5% of the subject property to be landscaped, street tree requirements, and landscaping requirements for off street parking and loading areas. These landscape regulations do provide a credit for existing trees of a certain size to be preserved instead of planting new required trees so there exists a built-in incentive if it is chosen by the property owner. Mr. Eller pointed out that the Planning Board lowered the threshold to 10 lots in order to capture more lots under the tree conservation initiative.

There was a question-and-answer period. In response to Mr. Harmon's question regarding a text amendment implementation, Mr. Eller explained the Town Council timeline, and we expect Town Council to set a public hearing date for February for these proposed regulations.

In response to Mr. Harmon's question regarding landscape plan enforcement, Mr. Eller explained the Land Development Code regulations in the commercial, industrial and business districts, and for residential housing in R-1, R-2, and R-12 multi-family subdivisions, with respect to bonds and performance guarantees are in play for the Town's site plan enforcement upon completion of projects. Upon such completion, the town returns the fees. Mr. Eller further explained the permitting process with respect to Technical Review Committee for infrastructure, administration, engineering, and roadway improvements.

Mr. Eller expounded on parking lots, landscaping and tree islands on commercial projects, with respect to percentage calculations for landscaping and open space requirements in the code. Mr. Eller agreed that an updated tree and landscaping species list is long overdue, and once the proposed Tree Board recommended species list, that submission is put before

the Town Council for final consideration, once approved the suitable species list becomes adopted by ordinance.

Mr. Eller added that in the proposed text amendments are the Planning Board recommendations for lowering the parking space requirements. A decrease of parking spaces could be included for commercial and residential lots and thus allow for more landscape and green space.

6. Continued CODE Chapter 32, Species List trees and vegetation

Tree Board members' deliberations regarding the species list, for large, medium and small trees.

Deliberations regarding Eastern and Carolina Hemlock ensued. Ms. Lord explained the initiative to save the Hemlock trees with pesticide treatments are proving successful. The Tree Board could campaign to educate the public that Hemlock is good for our ecosystem. There was further discussion on the American Elm.

Gary Harmon made a motion to remove the hybrid Cornus kousa or Florida flowering Dogwood, from the species list.

Carried unanimously.

Ms. Stallman pointed out that planting new ash trees is not recommended due to emerald ash borer which feeds on our species of Ash trees.

Inger Stallman Jorgensen made a motion to remove Fraxinus americana, or White Ash and Fraxinus pennsylvania or Green Ash from the species list.

Carried unanimously.

7. RFQ Tree Inventory presentation/review

Mr. Colavecchia submitted the request for quotation for conducting a comprehensive inventory of public trees, develop an urban forest management plan, and provide recommendations for tree conservation, risk management, and long-term sustainability. The project will support data-driven decision-making to enhance urban tree health, mitigate risks, and improve ecological services.

Staff recommends the Tree Board approve the Request for Quote services for tree inventory, first phase to begin at the Lake Louise portion of the Town Park and rights-of-way. This RFQ will need to be brought before Council during their budgetary deliberations process as a request of the Tree Board's Fiscal Year 2025-26 budget item.

After board member review the general consensus to change section 2. Scope of Work under B. diameter from 25 to 30", and Section 6. Evaluation Criteria as follows:

- Experience and expertise in urban forestry and conservation (25%).
- Proposed methodology and innovation (25%).

- Cost and overall value (25%).
- References and past performance (15%).
- Commitment to public engagement and education (10%).

Pauline Griffith made a motion to approve the RFQ with the aforementioned adjustments.

Carried unanimously.

8. Adjournment

Chairman Kantner noted that Arbor Day date and discussion to be addressed at the February meeting.

There being no further business, and without objection, Chairman Kantner adjourned the meeting at 7:35 p.m.

Town Clerk

**TOWN OF WEAVERVILLE
TREE BOARD AGENDA ITEM**

MEETING DATE: February 5, 2025
SUBJECT: Arbor Day Celebration
PRESENTER: Chairman Kantner
ATTACHMENTS: 0

DESCRIPTION: Arbor Day Foundation & Tree City USA

Typically held in April, Tree Board to set date and discuss Arbor Day Celebration program.

**TOWN OF WEAVERVILLE
TREE BOARD AGENDA ITEM**

MEETING DATE: February 5, 2025
SUBJECT: Tree Board Chapter 32 Species List
PRESENTER: Chairman Kantner
ATTACHMENTS: **reference** excel spreadsheet, due to data base size and format, the full document is not attached here

DESCRIPTION: Tree Board to conduct review of species list

Continued from January 8, 2025 meeting, the species plant list revision.

Weaverville approved plants list from Chapter 32, vegetation has been assigned to various Tree Board members for individual review. Their recommendations to be brought before the Board for further deliberations.

On 12/4/2024 the species list was 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.

On 1/8/2025 The Tree Board carried out deliberations regarding the large, medium and small trees on the species list. To recap the actions taken and recorded in the minutes:

Gary Harmon made a motion to remove the hybrid Cornus kousa or Florida flowering Dogwood, from the species list. Carried unanimously.

Inger Stallman Jorgensen made a motion to remove Fraxinus americana, or White Ash and Fraxinus pennsylvanica or Green Ash from the species list. Carried unanimously.

To Be Continued: plants, small, medium, tall shrubs, ground covers, vines, grasses & sedges, ferns.

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>Diervilla sessilifolia</i>	Southern Bush Honeysuckle	5
<i>Fothergilla gardenii</i>	Dwarf Witchalder	4
<i>Hypericum frondosum</i>	Cedarglade St. Johnswort	3
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	4
<i>Leucothoe fontanesiana</i>	doghobble	3'
<i>Rhus aromatica</i>	Fragrant Sumac	4'
<i>Xanthorrhiza 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>Clethra alnifolia</i>	<i>Clethra alnifolia</i>	10'
<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> (F. major)	Mountain Witchalder	6
<i>Hydrangea arborescens</i>	Wild Hydrangea	6
<i>Hypericum densiflorum</i>	Bushy St. Johnswort	6
<i>Ilex glabra</i>	Inkberry holly	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> (R. carolinianum)	Carolina Rhododendron	6
<i>Rhododendron catawbiense</i>	Catawba Rhododendron	8
<i>Rhododendron cumberlandense</i>	Cumberland Azalea	8
<i>Rhododendron periclymenoides</i>	Pinxterbloom	8

[Ceanothus americanus \(Mountain Snowbell, New Jersey Tea\) | North Carolina Extension Gardening Handbook](#)

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

[Southern Bush Honeysuckle](#)

[Fothergilla gardenii \(Coastal Witch alder, Dwarf Fothergilla\) | North Carolina Extension Gardening Handbook](#)

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

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

<https://plants.ces.ncsu.edu/plants/leucothoe-fontanesiana>

<https://plants.ces.ncsu.edu/plants/rhus-aromatica/>

[Xanthorrhiza simplicissima \(Brook-feather, Parsley-leaved Yellowroot, Scurvyroot\) | North Carolina Extension Gardening Handbook](#)

[Aronia arbutifolia \(Chokeberry, Red Chokeberry\) | North Carolina Extension Gardening Handbook](#)

[Aronia melanocarpa \(Black Berried Aronia, Black Chokeberry\) | North Carolina Extension Gardening Handbook](#)

[Callicarpa americana \(American Beautyberry, American Mulberry, Beautyberry\) | North Carolina Extension Gardening Handbook](#)

[Calycanthus floridus \(Bubby Bush, Carolina Allspice, Common Sweetshrub, Spicebush\) | North Carolina Extension Gardening Handbook](#)

[Clethra alnifolia / Sweet Pepperbush](#)

[Corylus americana \(American Filbert, American Hazelnut, Hazelnut\) | North Carolina Extension Gardening Handbook](#)

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

[Euonymus americanus \(Hearts A'busting, Strawberry Bush\) | North Carolina Extension Gardening Handbook](#)

[Fothergilla latifolia \(Large Fothergilla, Large Witch-alder\) | North Carolina Extension Gardening Handbook](#)

[Hydrangea arborescens \(Hills of Snow, Hortensia, Hydrangea, Sevenbark, Sevenoak\) | North Carolina Extension Gardening Handbook](#)

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

[Inkberry Holly](#)

[Itea virginica \(Itea, Virginia Sweetspire, Virginia Sweet Spire, Virginia Willow\) | North Carolina Extension Gardening Handbook](#)

[Kalmia latifolia \(Calico Bush, Ivy Bush, Laurel, Mountain Ivy, Mountain Laurel, Sassafras\) | North Carolina Extension Gardening Handbook](#)

[Lindera benzoin \(Northern Spicebush, Spicebush, Spice Bush\) | North Carolina Extension Gardening Handbook](#)

Now *Aronia melanocarpa* - see above

Now *Aronia arbutifolia* - see above

[Physocarpus opulifolius \(Atlantic Ninebark, Common Ninebark, Eastern Ninebark\) | North Carolina Extension Gardening Handbook](#)

[Rhododendron calendulaceum \(Flame Azalea\) | North Carolina Extension Gardening Handbook](#)

[Rhododendron minus \(Carolina Rhododendron, Dwarf Rhododendron, Minus, Carolina Azalea\) | North Carolina Extension Gardening Handbook](#)

[Rhododendron catawbiense \(Catawba Rhododendron, Mountain Rosebay, Purple Mountain Laurel\) | North Carolina Extension Gardening Handbook](#)

[Rhododendron cumberlandense \(Cumberland Azalea\) | North Carolina Extension Gardening Handbook](#)

[Rhododendron periclymenoides \(Pinxterbloom Azalea, Pinxter Flower, Wild Azalea\) | North Carolina Extension Gardening Handbook](#)

<i>Rhus copallinum</i> (R. copallina)	Shining Sumac	8
<i>Rosa carolina</i>	Carolina Rose	5
<i>Rosa palustris</i>	Swamp Rose	8
<i>Sambucus canadensis</i>	Elderberry	10
<i>Spiraea virginiana</i>	Virginia Meadowsweet	8
<i>Spiraea tomentosa</i>	Steeplebush	4'
<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

[Rhus copallinum](#) (Dwarf Sumac, Flameleaf Sumac, Shining Sumac, Winged Sumac) | [North Carolina Extension Garden](#)

[Rosa carolina](#) (Carolina Rose, Pasture Rose) | [North Carolina Extension Garden](#)

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

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

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

<https://plants.ces.ncsu.edu/plants/spiraea-tomentosa/>

[Viburnum acerifolium](#) (Maple Leaf Viburnum, Mapleleaf Viburnum) | [North Ca](#)

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

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

[Alnus serrulata](#) (Alder, Hazel Alder, Smooth Alder, Tag Alder) | [North Carolina f](#)

[Castanea pumila](#) (Allegheny Chinquapin, American Chinquapin, Chinquapin, Co

[Cephalanthus occidentalis](#) (Buttonbush, Button Bush) | [North Carolina Extensio](#)

[Clethra acuminata](#) (Cinnamonbark Clethra, Cinnamon Clethra, Mountain Pepp

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

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

[Ilex montana](#) (Mountain Holly, Mountain Winterberry) | [North Carolina Extens](#)

[Lindera benzoin](#) (Northern Spicebush, Spicebush, Spice Bush) | [North Carolina](#)

[Prunus virginiana](#) (Chokecherry, Choke Cherry, Common Chokecherry) | [North](#)

[Rhododendron arborescens](#) (Smooth Azalea, Sweet Azalea) | [North Carolina Ex](#)

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

[Rhododendron vaseyi](#) (Pinkshell Azalea) | [North Carolina Extension Gardener P](#)

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

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

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

[Vaccinium corymbosum](#) (Highbush Blueberry, Smooth Highbush Blueberry) | [N](#)

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

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

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

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

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

[Asimina triloba](#) (Common Pawpaw, Pawpaw) | [North Carolina Extension Garde](#)

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

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

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

[Chionanthus virginicus](#) (American Fringetree, American Fringe Tree, Fringetree)
[Cladrastis kentukea](#) (American yellowwood, Yellowwood) | North Carolina Extension Gardener Plant Toolbox
[Cornus alternifolia](#) (Alternate-leaf Dogwood, Alternateleaf Dogwood, Pagoda Dogwood)
[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)
[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)
[Malus coronaria](#) (American Crabapple, Garland Crab, Sweet Crabapple, Wild Crabapple)
[Magnolia acuminata](#) (Cucumber Magnolia, Cucumber Tree, Cucumber-tree, Cucumber Tree)
[Magnolia tripetala](#) (Umbrella Magnolia, Umbrella-tree) | North Carolina Extension Gardener Plant Toolbox
[Ostrya virginiana](#) (American Hop-hornbeam, Eastern Hop Hornbeam, Hop Hornbeam)
[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)
[Stewartia ovata](#) (Mountain Camellia, Mountain Stewartia, Summer Dogwood)
[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)
[Acer saccharinum](#) (River Maple, Silverleaf Maple, Silver Maple, Swamp Maple)
[Acer saccharum](#) (Hard Maple, Leucoderme, Northern Sugar Maple, Sugar Maple)
[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)
[Carya glabra](#) (Broom Hickory, Coast Pignut Hickory, Pignut, Pignut Hickory, Red Pignut)
[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

<i>Carya tomentosa</i>	Mockernut Hickory	85
<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

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

[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 \(American Persimmon, Common Persimmon, Date Plum, Ironwood\)](#) | 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 \(Canary Whitehood, Canoewood, Lyre Tree, North American Tuliptree\)](#) | 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 \(Blackgum, Black Gum, Black Tupelo, Common Tupelo Tree, Coffee Tree\)](#) | North Carolina Extension Gardener Plant Toolbox

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

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

[Bignonia capreolata \(Crossvine, Cross-Vine, Trumpet Flower\)](#) | North Carolina Extension Gardener Plant Toolbox

<i>Campsis radicans</i>	Trumpet Flower
<i>Clematis virginiana</i>	Clematis (Virgin's Bower)
<i>Lonicera sempervirens</i>	Coral Honeysuckle
<i>Passiflora Lutea</i>	Eastern Yellow Passionflower
<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
<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

[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, ')
[Lonicera sempervirens](#) (Coral Honeysuckle, Honeysuckle, Trumpet Honeysuckle)
[Passiflora lutea](#)

[Parthenocissus quinquefolia](#) (Virginia Creeper, Virginia-creeper, Woodbine) | N
[Wisteria frutescens](#) (American Wisteria, Kentucky Wisteria, Texas Wisteria) | N

[Antennaria plantaginifolia](#) (Everlasting, Ladies' Tabacco, Mouse Ear, Plantain-Le
[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 Garde
[Iris cristata](#) (Crested Iris, Dwarf Crested Iris, Iris) | North Carolina Extension Gar
[Meehania cordata](#) (Meehania) - FSUS (unc.edu)

[Pachysandra procumbens](#) (Allegheny Spurge, Mountain Pachysandra) | North C
[Phlox stolonifera](#) (Creeping Phlox, Star Rock Phlox) | North Carolina Extension
[Tiarella cordifolia](#) (False Miterwort, Foamflower) | North Carolina Extension Ga

[Andropogon gerardii](#) (Big Bluestem, Bluestem, Broomsedge, Turkey Foot) | No
[Andropogon virginicus](#) (Beard Grass, Bluestem, Broomsedge, Broomstraw, Old
[Arundinaria gigantea](#) (Canebreak Bamboo, Giant Cane, River Cane) | North Car
[Carex flaccosperma](#) (Blue Wood Sedge, Meadow Sedge, Sedges, Thinfruit Sedg
[Carex platyphylla](#) (Broad Leaf Sedge, Sedges, Silver Sedge) | North Carolina Ext
[Carex plantaginea](#) (Broad-leafed Sedge, Plantain-leafed Sedge, Sedges, Seersuc
[Carex stricta](#) (Tussock Sedge) - FSUS (unc.edu)

[Carex pensylvanica](#) (Oak Sedge, Pennsylvania Sedge, Plantainleaf Sedge, Rush,
[Carex appalachica](#) (Appalachian Sedge) - FSUS (unc.edu)

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

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

[Elymus hystrix](#) (Bottle Brush Grass, Bottlebrush Grass) | North Carolina Extensi

[Muhlenbergia capillaris](#) (Gulf Muhly, Hairgrass, Muhly Grass, Mule Grass, Pink I
[Panicum virgatum](#) (Panic Grass, Panic Grasses, Switchgrass, Switch Grass, Tall P

[Erianthus giganteus](#) (Giant Plumegrass, Giant Plume Grass, Sugarcane, Sugarca
[Schizachyrium scoparium](#) (Little Bluestem, Prairie Beardgrass, Prairie Beard Gr

<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 carthusiana</i>	Shield fern
<i>Dryopteris filix-mas</i>	Male fern
<i>Dryopteris marginalis</i>	Marginal Wood Fern
<i>Onoclea sensibilis</i>	Sensitive 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
<i>Sitobolium punctilobulum</i>	Hay scented fern

[Sorghastrum nutans \(Indiangrass, Yellow Indiangrass\) | North Carolina Extension](#)
<https://plants.ces.ncsu.edu/plants/tridens-flavus/>
[Tripsacum dactyloides \(Eastern Gamagrass, Fakahatchee grass, Gama Grass\) |](#)

[Adiantum pedatum \(Common Maidenhair, Northern Maidenhair, Northern Ma](#)
[Athyrium filix-femina \(Common Lady Fern, Lady Fern\) | North Carolina Extension](#)

[Shield Fern](#)

[Male Fern](#)

[Dryopteris marginalis \(Evergreen Woodfern, Leather Wood Fern, Marginal Shie](#)
[Sensitive Fern](#)

[Onoclea struthiopteris \(Fiddlehead Fern, Ostrich-Feather Fern, Ostrich Fern, Sh](#)
[Osmundastrum cinnamomeum \(Cinnamon Fern\) | North Carolina Extension Ga](#)

[Osmunda regalis \(Flowering Fern, Royal Fern\) | North Carolina Extension Gard](#)
[Polystichum acrostichoides \(Christmas Dagger, Christmas Dagger Fern, Christm](#)

[Thelypteris noveboracensis \(New York Fern\) | North Carolina Extension Garder](#)
[Hay Scented Fern](#)

* 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.

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~~[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*

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

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

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

Now *Aronia melanocarpa* - 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 \(ncsu.edu\)](#)

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

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

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

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

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

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

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

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

Should we allow southern Highbush? V.

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

Should we allow hybrids?
[rth Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Plant Toolbox \(ncsu.edu\)](#)

Note name change to *H. carolina*
[dener Plant Toolbox \(ncsu.edu\)](#)
[lant 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 \(ncsu.edu\)](#)

[rbeam, Hop Horn Beam, Ironwood, Leverwood, Woolly Hop hornbeam\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[i Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[arolina 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 \(ncsu.edu\)](#)

[arolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[4apple\) | 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 \(ncsu.edu\)](#)
[ra 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](#)
[tension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Plant Toolbox \(ncsu.edu\)](#)

[t Hickory, White Hickory\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ardener Plant Toolbox \(ncsu.edu\)](#)
[se 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](#)
[eech, White Beech\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[dener Plant Toolbox \(ncsu.edu\)](#)
[ter Ash\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[x \(ncsu.edu\)](#)
[etgum, Sweet Gum, Sweetgum Tree\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[rican Whitewood, Tulip Poplar, Tulip Tree, Western Poplar, Whitewood, Yellow Poplar, Yellow-Poplar\) | North Carolina Extension Gardener Plant Toolk](#)
[ree, Fraser Magnolia, Mountain Magnolia\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[tension Gardener Plant Toolbox \(ncsu.edu\)](#)
[tton Gum, Nyssa, Pepperidge, Sour Gum, Tupelo\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Yellow Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[e Pine, Soft Pine, White Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ie\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ee, Buttonwood, Eastern Sycamore, Sycamore\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[; Northern White Oak, Oaks, Quebec Oak, White Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[Plant Toolbox \(ncsu.edu\)](#)
[k, Water Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[lener Plant Toolbox \(ncsu.edu\)](#)
[Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[a Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ern Red Oak, Oaks, Red Oak\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[oolbox \(ncsu.edu\)](#)
[xtension Gardener Plant Toolbox \(ncsu.edu\)](#)
[ncsu.edu\)](#)
[arolina Basswood, Lime Tree, Linden, White Basswood, White Wood\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)
[lock Spruce, Spruce Pine\) | North Carolina Extension Gardener Plant Toolbox \(ncsu.edu\)](#)

Note species epitaph misspelled in
Should we add U. ameicana 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 \(ncsu.edu\)](#)

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

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

Many are non-native.

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

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

note name change to *Avenella flexuosa*
[on Gardener Plant Toolbox \(ncsu.edu\)](#)

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

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

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

[Wild 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*

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

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

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

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