

**10 maybe 12 “Great” Trees:  
Assuming there is no “Perfect Tree”**

**Win Dunwell**

**September 2, 2020**

<https://nursery-crop-extension.ca.uky.edu/ukrec-nursery-crops/>





















Complaints lead to removal of soil and gravel and filled with topsoil.



A photograph of a dirt area, possibly a construction site or a cleared area. The ground is light brown and sandy, with some small rocks and debris scattered around. A bright red strip of material, possibly a tarp or a piece of fabric, is visible on the left side. In the center, there is a piece of wood or a stick lying horizontally. The text "Sod was laid over this" is overlaid on the image in a bold, black, serif font.

**Sod was laid over this**





**Compaction lead to  
stress on Kiowa  
Crapemyrtle**





**MICHAEL A. DIRR &  
KEITH S. WARREN**

# **THE TREE BOOK**

**SUPERIOR SELECTIONS FOR LANDSCAPES,  
STREETSCAPES, AND GARDENS**



"Tallamy is one of the most original and persuasive present-day authors on conservation."

—EDWARD O. WILSON, University Research Professor Emeritus, Harvard University



# NATURE'S BEST HOPE

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A New Approach  
to Conservation That  
Starts in Your Yard

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DOUGLAS W. TALLAMY

bestselling author of *Bringing Nature Home*



# **Nursery and Landscape Insider**

<https://www.growertalks.com/Newsletters/View/?article=3269>

## **The Use of a Standardized Set of Terms to Describe Plant Disease Resistance in Environmental Horticulture**

<https://www.hriresearch.org/sites/default/files/TerminologyWhitePaper-AH-HRI.pdf>



*Aesculus flava* – the yellow buckeye

*A. glabra* – Ohio Buckeye

*Carya illinoensis* – Northern or Hardy Pecan

*Cedrus libani* subsp. *stenocoma* – Hardy Cedar of Lebanon

*Gymnocladus dioica* – Kentucky Coffee Tree

*Juniperus* spp.

*Nyssa sylvatica* ‘Wildfire’ – Blackgum

*Plantanus x acerifolia* ‘Suttneri’

*Prunus mume* – Japanese apricot

*Pseudolarix kaempferi* – Golden Larch

*Quercus alba* – White Oak

*Zelkova serrata* – Zelkova



# Resources

**Ohio Buckeye** <https://www.uky.edu/hort/Ohio-Buckeye>

**Michael A. Dirr and Keith S. Warren. The Tree Book: Superior Selections for Landscapes, Streetscapes, and Gardens. (Timber Press, 2019)**

**Michael Dirr - Manual of Woody Landscape Plants: (6th Edition) The bible of the Nursery/Landscape industry and gardeners alike (Stipes Publishing, 2009)**





*Xylella fastidiosa*  
Bacterial Leaf Scorch on pin oak



**TABLE 2.** TREE SPECIES THAT HAVE NOT YET BEEN AFFECTED BY BACTERIAL LEAF SCORCH

<b>Family or group</b>	<b>Common name</b>	<b>Scientific name</b>
Alder	European black alder	<i>Alnus glutinosa</i> , and cultivars
Ash	Blue Ash	<i>Fraxinus quadrangulata</i>
	White ash	<i>F. americana</i> and cultivars
	Green ash	<i>F. pennsylvanica</i> and cultivars <sup>1</sup>
Black gum	Tupelo	<i>Nyssa sylvatica</i>
Buckeye	Yellow buckeye	<i>Aesculus flava</i>
Beech	European beech	<i>Fagus sylvatica</i> and cultivars
Catalpa	Northern catalpa	<i>Catalpa speciosa</i>
Coffeetree	Kentucky Coffeetree	<i>Gymnocladus dioicus</i> and fruitless male cultivars
Cork tree	Amur cork tree	<i>Phellodendron amurense</i> and fruitless male cultivars
Elm	Lacebark or Chinese elm	<i>Ulmus parvifolia</i> <sup>2</sup>
Hackberry	Sugar hackberry	<i>Celtis laevigata</i> <sup>3</sup>
Hickory	Shagbark hickory	<i>Carya ovata</i>
	Shellbark hickory	<i>C. laciniosa</i>
	Pignut hickory	<i>C. glabra</i>
Katsura	Katsuratree	<i>Cercidophyllum japonicum</i>
Linden	American linden	<i>Tilia americana</i>
	Littleleaf linden	<i>T. cordata</i>
Magnolia	Cucumbertree	<i>Magnolia acuminata</i>
Maple	Black maple	<i>Acer saccharum</i> subsp. <i>nigrum</i> <sup>4</sup>
Oak	Chinkapin oak	<i>Quercus muehlenbergii</i> <sup>5</sup>
	Sawtooth oak	<i>Q. acutissima</i>
Osage-Orange	Hedge-apple	<i>Maclura pomifera</i> and fruitless male cultivars
Sassafras	Common sassafras	<i>Sassafras albidum</i>
Tulip poplar	Tuliptree	<i>Liriodendron tulipifera</i>
Zelkova	Japanese zelkova	<i>Zelkova serrata</i> and cultivars

Bacterial Leaf Scorch  
By John Hartman  
PPFS-OR-W-12 2007



*Aesculus flava*  
Yellow Buckeye





*Aesculus flava*  
**Yellow Buckeye**







*Aesculus flava*  
**Yellow Buckeye**



**Tiger Swallow Tail**



*Aesculus glabra*  
Ohio Buckeye (LBL)



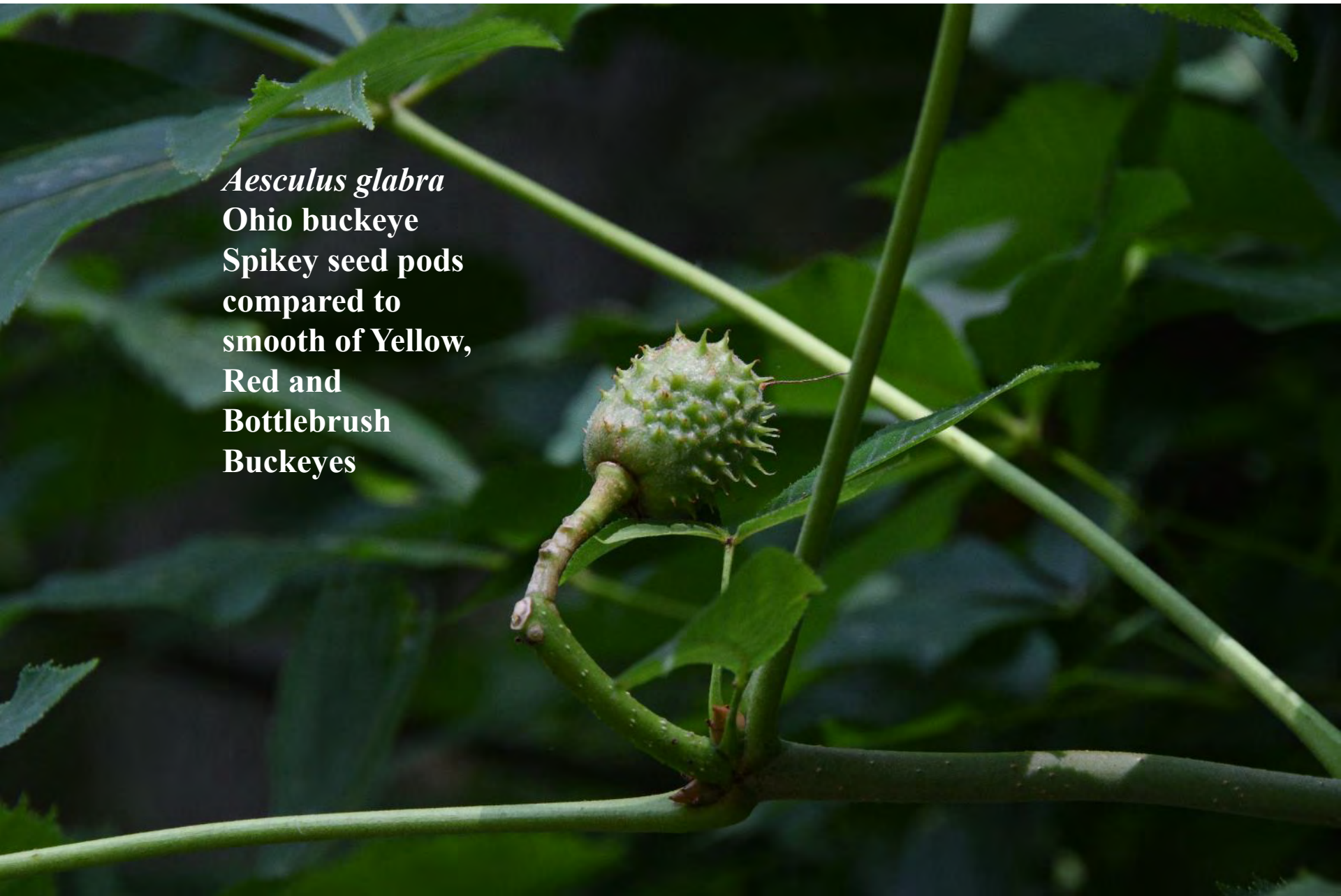




*Aesculus flava*  
**Yellow Buckeye**

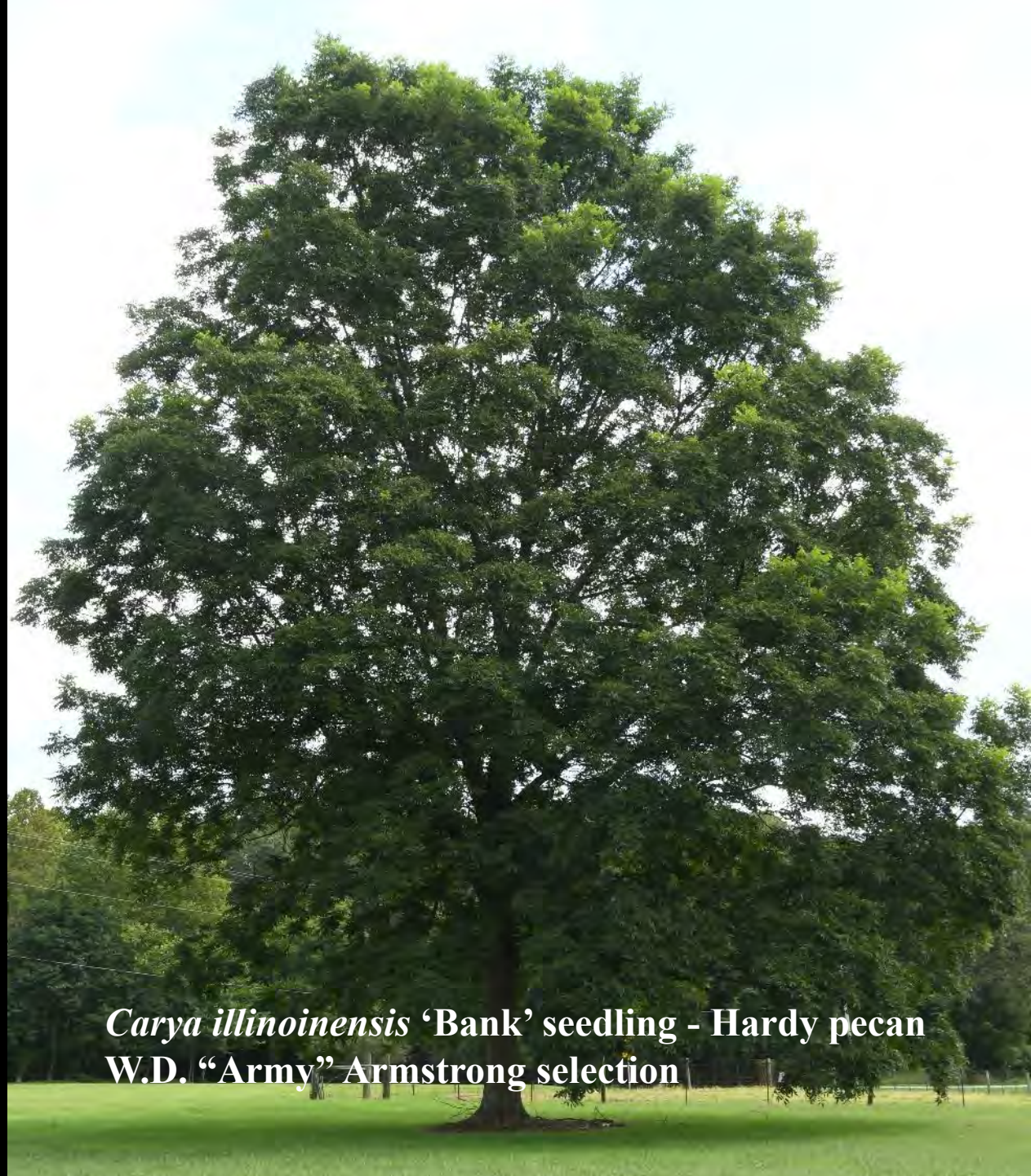


*Aesculus glabra*  
Ohio buckeye  
Spikey seed pods  
compared to  
smooth of Yellow,  
Red and  
Bottlebrush  
Buckeyes





Dirr describes as too  
large for street tree use.



*Carya illinoensis* 'Bank' seedling - Hardy pecan  
W.D. "Army" Armstrong selection

















*Cedrus libani*  
Château de Chenonceau  
Loire Valley, France



*Cedrus libani* subsp. *stenocomma* -  
Hardy Cedar of Lebanon UKREC

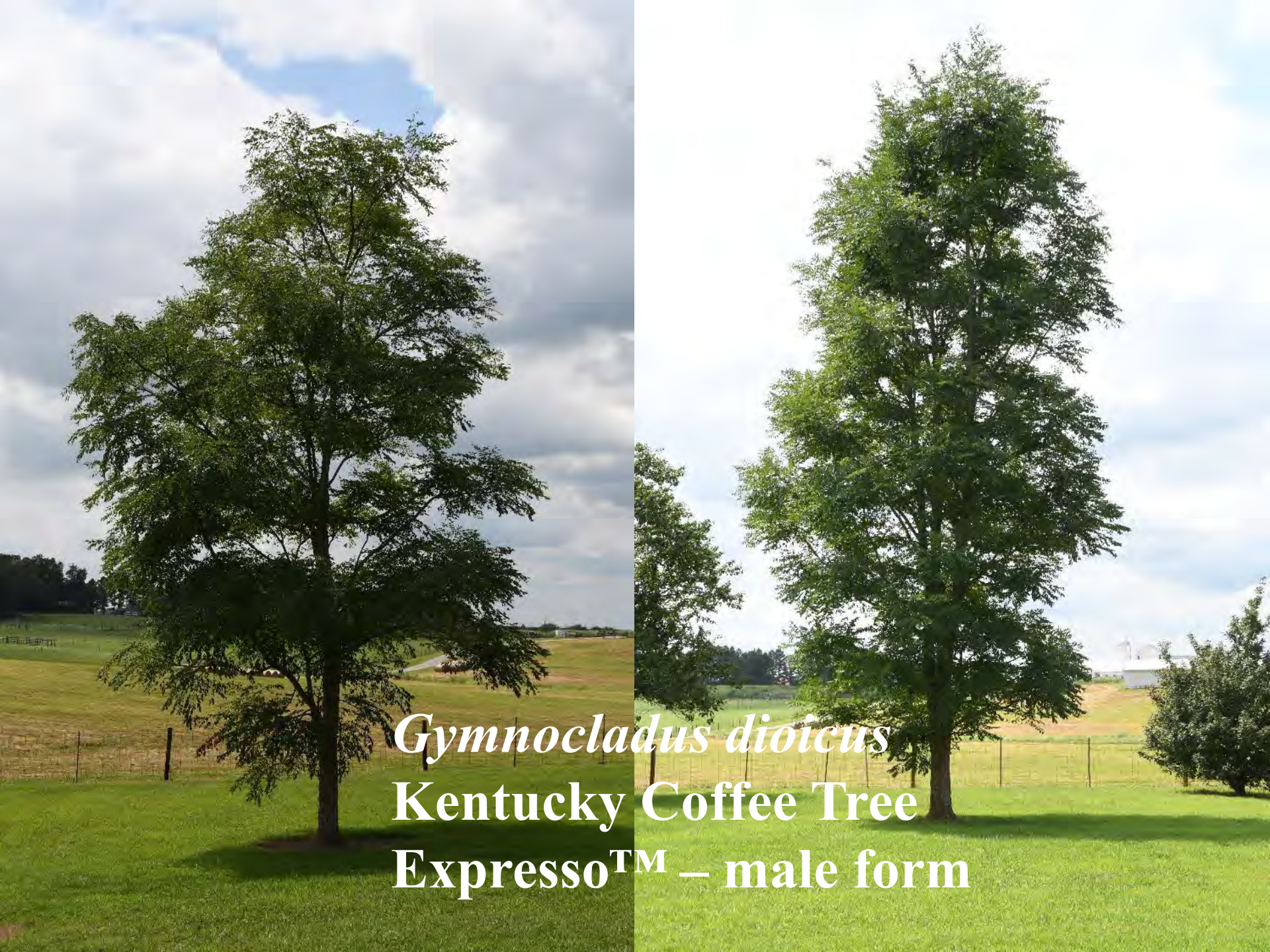




*Cedrus libani* subsp. *stenocoma* -  
**Hardy Cedar of Lebanon**







*Gymnocladus dioica*  
Kentucky Coffee Tree  
Espresso™ – male form





*Juniper virginiana* 'Taylor'





*Juniper virginiana*  
**‘Greenpoint’**

*J. virginiana* has a  
coarse root system that  
makes it difficult to  
transplant from B&B,  
buy container-grown.







**North Pole®**

**Morgan**

**Degroot's Spire**

**Greenpoint**

2019-2020 The worst arborvitae winter browning we have ever seen at UKREC





**North Pole®**

**Morgan**

**Degroot's Spire**

**Greenpoint**

**Starpower**





*Nyssa sylvatica* 'Wildfire'





SUTNER  
LONDON PLANETREE  
PLATANUS X ACERIFOLIA  
'SUTNERI'

Mike Hayman at Whitehall

*Platanus x acerifolia* 'Suttneri'





*Plantanus x acerifolia* 'Suttneri'





*Plantanus x acerifolia* 'Suttneri'







*Quercus alba*





*Quercus alba*





*Quercus alba*



*Quercus 'Nadler'* – Kindred Spirit



A close-up photograph of a branch of a white oak tree (Quercus alba). The image shows several large, green, deeply lobed leaves with prominent veins. In the center, two green acorns are visible, each with a textured, light-colored cupule. The background is a soft-focus view of more leaves and branches, suggesting a dense canopy.

*Quercus alba*



*Prunus mume* 'Kobai'



*Prunus mume* 'Pink Glow'







*Pseudolarix kaempferi*  
Golden Larch



A large, mature Golden Larch tree with a thick, textured trunk and numerous spreading branches. The tree is situated in a grassy field, and its shadow is cast on the ground. The background shows a dense forest of green trees under a bright sky.

*Pseudolarix kaempferi*  
Golden Larch





*Zelkova serrata* - Zelkova





*Zelkova serrata* - Zelkova







*Carpinus betulus* 'Vienna Weeper'

A gift from Kathy Keeney and Purchase Area Master Gardeners for speaking at Garden Gurus as a small 1' graft has done well : )





## **Next time maybe? Other Landscape Trees**

***Abies Nordmanniana* – Nordman Fir**

***A. cilicia* – Cilician Fir**

***Asimina triloba* – common Paw Paw**

***Carya ovata* – shagbark hickory**

***Cercis canadensis* CVs – Redbuds**

***Cladrastis kentukea* – Kentucky yellowwood**

***Clethra barbinervis* – Japanese clethra**

***Euscypis japonica* – Sweetheart Tree**

***Liriodendron tulipifera* - Tuliptree**

***Maackia amurensis* – Amur maackia**

***Parrotia persica* – Parrotia**

***P. subaequalis***