

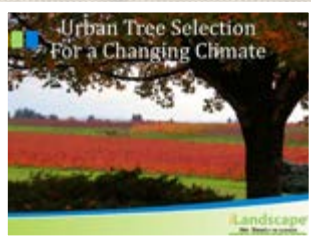
Urban Tree Selection... ...For a Changing Climate

iLandscape | The Illinois Landscape Show
February 3, 2017 | Schaumburg, Illinois
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Long-range climate projections confirm what many urban tree managers already know. A general trend toward a hotter, drier climate will be accompanied by temperature extremes and severe weather events including windstorms, heavy rains and flooding, and periods of severe drought.

An important step in choosing climate-resilient trees is to identify species that have already proven adaptable across a wide range of growing conditions, and are said to demonstrate "phenotypic plasticity." Planting a diverse mix of adaptable, resilient species and cultivars is essential to future urban forest health.

Future urban forest health depends on identifying and planting these broadly adapted, climate resilient trees. Among promising species are Oak, Elm, Kentucky Coffee Tree, Tulip Tree, Maple and Bald Cypress.



Click here to download a copy of the presentation.



http://jfss.co/JFS_iLand_2017

Use this address to download this handout which includes links to photos and downloadable fact sheets for each of the featured trees and important resources on the reverse..

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Redpointe® Maple
Flashfire® Maple
Crimson Sunset® Maple
Native Flame® Amer. Hornbeam
Rising Fire™ Amer. Hornbeam
Northern Catalpa
Heartland® Catalpa
Prairie Sentinel® Hackberry
Yellowwood
Turkish Hazel
Presidential Gold® Ginkgo
Espresso™ Kentucky Coffee Tree
Emerald City® Tulip Tree
White Shield Osage Orange
Royal Raindrops® Crabapple
Afterburner® Tupelo
Vanessa Persian Parrotia
Exclamation!® Planetree
Swamp White Oak
Crimson Spire™ Oak
American Dream® Oak
Urban Pinnacle® Oak
Heritage® Oak
Cobblestone® Oak
Prairie Stature™ Oak
Forest Knight® Oak
Streetspire® Oak
Skinny Genes® Oak
Beacon® Oak
Chestnut Oak
Shawnee Brave™ Bald Cypress
Emerald Sunshine® Elm
Colonial Spirit® Elm
Jefferson Elm
Prairie Expedition® Elm

Climate Change Resources and Tree Selection Information

Reference Guide

Our reference guide is available at this link: <http://www.jfschmidt.com/rg>

New Trees

Trees introduced since the publication of our most recent Reference Guide are available for download at this link: <http://www.jfschmidt.com/newtrees>

PDF Data Sheets

Download informative and colorful PDF data sheets many of our varieties and cultivars at this link: <http://www.jfschmidt.com/pdfs>.

Facebook Page

Become a fan of JFS on Facebook. "Like" us by visiting <http://www.facebook.com/jfstrees> News, events and photos are posted throughout the year.

Stock Available Articles

PDF copies of articles published in our newsprint stock available lists can be downloaded from <http://www.jfschmidt.com/clippings>.

Trees are the Answer

www.TreesAreTheAnswer.info is your go-to resource for helping you and your customers choose, grow and care for trees. Dozens of links posted here will guide you to sites that will help you leverage the value of trees and give you an inside track to news and information about trees.

Climate Change Resource Center (USFS)

USFS site focus is on forests, but general climate change information pertains to urban forest management. <http://www.fs.fed.us/climatechange/>

Dr. Bert Cregg | Michigan State University

Ornamental and Landscape Ecology program research areas include urban forest species diversity, recommended ash replacements and urban tree selection for a changing climate. <http://www.hrt.msu.edu/bert-cregg>

Variety Specific Websites

These widely planted cultivars are proving their adaptability and climate resilience by being planted across a wide range of climate zones and growing conditions. Photos, testimonials and local sources are featured.

Variety	website	Facebook
Redpointe® Maple	www.redpointemaple.com	facebook.com/redpointe
Crimson Sunset® Maple	www.crimsonssunsetmaple.com	facebook.com/crimsonssunsetmaple
Royal Raindrops® Crabapple	www.royalraindrops.com	facebook.com/royalraindrops
Crimson Spire™ Oak	www.crimsonspire.com	facebook.com/crimsonspire
Emerald Sunshine® Elm	www.emeraldsunshineelm.com	facebook.com/EmeraldSunshineElm

Urban Forests and Climate Change

Climate Change Resource Center (USFS)

Recommended reading, a roundup of USFS research, useful tools and links. <https://www.fs.usda.gov/ccrc/topics/urban-forests-and-climate-change>

Dr. Greg McPherson

Urban Ecosystems and Social Dynamics

See: Evaluation of seven drought tolerant tree species for central California <http://www.fs.fed.us/psw/programs/uesd/uep/>

Trees for 2050 | Chicago Botanic Garden

Urban Forest Adaptive Planting List results from Evaluation of CBG Collection (See Adaptive Tree List – Alternatives for the future) http://www.chicagobotanic.org/plantinfo/tree_alternatives

The Center for Tree Science | Morton Arboretum

Collaborative study of the Chicago region oak ecosystem is underway. <http://www.mortonarb.org/science-conservation/center-tree-science-securing-future-trees>

Trees for the 21st Century | Friends of Trees

Friends of Trees describes in a three-part blog series the Oregon non-profit's efforts to plant and evaluate trees for future resilience to climate change. <http://friendsoftrees.org/blog/2013/06/17/climate-trees-trees-for-the-21st-century-part-1/>

Impact of Climate Change on Urban Tree Species Selection | Philadelphia

A case study in Philadelphia is the basis for research presented in the Journal of Forestry; suggests a method for assessing the suitability of urban tree species for predicted future climates. https://www.researchgate.net/publication/233497862_Assessing_the_Impact_of_Climate_Change_on_Urban_Tree_Species_Selection_A_Case_Study_in_Philadelphia

PLANTS Database | Natural Resource Conservation Service (USDA/NRCS)

PLANTS Database provides standardized information about the vascular plants, mosses, liverworts, hornworts, and lichens of the U.S. and its territories. <https://plants.usda.gov/java/>

