

Better Trees for Utah



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We Can Do Better!



- Better species -- several hundred suitable for Utah
- Better cultivars
- Better match of tree to site

Factors in Matching Tree to Site



- Water (too little, too much)
- Soil pH
- Other soil limitations
- Heat
- Cold
- Size (trunk, crown, roots)
- Shade tolerance

Remember to Match Trees to People



- Provide what people want
- Opportunities in xeriscaping and firewise landscaping
 - Takes detailed knowledge of site characteristics and plant capabilities, along with strong design sense
 - Much of this isn't getting done because so few good, functional, and attractive examples

Some Trees to Avoid



- Any willow (*Salix* species)
- Almost any poplar/cottonwood (*Populus* species)
- quaking aspen (*Populus tremuloides*)
- silver maple (*Acer saccharinum*)
- Russian-olive (*Elaeagnus angustifolia*)
- European white birch (*Betula pendula*)
- blue spruce in hot locations (*Picea pungens*)

What About Natives?



- Mountains vs. valleys -- what is native?
- Extreme climate variability due to elevation
- Most natives not in cultivation
- Good and available: canyon maple (*Acer grandidentatum*), R. Mtn. juniper (*Juniperus scopulorum*), bristlecone pine (*Pinus aristata*), ponderosa pine (*P. ponderosa*), Gambel oak (*Quercus gambelii*)
- Have promise: California redbud (*Cercis occidentalis*), netleaf hackberry (*Celtis reticulata*), mountain-mahoganies (*Cercocarpus*), desert-willow (*Chilopsis linearis*), others?
- Many more appropriate shrubs
- Well-adapted non-natives

Some Better Trees for Utah Cities



- European hornbeam (*Carpinus betulus*)
- European beech (*Fagus sylvatica*)
- ginkgo (*Ginkgo biloba*)
- Kentucky coffeetree (*Gymnocladus dioicus*)
- yellow-poplar (*Liriodendron tulipifera*)
- bur oak (*Quercus macrocarpa*)
- white oak (*Quercus alba*)
- chinkapin oak (*Quercus muehlenbergii*)

Some Better Trees for Utah Cities



- English oak (*Quercus robur*)
- Japanese tree lilac (*Syringa reticulata*)
- lacebark (Chinese) elm (*Ulmus parvifolia*)
- European larch (*Larix decidua*)
- giant sequoia (*Sequoiadendron giganteum*)
- Blackhills (white) spruce (*Picea glauca* ‘Densata’)
- lacebark pine (*Pinus bungeana*)
- bristlecone pine (*Pinus aristata*)



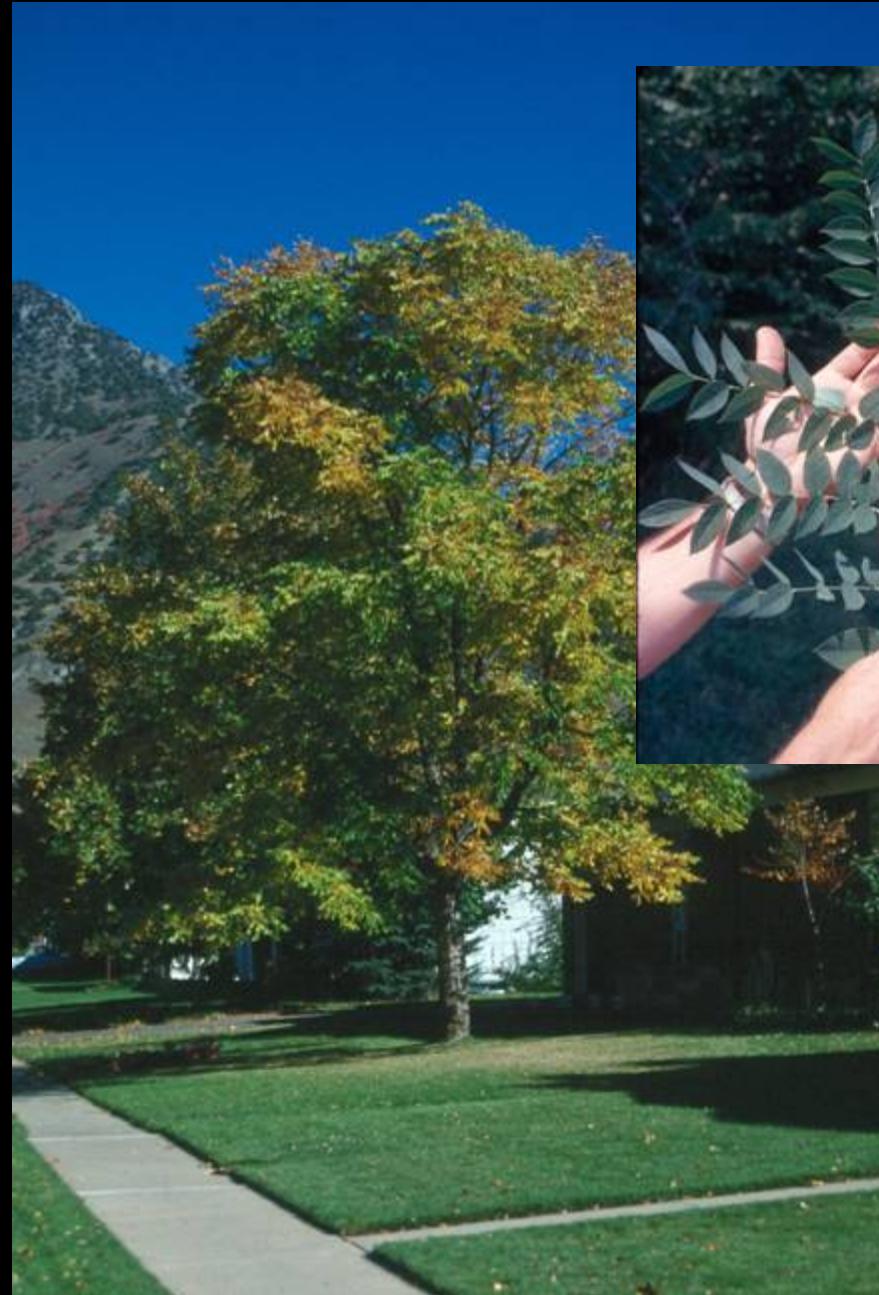
European hornbeam (*Carpinus betulus*)



European beech (*Fagus sylvatica*)



Ginkgo (*Ginkgo biloba*)



Kentucky coffeetree (*Gymnocladus dioicus*)



Yellow-poplar (*Liriodendron tulipifera*)



Bur oak (*Quercus macrocarpa*)



White oak (*Quercus alba*)



Chinkapin oak (*Quercus muehlenbergii*)



English oak (*Quercus robur*)



Japanese tree lilac (*Syringa reticulata*)



Lacebark (Chinese) elm (*Ulmus parvifolia*)



European larch (*Larix decidua*)



Giant sequoia (*Sequoiadendron gigantea*)



Blackhills (white) spruce (*Picea glauca* 'Densata')



Lacebark pine (*Pinus bungeana*)



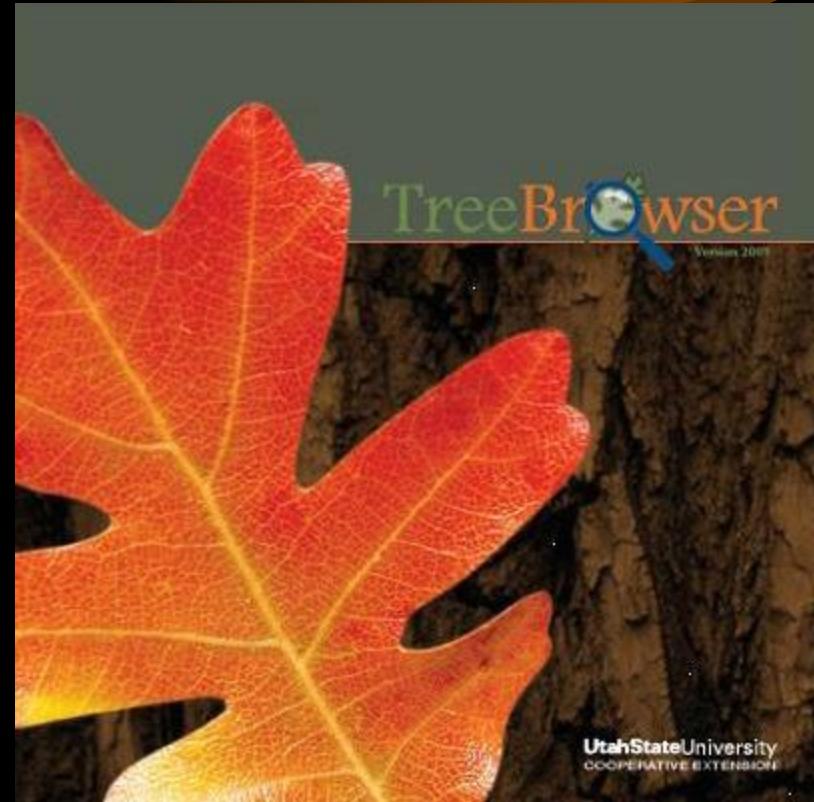
Bristlecone pine (*Pinus aristata*)



Tree Browser Website

www.treebrowser.org

- Includes 241 trees
- Select 21 characteristics
- 1,100 photos
- Text descriptions
- Select and save favorites



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