

**Overview:** 

- What is appropriate for Kentucky Landscapes?
- Assessing the site,
- Determining the quality of Nursery Stock.



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## Right Tree, Right Place



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# What's Appropriate in Kentucky?

- http://www.ky-isa.org click on:
  - Guide to Landscape
    Appraisal of Tree Species
    in K-astrolog Londonnon
- Valuations by botanical
- Valuations by percent groups



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## What's Appropriate in Kentucky?

- http://www.ky-isa.org
  Kentucky Arborists' click on:
   Association (KAA) a
  - Guide to Landscape Appraisal of Tree Species in Kentucky Landscapes
  - Valuations by botanical name
     Maluations
  - Valuations by percent groups

 Kentucky Arborists' Association (KAA) aka Kentucky Chapter of International Society of Arboriculture (ISA)

valuation by % groupranked: 10-20% to 90-100%

## What's Appropriate in Kentucky?

- http://www.ky-isa.org
  - click on: • Guide to Landscape
  - Appraisal of Tree Species in Kentucky Landscapes
- Valuations by botanical name
- Valuations by percent groups
- 10-20% Species Valuation
  - Ailanthus altissima (tree of heaver
  - Albizia julibrissin (mimosa)
  - Caragana arborescens (Siberian
  - x*Cupressocyparis leylandii* (Leyland
  - Elaeagnus angustifolia (Russian olive)
- Fraxinus americana (white ash, untreated for EAB) (continued)



## What's Appropriate in Kentucky?

- http://www.ky-isa.org
- How to use the lists: developed for landscapes (not riparian)
  - don't automatically go to the 90-100% group
  - all large trees
  - o practice species diversity

- Appraisal Criteria:
  - Climate Adaptability

  - Soil Adaptability
  - Resistance/Tolerance to Biotic & Abiotic Challenges

## **Appraisal Criteria:**

### Climate Adaptability <sup>(1)</sup> cold hardiness

# Growth Characteristics

aesthetics

# Soil Adaptability

- Resistance/Tolerance to Biotic & Abiotic Challenges

<sup>(1)</sup> Some spp. more/less suitable for western KY

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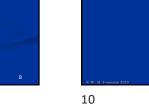


# **Right Tree: Client wishes**

- Client requests:
  - flowers
  - fall color
  - fast growth
  - no insect/diseases

## Client complaints:

- messy fruit
- have to rake leaves
- broken branches
- broken sidewalks







### Right Place (Site Evaluation)

- How much above-ground space at maturity?
  - buildings
  - overhead utility lines
  - sidewalks, driveways
- What is the habit (shape) of tree being considered?
  - broad spreading
  - pyramidal
  - columnar, etc.





 How much soil volume?
 large trees require 1,200 cubic feet of soil (20ft x 20ft x 3ft) to reach maturity.



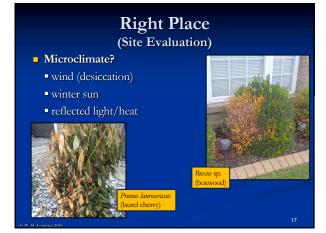
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## Nursery Stock Quality

B&B

- Florida Grades and Standards for Nursery Stock
  - Fanc
  - **•** #1
  - 71-1
  - **•** #2
  - Cull

Issues:

small soilball

deep in ball

not limbed up

double leaders

rounded over

tight branch angles

• synthetic burlap (remove)

- Nursery Stock:Balled & Burlapped (B&B)
  - Container
- Bareroot
- 1041010

 $\mathcal{P}$ 

mall rootball

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B&B

Container plant moved to field

Roots froze before planting

Dug B&B (small ball)

Issues:

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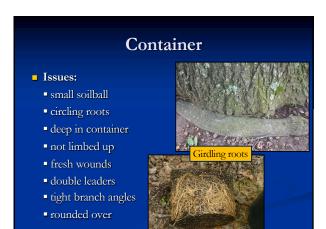
small soilballdeep in ball

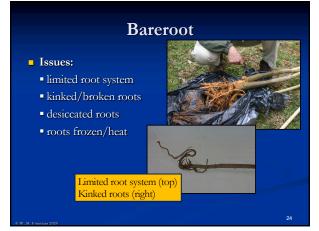
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synthetic burlap (remove)





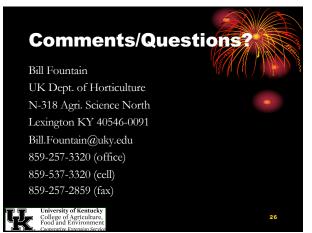
## Nursery Stock Quality

 More reading on Florida Grades and Standards for <u>Nursery Stock</u>

http://hort.ufl.edu/woody/planting

https://www.fdacs.gov/Divisions-Offices/Plant-Industry/Business-Services/Florida-Grades-and-Standards-for-Nursery-Plants-2015





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