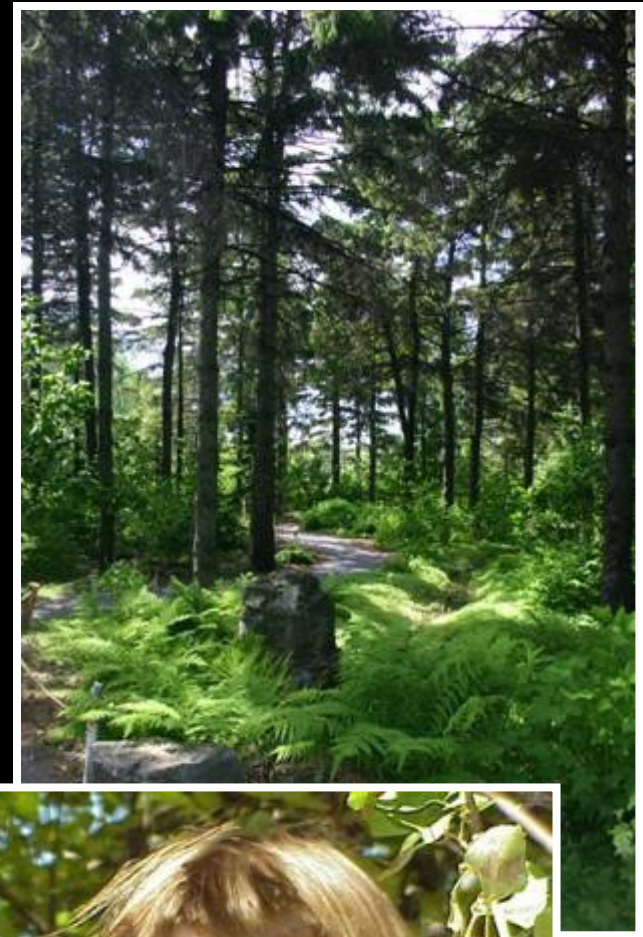


Woody Plant Selection

*Finding the right plant
for the right place*



- Value of trees
- Information resources
- Appropriate tree selection
- Diversity of woody plants available
- Purchasing and care







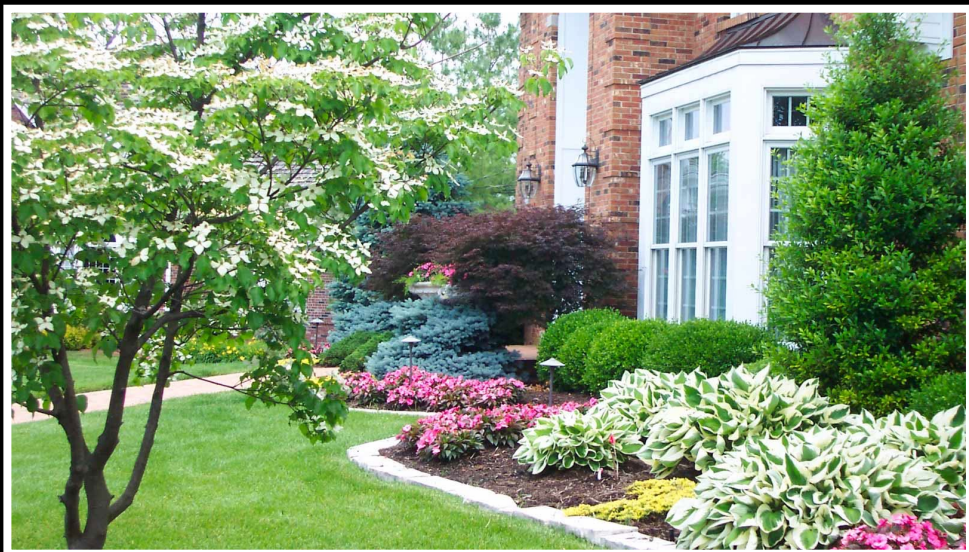
Catalpa



White Pine



Shagbark
Hickory



What are your recommended
landscape trees and shrubs?



In any given region of the United States, 40 shrubs and trees make up 90% plus of the landscape plantings.

—J.C. Raulston



Lack of Diversity

- Boring
- Environmentally and horticulturally unsound
 - Promotes disease
 - pest infestation
 - Loss of natural habitat



Explore!

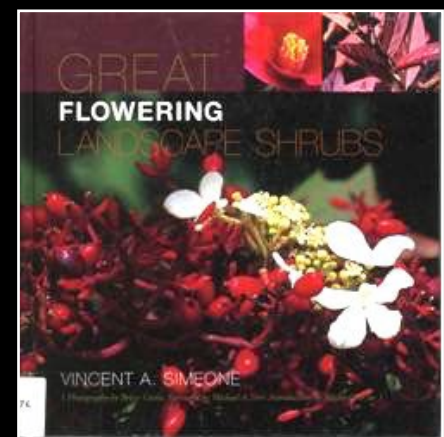
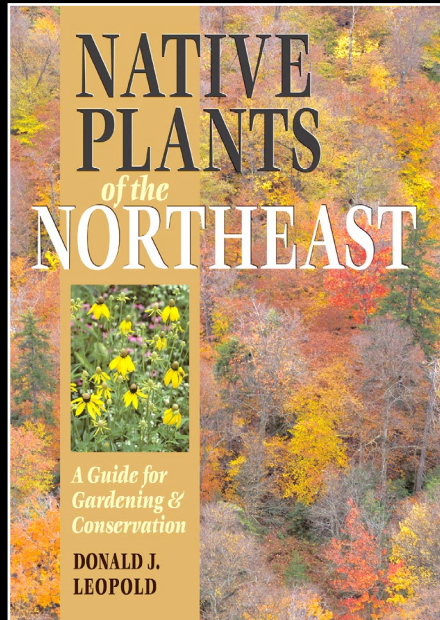
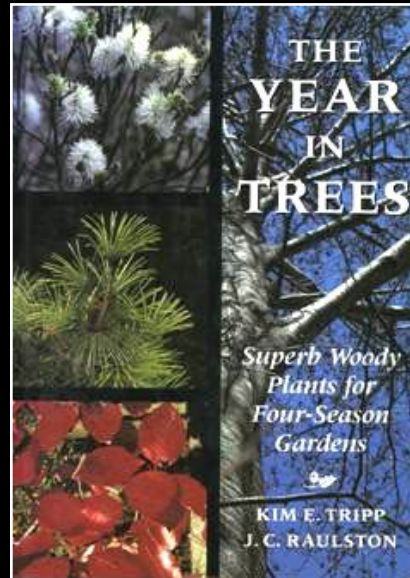
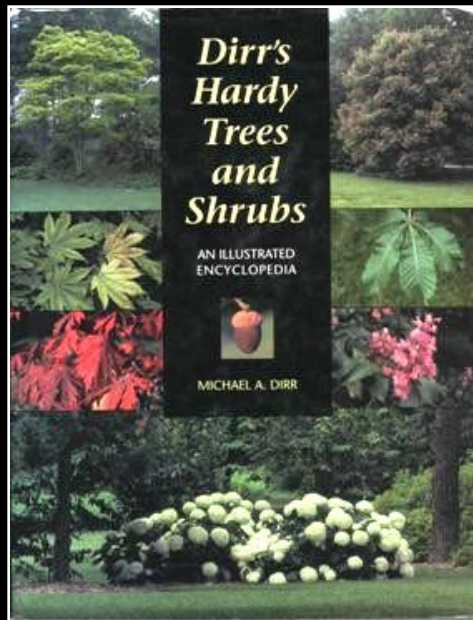
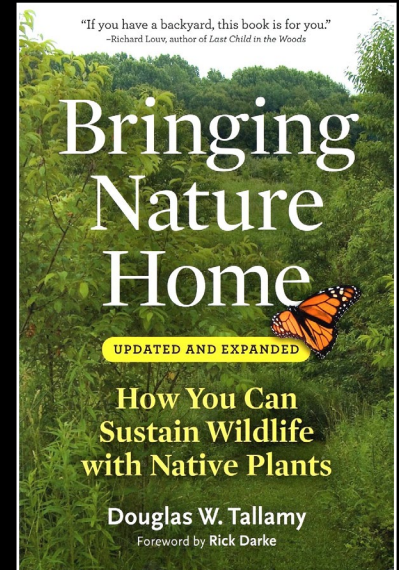
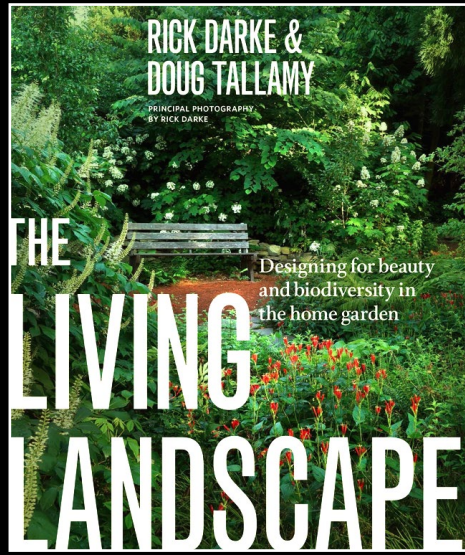


Cornell Cooperative Extension

- *Gardening in Orange County*: our own local gardening newsletter
- <http://www.gardening.cornell.edu/>
- Internet : **use discretion**
 - .edu, .org preferable to .com
 - fact sheets
 - similar growing conditions

Resources

- Michael Dirr
- Kim E. Tripp and
- J.C. Raulston
- Vincent A. Simeone
- Doug Tallamy
- Donald J Leopold



Great Flowering
Landscape Shrubs

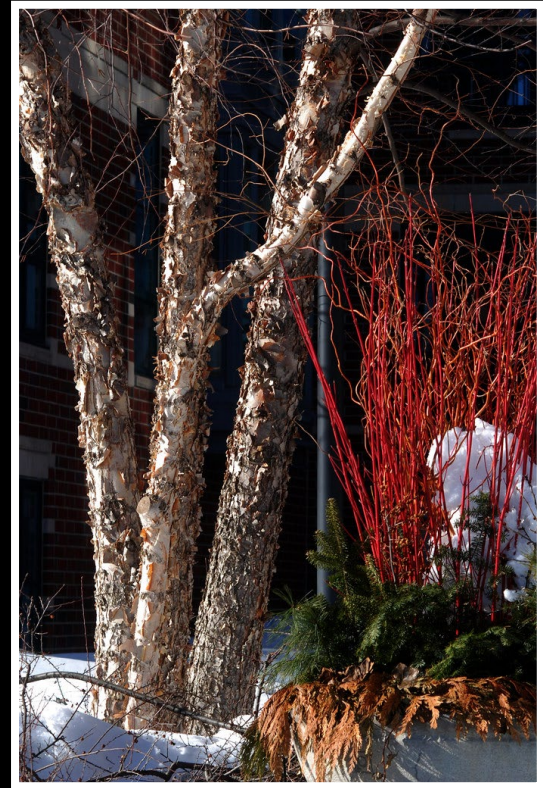


Visit Area Gardens

- Local gardens
 - Orange County Arboretum
 - OCCC Campus
 - Skylands Botanical Gardens
 - NY Botanical Gardens, Wave Hill
 - The Desmond Campus of Mt Saint Mary College
 - Brooklyn Botanic Garden

Explore in all seasons



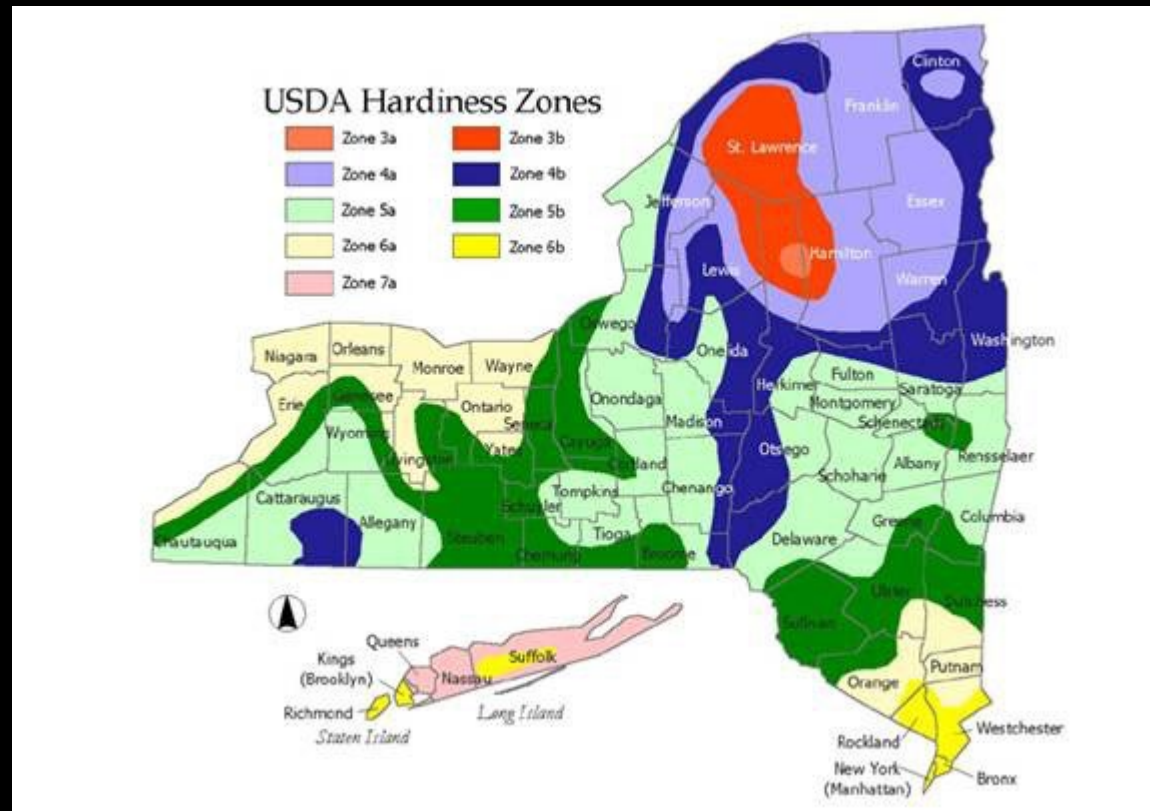




Analyze the site:

What do you know?

Hardiness zone



- Zone refers to **AVERAGE *minimum*** temperatures
- Heat tolerance considers maximum temperatures

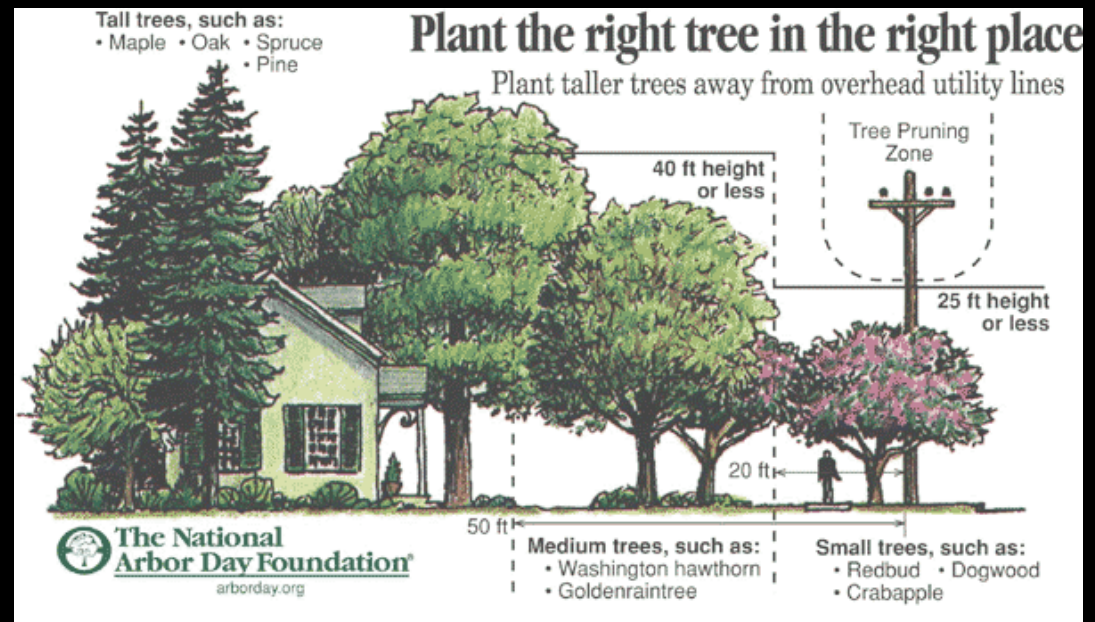


Specifics

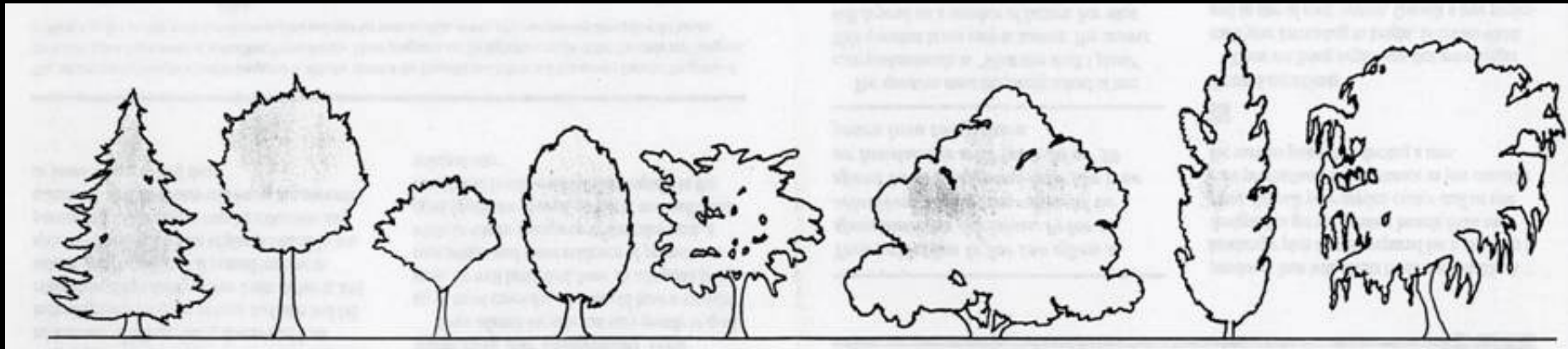
- Microclimates:
 - Windy or sheltered?
 - Near a large water mass?
- Moisture : wet, dry, accessible to hose?
- Soil type and condition
 - Drainage or perk
 - Organic matter
 - pH
 - Majority: 5.5-7.0
 - Andromeda, rhododendron, blueberry, mountain laurel, azaleas
Require acid conditions: 4.5-5.5

Size limitations

- Lateral space available
 - Near a foundation?
 - Driveway?
 - Underground hazards: wires, cables, gas lines, etc?
- Height restrictions
 - Building overhangs?
 - Overhead wires?



Plant Form



Pyramid Round Vase Oval Spreading Layered Columnar Weeping



Both trees are sugar maples
Acer saccharum

Left: Cultivar: 'Green Mountain'
Right : *A. saccharum v. columnaris*



Light

- Heavy shade
- Dappled Shade
- Part Sun
 - Morning sun
 - Afternoon (western) sun
- Full Sun



Reasonable modifications of site

- Thin the canopy above
- Mulch
- Drainage
- Add organic matter (smaller plants)



Limiting Factors

- Zone
- Space available
- Moisture extremes
- Available light
- Soil factors



Aesthetics

- Form and size
- Winter interest:
 - bark, berries, seeds, evergreen, contorted branches?
- Flowering:
 - color, fragrance, season, duration
- Leaves:
 - color, seasonal color, persistence, shape, size



Purpose

- Shade
- Foundation
- Border property
- Privacy
- Environmental:
 - Wildlife Habitat
 - Native
 - Energy saving: cooling in summer, wind break



Why plant trees?

Economic:

- boost the market value of your home
- increase property values
- reduce annual heating and cooling costs



Environment

- Absorb Carbon
- Reduced flooding
- Improve water quality



Health





The right tree for the right place.



Beautiful.