



Sustainable Yard Maintenance for Homeowners

Part 2

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Outline

- Right Plant, Right Place
- Planting
- Pruning
- Mulches
- Lawns
- Wrap up



Right Plant, Right Place

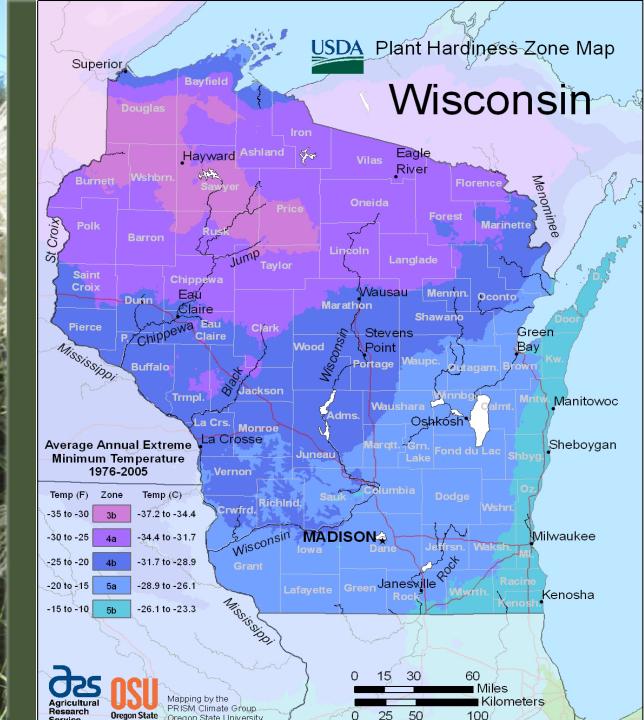
- o Climate
- o Plant's function
- Size / growth rate & Form
- o Ornamental considerations
- Cultural considerations
- Establishment Period



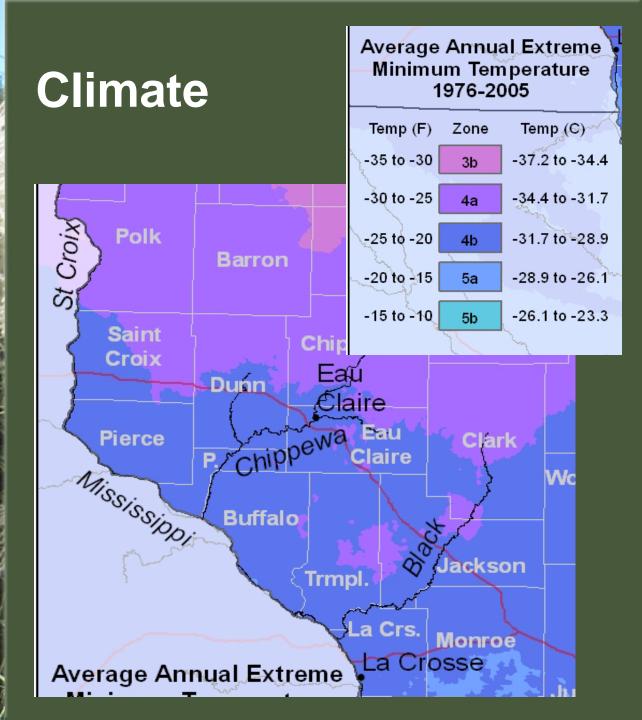
Climate

- USDA Plant Hardiness Zone
 - Average annual minimum winter temperatures
 - Updated 2012





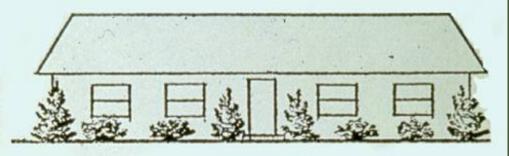




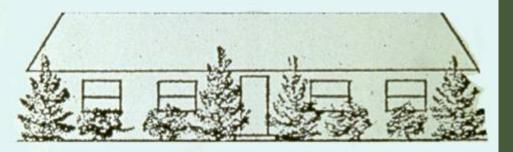


Plant's function

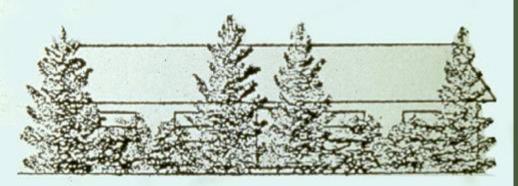
- Shade or Street tree
- Specimens
- Screens or Windbreaks
- Hedges or Barriers
- Borders or Edges
- Foundation or Masses
- Groundcovers
- Vines
- Container plants



FIFTH YEAR



TENTH YEAR



FIFTEENTH YEAR

Size / growth rate & Form

Size / Growth rate

 Consider mature
 height

• Form

- Many variations

DIFFERENT PLANT FORMS

ARCHING: Branches on tree or shrub CONICAL: Geometric cone-shape arch over, creating a fountain or cascading look.



CLIMBING : Stems of a plant grow upwards along a fence, trellis, wall, or other structure; common in vines.



CLUMP : Main branches or multiple trunks of a tree artse from the base of the plant. Common in ornamental trees DENSE: More compact form than that have showy bark; nurseries Intentionally grow them this way.



COLUMNAR: Branches are closely arranged on the stem creating a narrow, vertical habit. Narrower growth than fastiglate.



(like an upside-down ice cream cone), common in evergreens.



CREEPING OR TRAILING: Branches and foliage lay close to the ground or trail over walls or boulders; common in groundcovers.



typical; branches and foliage are close together, unable to see through.



DWARF: Miniature form, much smaller than usual: common in contiars.



ERECT : Upright, with tall, straight stems; can also refer to columnar or fastiglate forms. Usually used to describe shrubs.



FASTIGIATE: Narrow, upright branching with closely arranged branches. Growth is less tight than columnar.



HORIZONTAL: Branches are parallel to the ground, creating a widespreading, flat-topped look.



IRREGULAR: No distinct shape, but form can be picturesque.



MOUNDED: Low, rounded form, close to ground.



OPEN : Branches are far enough apart to allow air and light through-you can see through It.



OVAL: Egg-shaped; lower and upper portions of plant are narrower than the middle.



PYRAMIDAL: Somewhat triangular in outline. Base is widest part and



ROUNDED OR GLOBULAR: Curved outline; top of plant resembles the upper half of a circle, common in troos



SPREADING : Branches spread upward and outward; common in trees or larger shrubs.



SUCKERING: Multiple stems originate below ground from the roots, resulting in new shoots, common in shrubs.



UPRIGHT: Branches tend to go upwards and are often rigid.



VASE-SHAPED: Upper part of a tree canopy or shrub outline is shaped like a V.



WEEPING: Stems of a tree or shrub gracefully arch or bend over toward the ground. Often grafted.







Ornamental considerations

o Flowers

o Fruits

o Foliage

o Bark



Cultural considerations

- Soil
 - Texture
 - Structure and compaction
 - pH and fertility
 - Temperature
- Moisture
 - 1" per week
- Sunlight





Planting





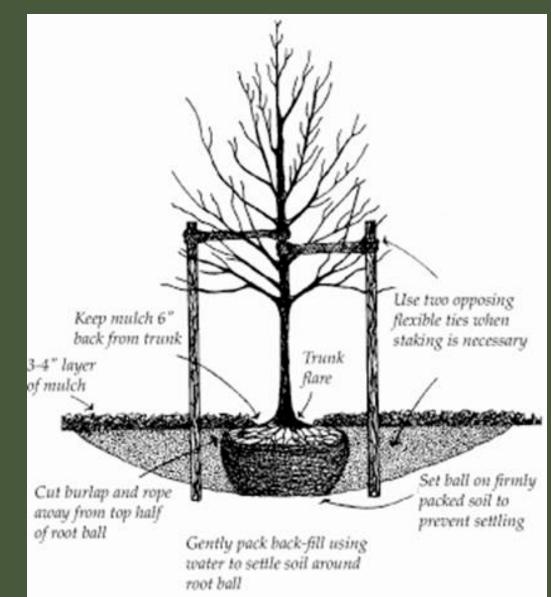
Types of plants

- Bare root
- Balled and Burlap
- Container



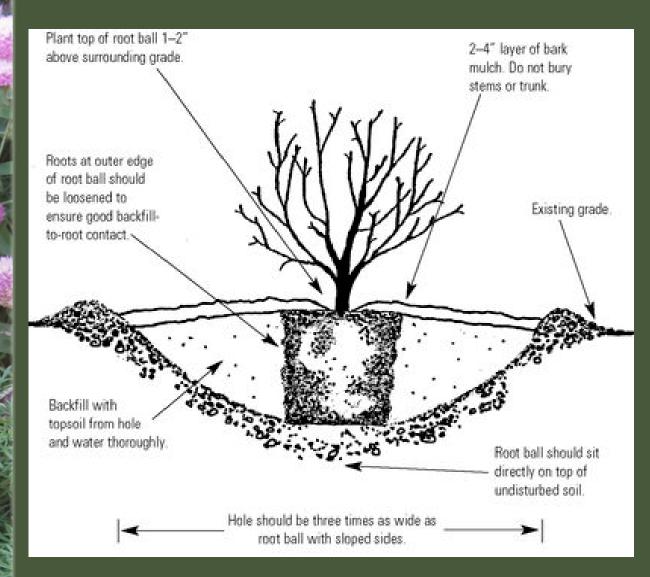


Planting B&B





Planting Containers







Pruning





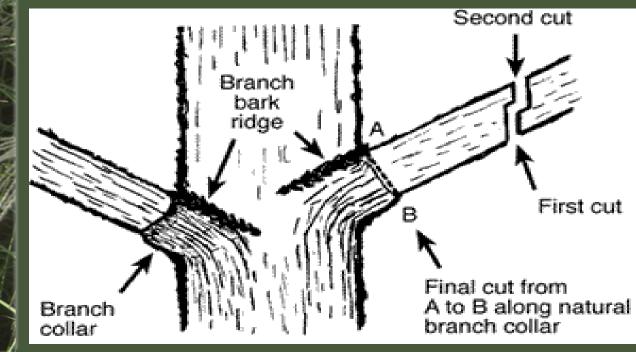
Maintenance Questions

- Removal?
- Pruning?



Tree Pruning

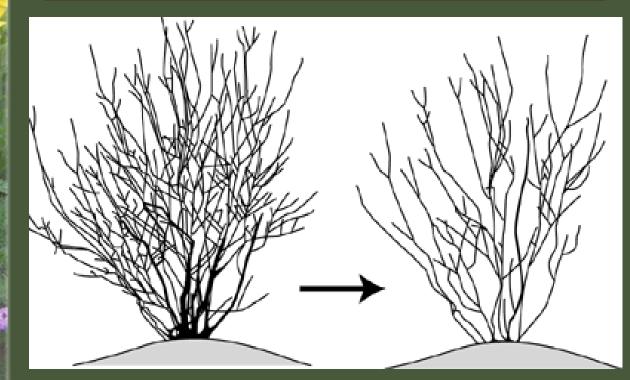
Dead or broken branches Crossing branches Branches larger then 1" in size = 3 Point cut





Deciduous Shrubs: Renewal Pruning

- Cut back 1/3 of the branches at ground level
- 3 year rotation





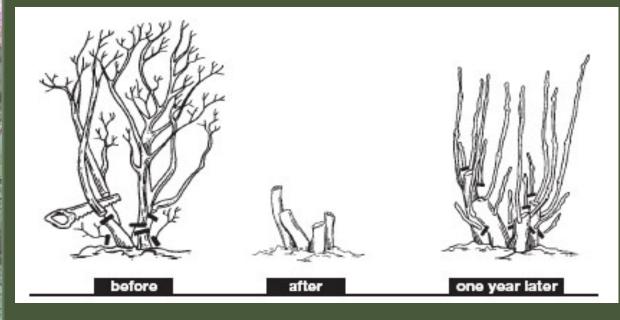
Deciduous Shrubs: Renewal Pruning

- Dogwoods
- Forsythia
- 🗸 Lilac
- 🗸 Potentilla
- Purpleleaf sandcherry
- ✓ Sumacs
- ✓ Rugosa rose
- Shrub willows
- ✓ Spireas

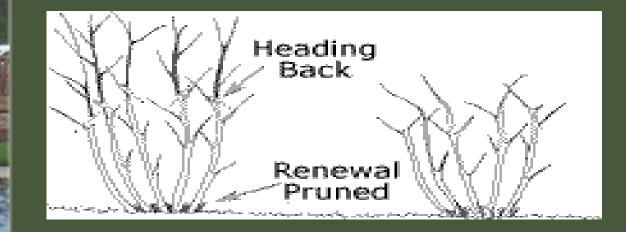


Deciduous Shrubs: Rejuvenation Pruning

- Start plant over, cut back 6" to 2'
- Used on overgrown leggy plants









Gail Trimble

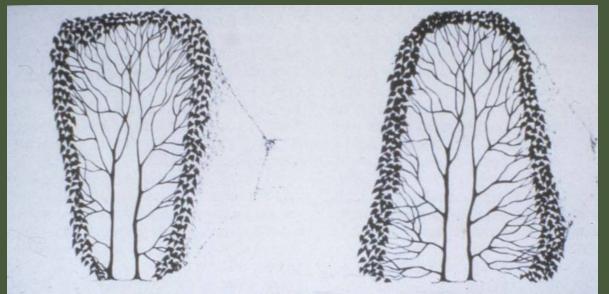


Deciduous Shrubs: Rejuvenation Pruning

- Dogwood
- Potentilla
- Spirea
- Annabelle hydrangea
- Lilac



Hedges



The formal hedge, left, is improperly shaped. The top should not be wider than the bottom the right, a properly-shaped formal hedge. The top is narrower than the bottom.



Evergreen Shrubs

- Do not go back to dead wood
- Pines
 - Remove 1/2 to 2/3 of candle in spring
- Spruce & Fir
 - Branch back to lateral bud
- Yews & Arborvitae
 - Head back or shear
- Juniper
 - Head back



Mulches Organic or Inorganic





Inorganic

• Use a landscape fabric

• Types

– Rock

- Stone



Organic

- Do not use landscape fabric
- Types
 - Chipped or shredded bark
 - Coco beans
 - Leaves
 - Compost
 - Grass clippings
 - Peat moss
 - Straw or hay





Lawns







Maintenance

- New areas
 - Seed
 - Sod
- Established
 - Over seeding



Types of Seed

Kentucky Blue Grass (KBG)
 – Sunny locations

• Fescues

- Shady locations
- Rye grass
 - Quick germination



Seed labels

	xisting Lawns: LAWN Lawn Seed Mixture	łt	b. Per 350 Sq. Ft. b. Per 700 Sq. Ft.
Pure Seed	Variety/Kind	Germination	Origin
30.24% 19.57% 17.79% 14.69% 14.32%	Program Perennial Ryegrass Kelly Kentucky Bluegrass Kenblue Kentucky Bluegrass Boreal Creeping Red Fescue Gulf Annual Ryegrass	90% 83% 80% 85% 90%	OR OR WA CAN OR
NOTICE TO C	Weed Seed TES ed Seeds: None Found In II In A ONSUMER: Weral states including Arkensas, California, Flor	K, AZ, CA, CO, ID, MN, ND, NH, NV DR, PA, UT, VT, WA and DC SEI da, Georgia, Idaho, Indiana, N	L BY: 01-2010 NY, L BY: 04-2010
agriculture or	seed before litigation. A sworn complaint must	be filed with the Commission	services or minute by the
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Establishment periods

• Spring

Soil above 50 degrees until the Memorial Day

• Fall

When nights become cooler around August 15 until Mid September



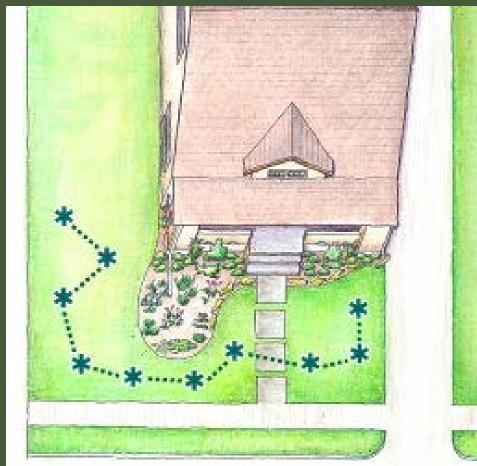
Soil Tests

- Done every 3 to 5 years
- Soil cores should be 5" to 7" deep
- Take soil cores from 10 areas and combine = need 2 cups for testing
- Send to lab, cost \$15.00



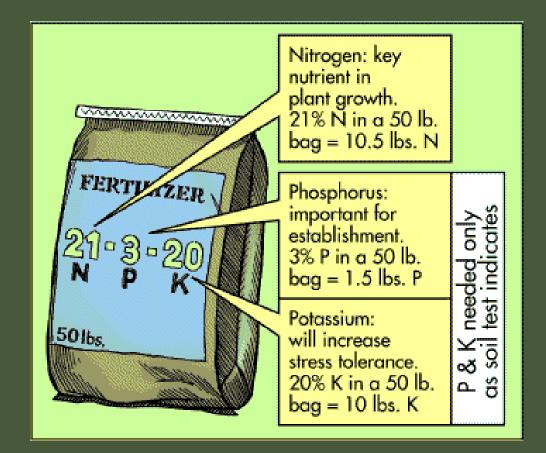
Soil Tests

- pH and Organic matter
- Phosphorus and Potassium





Fertilizer





Fertilizer Recommendations

- Follow soil test, maximum 4 lbs nitrogen per year
- One application per year =
 mid- to late October
- Three applications per year =
 Late May/ early June
 Early September
 Mid to late October
- Four applications per year=
 Late May/ early June
 Early to mid July
 Early September
 Mid to late October



Watering

• Required: 1" per week

• Lawns can go dormant and rejuvenate with rainfall

- Irrigation
 - Watering bans?
 - Do not do in the heat of the day



Mowing Heights

- Higher mowing height will have deeper root system
- 2" to 3" preferred

