Proper Tree Pruning and Care Andrea Tomlin Assistant Professor, Tidewater Community College Chesapeake, VA

Pruning Trees - Why Prune?

What to think about....

- Safety
- > Removal of dead branches
 > Remove storm damage
- Aesthetics > Enhance form
- > Stimulate flowering -Health

- > Remove crowded or rubbing limbs
 > Remove diseased or insect infested wood
- > Develop strong structure
 > Increase airflow and reduce pest problems



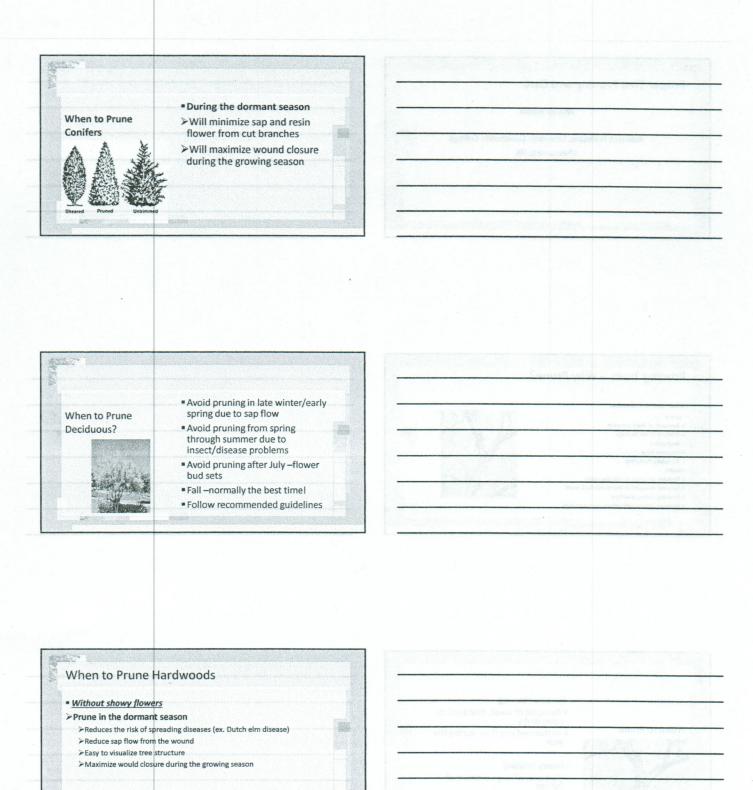


-Routine Pruning

- ➤ Removal of weak, diseased, or dead limbs
- ≻Performed any time during the year

- Heavy Pruning

- Removal of large amount of foliage
- >Avoid just after spring flush



When to Prune Hardwoods

- With showy flowers
 - Prune in the dormant season for the same reasons as trees without showing flowers
 - To preserve current year's flower crop
 - = Early spring flowering trees (redbud, dogwood) immediately after flowering
 - Summer flowering trees (Sweet-bay magnolia, sourwood) during the

How much to prune?

- Depends on
 ➤ tree size, species, age
 ➤ Pruning objectives

- Things to remember
 Trees recover faster from several smaller wounds than from one large wound
 Maintain an even distribution of foliage through out the crown
 Mature trees require little routine pruning

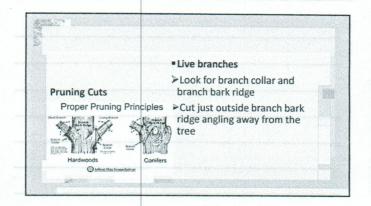
Deciduous Tree

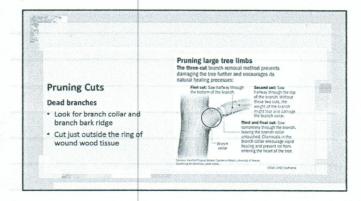


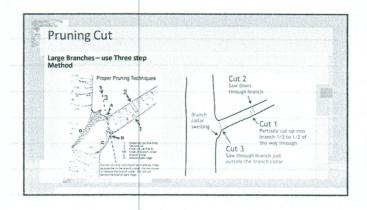
Rule-of-thumb

- Never remove more than 1/4 of a tree's leaf bearing canopy
- For large mature trees



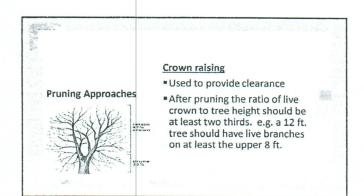


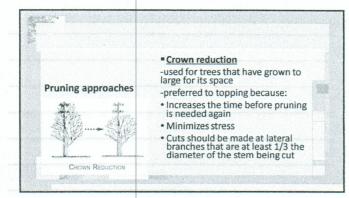




Pruning Cuts -Used to reduced size of tree or to remove damaged stem -Final cut is just inside the branch bark ridge, cutting through the stem parallel to the branch bark ridge

Pruning Approaches Crown thinning -primarily for hardwoods -Used to increase light and airflow penetration -intent is to maintain form and structure -remove no more than ¼ of the living crown at one time in a given year





Why topping hurts Stresses the tree

-removal of large portion of leaf bearing crown can result in starving a tree



Why topping hurts

- Leads to sunburn -results in cankers, bark splitting, and death of some branches
- Creates hazards -survival mechanism is to create multiple shoots -shoots form from buds that are near the surface -shoots are prone to breaking
- Makes an unattractive tree! -destroys the natural shape that can't be regained



Why topping hurts

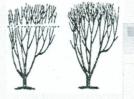
Is expensive!

- -requires pruning every few years
- -if the tree does not survive it will have to be removed
- -reduces property value
- -increases potential for liability



When do you need an arborist

- Leaves don't look right
- Signs of insects or disease
- Dead or dying limbs
- Pruning is needed
- For removing hazards
- Near power lines, utilities
- >Where working is off the ground
- Plant health care



Selecting an Arborist

- Look in phone book or contact International Society of Arboriculture (http://www.isa-arbor.com/)
- Ask for certification credentials
- Ask for insurances, including proof of liability and workman compensation
- Ask for local references
- Have more than one arborist look at the job
- Get the work to be done and cost in writing