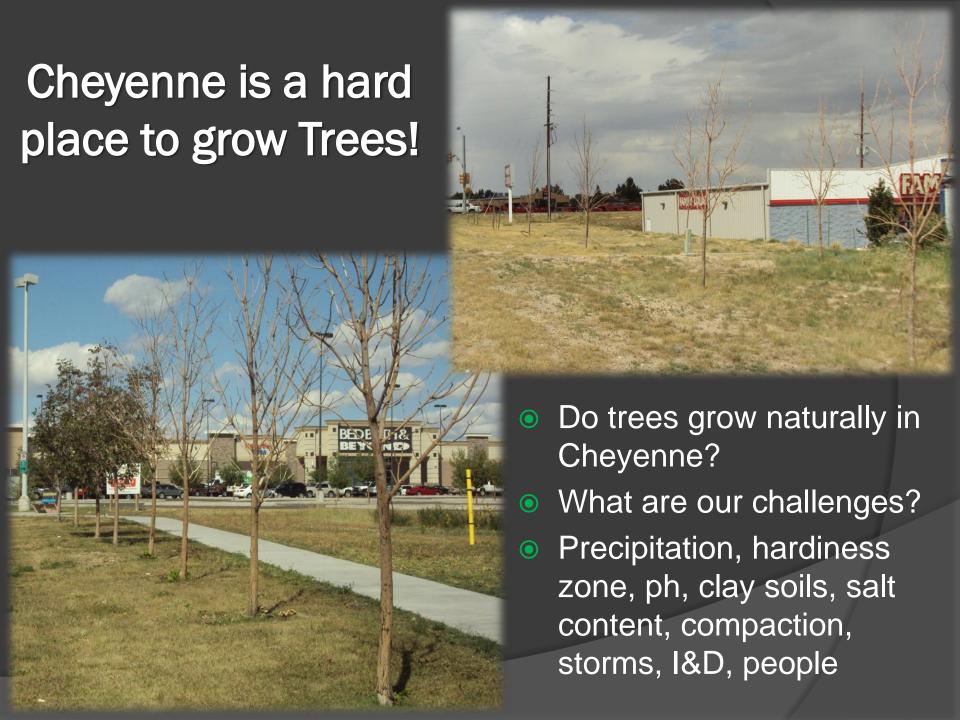


LANDSCAPING WITH TREES IN MIND







Buy Quality Trees

- Hardy species
- Insect or disease problems?
- Healthy, vigorous
- Good Form
- Adequate root ball: 1.5" = 20"
- Root condition?

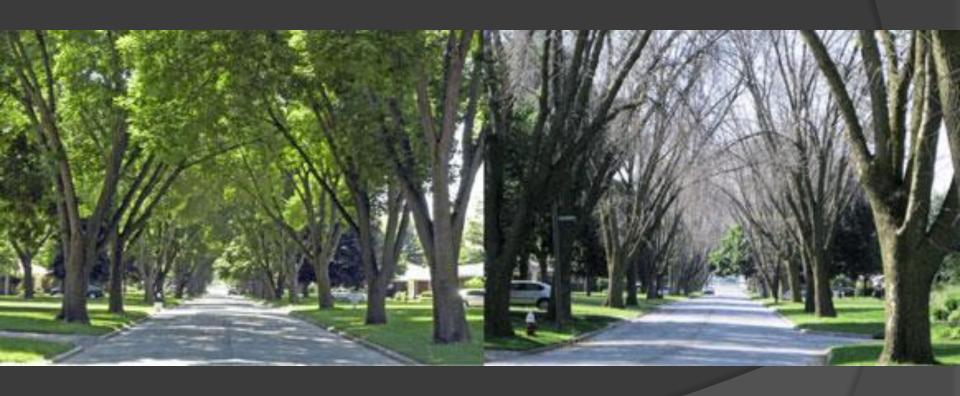




Don't Plant Ash!



It's only a matter of time!

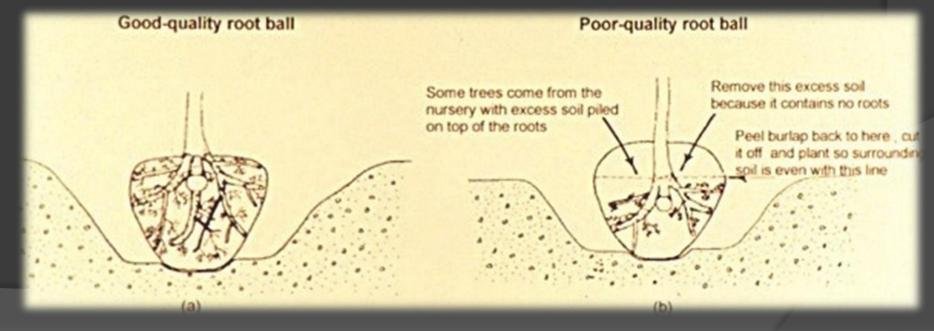


Emerald Ash Borer

Plant the Tree Properly

- Find the root flare
- Cut circling roots
- Plant at the proper depth: 1-2 inches above ground level







Proper Planting Hole Wider Is Better!



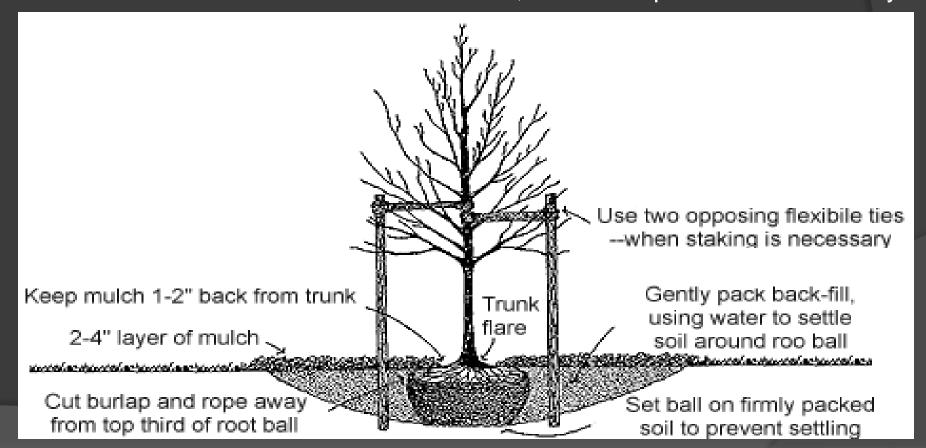
Good Hole



Bad Hole —

Tree Planting

- Dig a wide hole
- Remove all packing material
- Find root flare/treat circling roots
- Don't amend the soil
- Water when backfilling
- Consider a basin
- Mulch, stake and protect as necessary



Mulching

- Mulch newly planted trees with wood chips, bark or rock
- Mulch as large an area as possible.

Benefits

- Prevents competition with grass and weeds
- Retains soil moisture- about 30% more
- Wood mulch improves soil nutrient levels
- Improves soil aeration
- Protects from lawnmower and string trimmer damage
- Reduces soil temperature extremes









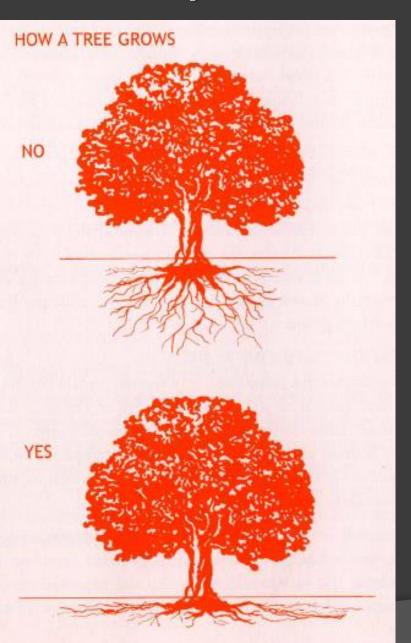
Mowers/trimmers Kill Trees!







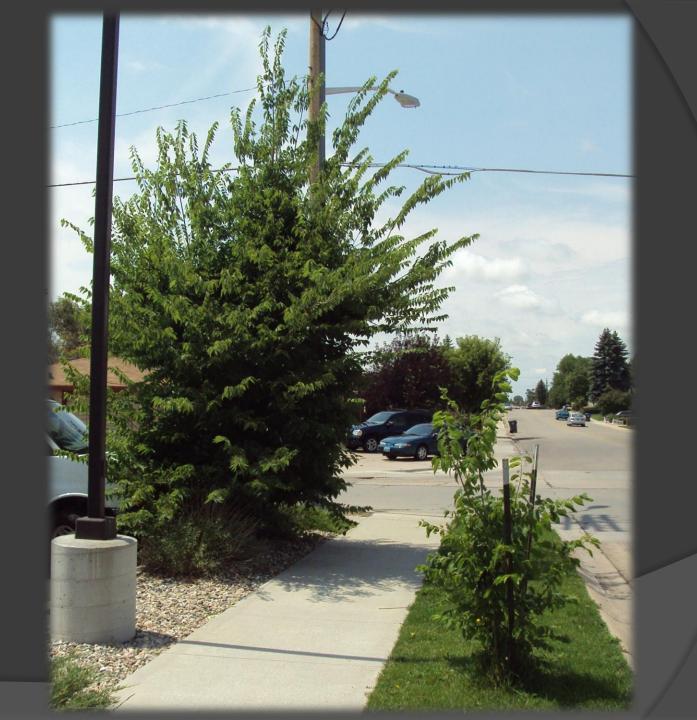
Grass/Sod is a fierce competitor!



- Most tree roots are in the first 12 inches of the soil profile
- Rarely are they deeper than 18 inches
- They occupy the same area as turf grass roots
- Turf grass forms a very dense layer of roots and emits allelopathic chemicals

Trees do better in mulch!





Young Trees

Mulch

- Helps them establish much quicker
- Will grow faster
- Be more resistant to I&D
- Less likely to experience dieback
- Less likely to die and need replacement
- Mulch is a good investment!

Mulching

Maintenance

- Weeds and grass will seed into mulch
- Use Roundup twice a season- be careful!
- Wood mulch becomes soil- replace as needed
- Where wind is a problem use coarse mulch/rock









Rock works well too!





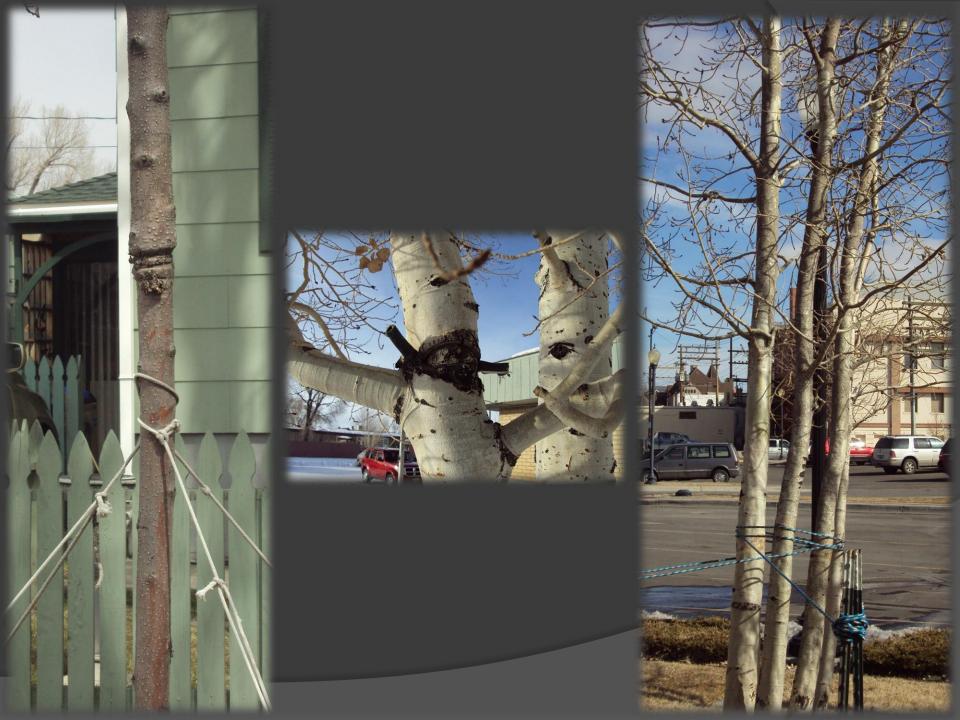


Staking/Protecting

- It's windy in Cheyenne!
- 2-3 stakes is adequate
- Don't drive stakes into root ball
- Don't over tighten guy wires
- Use mesh straps or other non-abrasive material
- Remove after 1-2 years
- Bamboo not necessary
- Trunk protectors/trunk wrap?







Watering

- Lack of adequate water is primary cause of tree mortality
- Turf irrigation systems can't sustain newly planted trees
- Supplemental watering is critical to survival
- Drip system, hand water, tree gators
- Should water once/week:10 gals per 1in. of caliper













Caring for Newlyplanted Trees Summary:

- Quality nursery stock
- Proper planting
- Improve conditions for the roots
- Reducing competition with turf
- Protecting the tree
- Supplemental watering, adjust amount/frequency

