

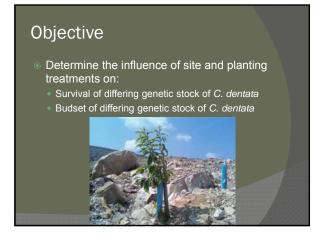
Background Post Surface Mining Control and Reclamation Act of 1977

Background The Forestry Reclamation Approach (FRA) 1. Create a suitable rooting medium for good tree growth that is no less than 4 feet deep and comprised of topsoil, weathered sandstone and/or the best available material. 2. Loosely grade the topsoil or topsoil substitute established in step one to create a noncompacted growth medium. 3. Use ground covers that are compatible with growing trees. 4. Plant two types of trees--early successional species for wildlife and soil stability, and commercially valuable crop trees. 5. Use proper tree planting techniques. (Burger et al., 2005).



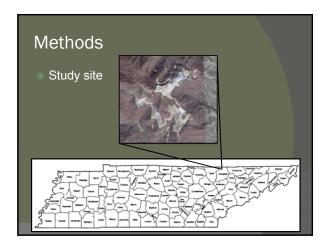
American chestnut Not available in the past Chestnut blight (Cryphonectria parasitica) Center of Range Growth Increased light levels Moderately acidic soils Well drained soils

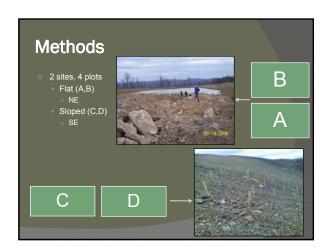
Background Budset Photoperiod Temperature Nutrient availability American chestnut Neoform (sustained)



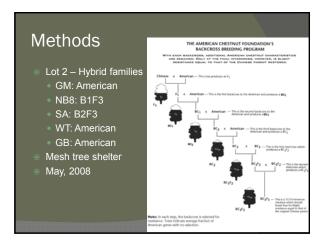
Hypotheses

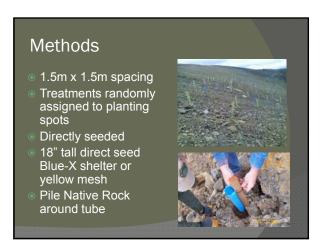
- American chestnut will set bud sooner than hybrids.
- All chestnut on south facing slopes will delay budset.
- Fertilizer, Terra-Sorb, and native soil will delay budset.







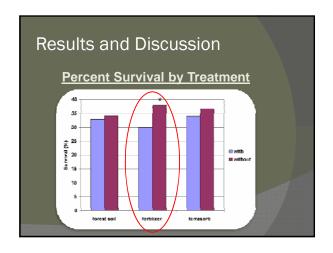


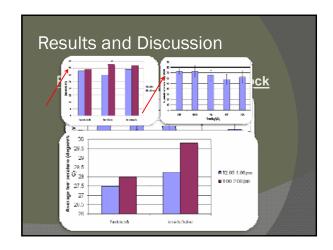


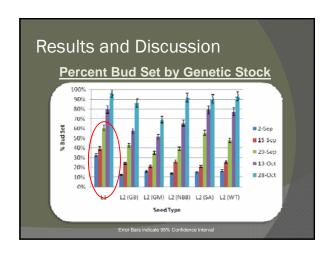
Methods Budset Every two weeks Growing, Set, Dead 90% Survival Every two weeks

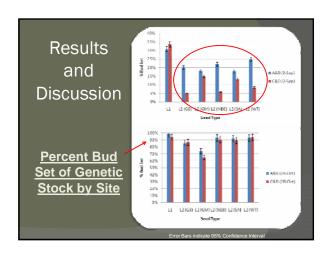
Methods

- Statistical Analysis
 - Randomized Block Design
 - Repeated Measures
- SPSS 16.0
- Microsoft Excel 2007









Implications Money saving No treatment is the better treatment Site matters South facing soil temperate Similar survive genetic families used. ave warmer elay budset etween



