



Virginia

Department of Forestry

Forest Landowner Education  
Workshop



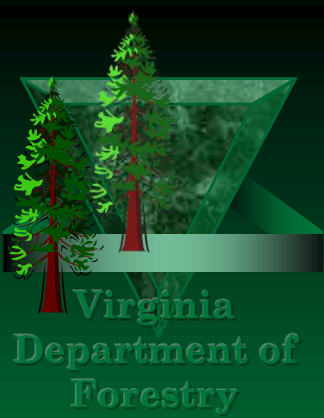
# Regeneration and Cost-Share Programs

- ◆ Natural regeneration versus planting
- ◆ Site Preparation
- ◆ Competing vegetation control
- ◆ Cost-Share Programs
- ◆ Riparian Buffer Tax Credit



# Natural Regeneration

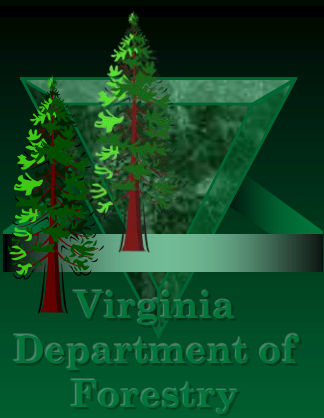
- ◆ Generally for hardwoods, clear-cuts favor yellow poplar and oak, Oaks in deferment or shelterwood cut.
- ◆ Undesirable species favored in select cuts.
- ◆ Most of the valuable hardwoods require full sunlight to grow.
- ◆ Should be a good site for hardwoods.
- ◆ No cost to landowner.
- ◆ Clear-cuts are great wildlife habitat!



## Natural Regeneration

From seed , 3 years after harvesting  
50-70 years to become saw-timber





## Natural Regeneration

Stump sprouts: grow quickly, may be undesirable for sawtimber.



# Planting Seedlings

- ◆ Hardwoods are only planted in fields.
- ◆ Costs vary from \$900.00-\$1200.00 / acre depending on materials and tree spacing.
- ◆ Pine seedlings are planted on sites that generally are poor for growing hardwoods.
- ◆ Pine is planted for shorter rotations, thin @ 15-18years, clear-cut @ 20-25+ years.



# Planting seedlings

- ◆ Only pine seedlings on cutover land.
- ◆ Loblolly, white, shortleaf, pitch/loblolly hybrid.
- ◆ Advanced Genetic Loblolly.
- ◆ Planting Density.







# Reforestation Assistance / Cost Share Programs

- ◆ DOF will assist with application for cost-share assistance.
  - Reforestation of Timberlands, Environmental Quality Incentives Program, Conservation Reserve Enhancement Program, Ag BMP
- ◆ Provide list of contractors to do site preparation, planting and vegetation control
- ◆ Help order seedlings.
- ◆ Check quality of planting and vegetation control.





# Reforestation of Timberlands Program

- ◆ Only for pine reforestation or afforestation, due to decreasing acreage of pine in Virginia.
- ◆ Reimburses landowners a flat rate not to exceed 75% of total cost of a single project for:
  - Site preparation (drum chopping, prescribed burn, etc.)
  - Planting pines
  - Herbicide release
- ◆ Cost Share rates vary from year to year



# Site Preparation? Timing is important





# Site Preparation ? Hardwood Stump Sprouts.







# Site Preparation Spray Hardwoods and Pine







# Site Preparation / debris and pine seed.





# Site Preparation Burn

- ◆ Prescribed Burning.
- ◆ Reduce debris and kill pine seed.
- ◆ Contractor or DOF.
- ◆ Per acre charge / hourly rate for dozer line.







# Planting Contractors

- Provide list of planters
- Costs vary depending on site and type of planting
- Loblolly around \$70.00 / acre using average seedlings. Cost-share payment of \$22.00/ac.





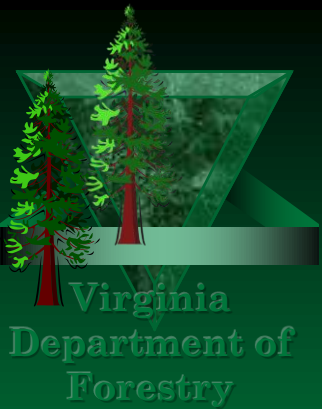
# Planting Quality and Reinspection

- ◆ Check planting quality to ensure cost share specs are met.
- ◆ Reinspect the planted area for seedling survival and the need to control competing vegetation.





# Competing Vegetation Control



- ◆ Fewer than 250 pines free to grow, you must release from competing vegetation.
- ◆ Hand release application , use when sensitive areas are near.
- ◆ \$115.00 / acre with an RT cost-share payment of \$43.00/acre treated.





# Competing Vegetation Control

- ◆ Aerial release application
- ◆ \$65.00 / acre with a \$20.00 / acre RT cost-share payment
- ◆ We bid out contracts, or can give you a list of applicators





# Pine Bark Beetle Prevention

- ◆ Cost share program to reduce outbreaks of the southern pine bark beetle.
- ◆ Precommercial thinning of pine, Costs vary from \$115.00 – \$150.00 / acre.
- ◆ Landowner receives 60% of cost not to exceed \$175.00/ac







# Pre-commercial Thinning







# Pine Bark Beetle Prevention

- ◆ 1<sup>st</sup> Commercial thinning, logger receives \$2,000.00 on first commercial thinnings of pine, less than 40 ac and 22 years of age.





# Environmental Quality Incentives Program

- ◆ Flat rate / acre reimbursement/
- ◆ Covers: site prep, planting, timber stand improvement, invasive species control, erosion control, etc..
- ◆ Good for numerous projects.





# Agriculture BMP Program

- ◆ Administered by Soil and Water Conservation Districts
- ◆ Technical advice for tree planting, by VDOF.
- ◆ Up to \$250.00 / acre for planting pine, 15 year commitment







# Conservation Reserve Enhancement Program

- ◆ Farm Service Agency and the Natural Resource Conservation Service.
- ◆ Create riparian buffers on farm land.
- ◆ Piggy back with other programs and has a rental payment.







# Riparian Buffer Tax Credit

- ◆ Must have a Forest Stewardship Management Plan.
- ◆ Landowner receives a credit for 25% of the value of the timber left in the buffer up to \$17,500 for the tax year the timber was cut. Only for Virginia State Taxes
- ◆ 50% of crown cover must remain.
- ◆ Minimum of 35ft buffer no greater than 300ft.
- ◆ \$150.00 application fee.
- ◆ Buffer maintained for 15 years regardless of ownership.



# Riparian Buffer





# Taxes

- ◆ USDA Forest Service Forest Tax website: <http://www.fs.fed.us/spf/coop/programs/loa/tax.shtml>.
- ◆ National Timber Tax website: [www.timbertax.org](http://www.timbertax.org).





# Questions