

Technological Trends and Production Costs for Forestry Byproducts

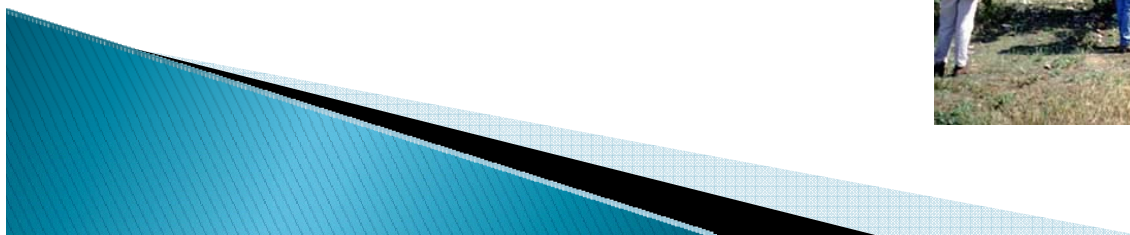
Transition to a Bioeconomy: The Role of Extension
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What “forestry biomass” will be collected?

- ▶ Mill and wood processing residues
- ▶ Urban–tree trimming
- ▶ Non–growing stock trees
- ▶ Salvage timber
- ▶ Biomass plantations
- ▶ Logging residues



What technologies will be used?

- ▶ Chipping trees
- ▶ Grinding logging slash
- ▶ Bundling trees/slash



Production rates and costs

Chipping



300-400 tons / day

\$8 - \$12 / ton

Production rates and costs

Chipping



Grinding



300-400 tons / day

250-325 tons / day

\$8 - \$12 / ton

\$10 - \$15 / ton

Production rates and costs

Chipping



Grinding



Bundling



300-400 tons / day

250-325 tons / day

100-200 tons / day

\$8 - \$12 / ton

\$10 - \$15 / ton

\$12 - \$20 / ton



Discussion and Questions...