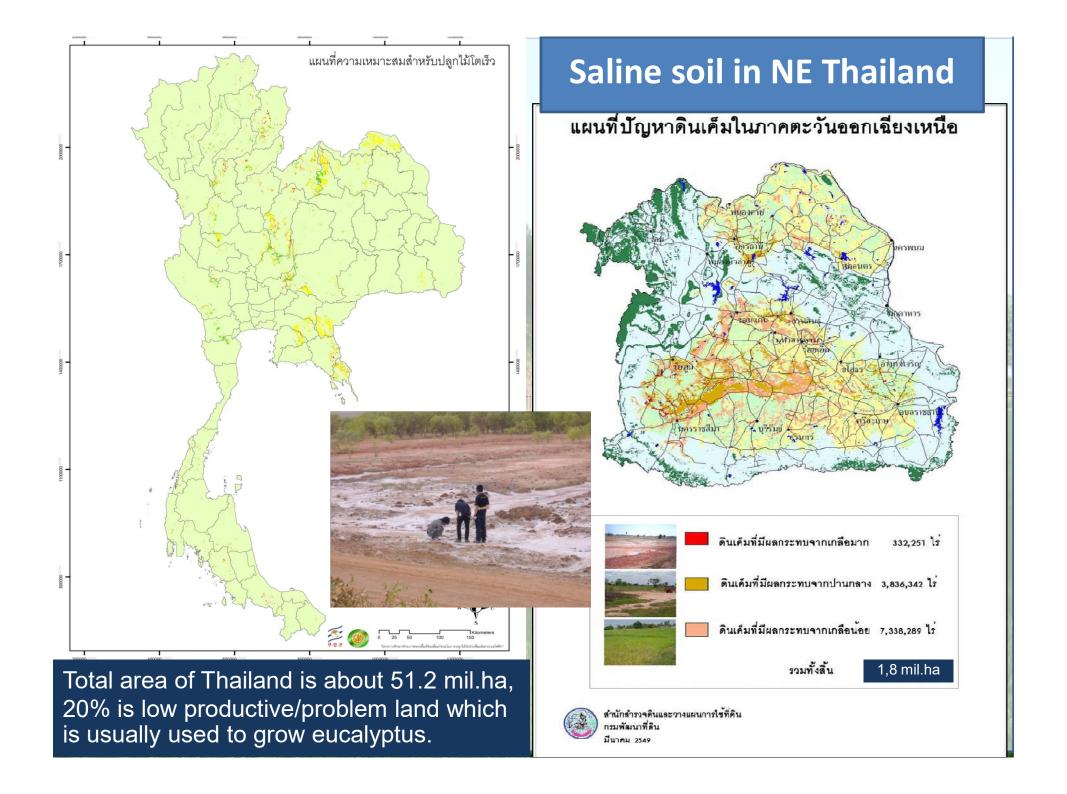
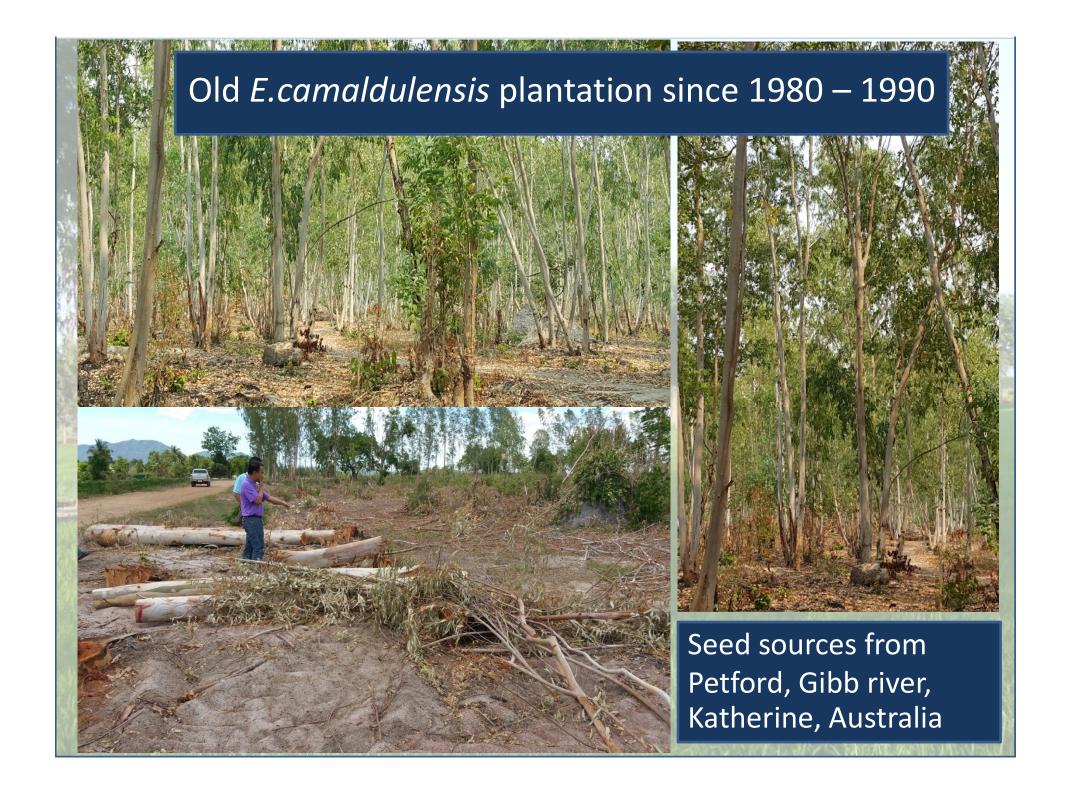


## **Overview**

- > Eucalyptus development in Thailand
- > Utilization of eucalyptus wood
- Mass propagation of eucalyptus
- Planting and management
  - Site preparation
  - Planting method
  - Weeding and maintenance
  - Felling methods and stump management
  - Pests and diseases
- > Conclusions





## Severe damaged from eucalyptus gall wasp in 2004







Over 50,000 ha was damaged from gall wasp in early and sapling stage caused a halt of eucalyptus planting.





## Utilization of eucalyptus wood





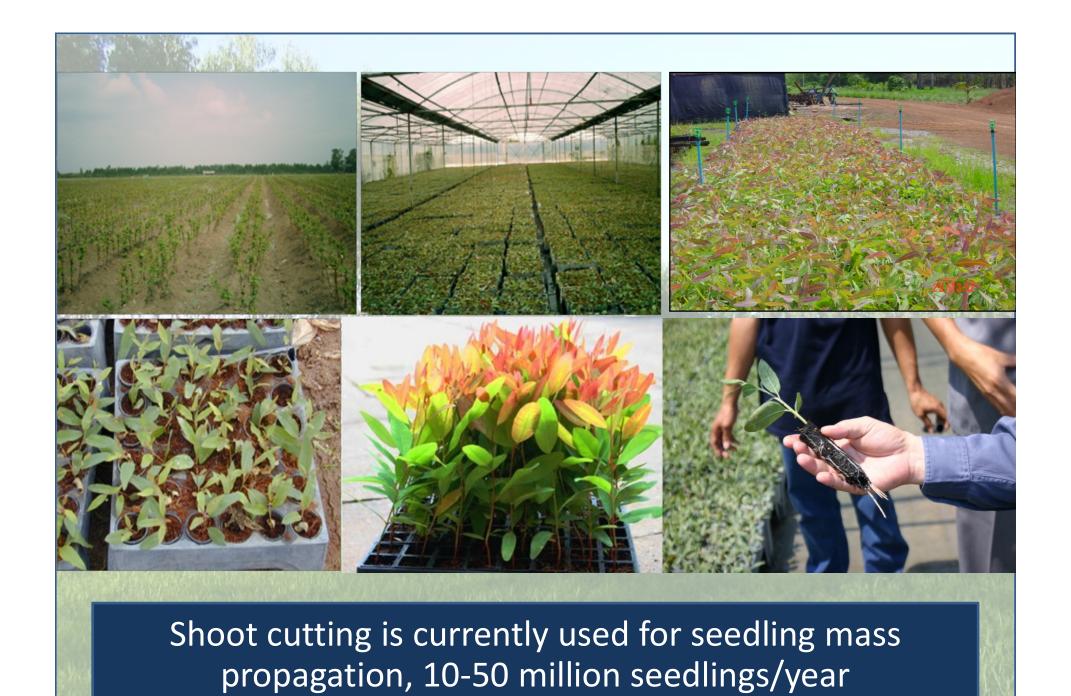




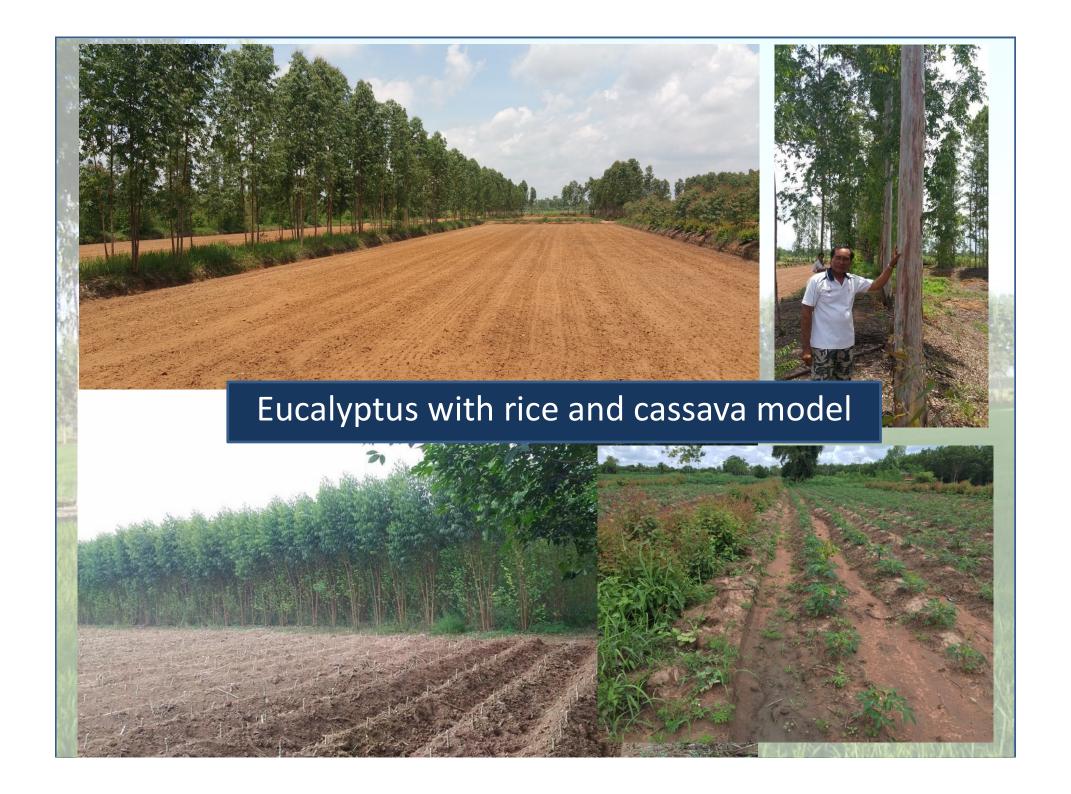


Regenerated Cellulose





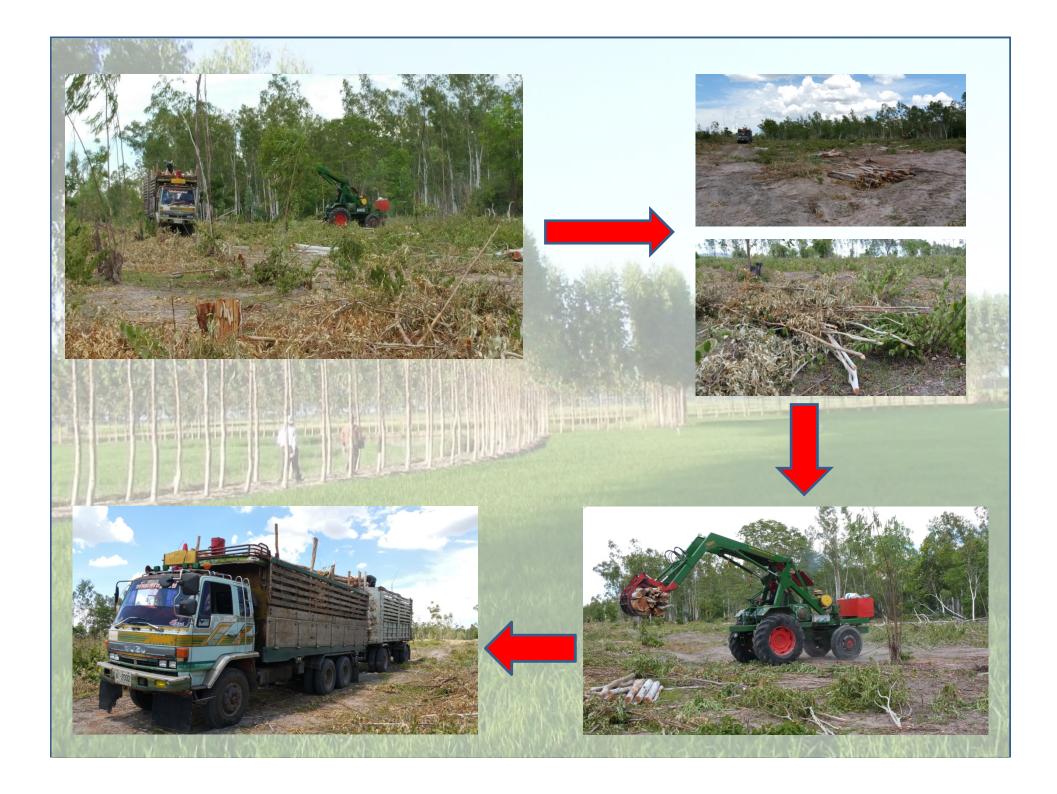




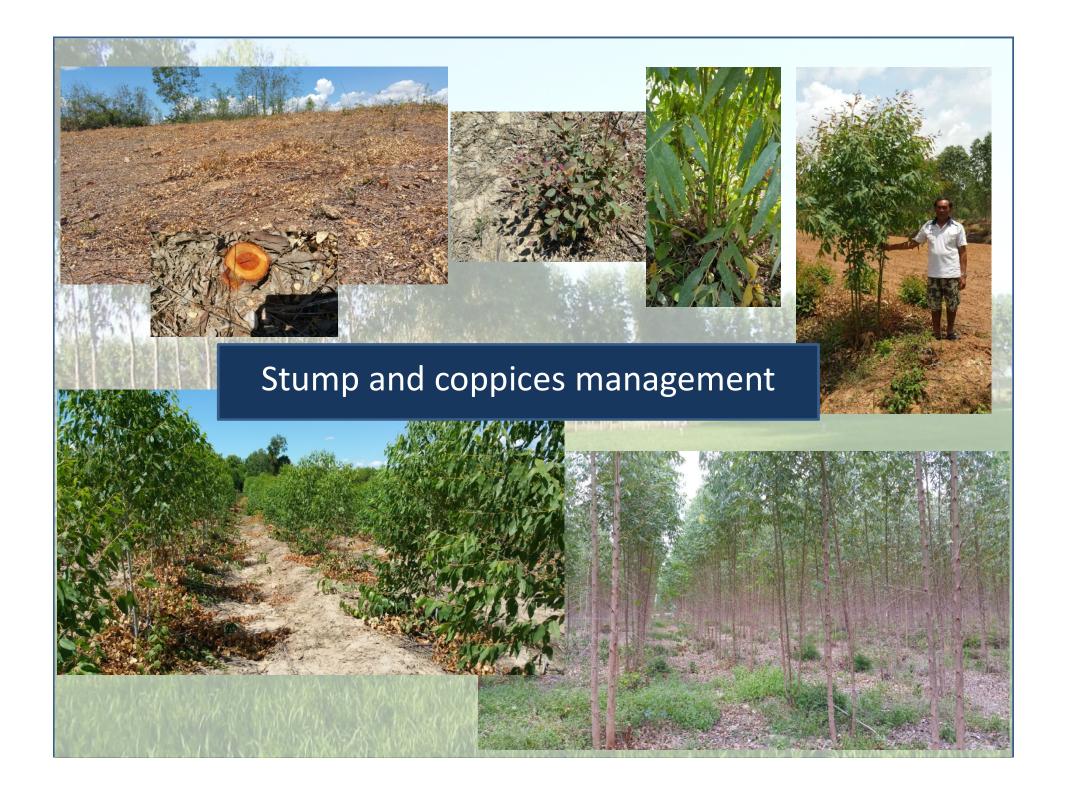




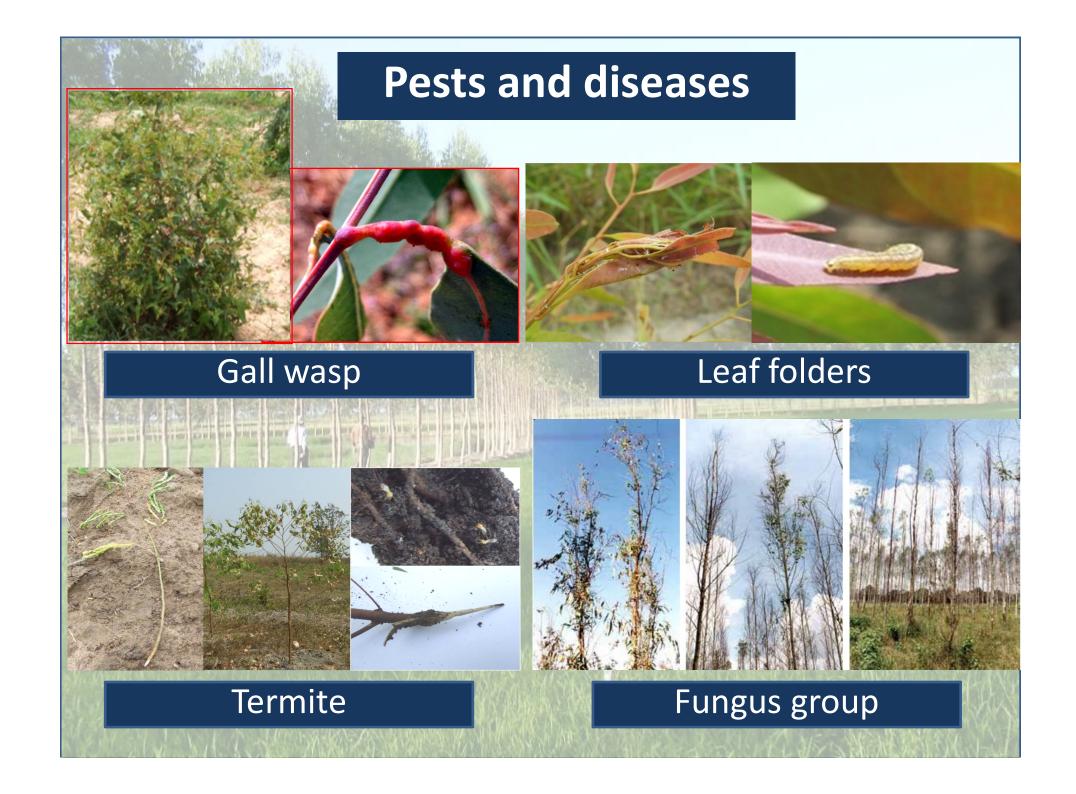












## **Conclusions**

- Nowadays, eucalyptus play an important role in pulp and paper industry in Thailand. Eucalyptus woodchip is exported to Japan, Taiwan and China, export value is more than 300 million USD annually.
- There are big paper and trader companies in Thailand, doing whole supply chain from genetic improvement, seedling production, plantation and extension to farmers (contract farming).
- Most of plantations are located in NE and E, shoot cutting is used for mass propagation seedling, 2x3 m is the most popular spacing which will provide 125 GT/ha in 5 years rotation.
- Management techniques relies on manpower which is high cost and becomes trouble in current situation with lack of labor. Therefore good silvicultural practice with mechanization is needed.
- Eucalyptus plantation is increase regards to positive market and policy of biomass and bio-refinery especially bio-power in the country and regional markets.

