

# Agroforestry Options for Timor-Leste

J. B. Friday

Extension Forester, University of Hawaii

- Watershed protection
- Range management
- Fodder banks
- Fuel wood
- Craft wood
- Sandalwood



# Watershed protection

- Loss of trees and ground cover plants
- Soil erosion
- Over grazing
- Soil compaction
- Increased runoff
- Downstream flooding
- Need protection of highlands, where most of the rain falls



# Watershed degradation: causes

- Over grazing
- Burning
- Shifting cultivation



# Over grazing

- Livestock eat all palatable grasses
- Weeds take over
- Soil compaction
- Increased runoff and downstream flooding



# Improved pasture management

- Rotational grazing, letting pastures recover
- Improved grasses and legumes
- Grazing lands are a “commons”
- Community issue



# Fodder banks

- Reduce grazing pressure
- Forage available in dry season
- High-protein forage
- Trees already in Timor
- Farmer acceptability of cut and carry system?



# Burning

- Promote grass growth
- Clear land for farming
- Hunting
- Vandalism
- Community issue
- Needs to be solved *BEFORE* tree planting starts



# Fuel wood

- Timor's main commercial forest product
- Sustainable?
- Fuel wood lots?
- Leaves as green manure or fodder?

