Pacific Island Forestry Short Course

Take-home lessons
The Target Tree

- Good planting stock doesn’t cost, it pays
Successful forestry projects meet clients’ needs
Steps in the Planning Process

1. Define Opportunity/Problem
2. Identify Issues (includes scoping)
3. Redefine Opportunity/Problem
4. Create Alternatives
5. Assess Alternatives
6. Decision/Solution
Fire Triangle

Heat

Oxygen

Fuel

FIRE
Prevent fires before they happen by managing fuels.

Social situation: why are there fires?
Species selection

- Consider many uses: GOALS
- Consider many sites
Goals: Trees for:

- Timber
- Traditional uses
- Medicinal
- Food
- Wildlife
- Beauty
- Firebreaks
Avoid invasive species
Site analysis

• How do planting sites vary?

• What species will do best in sites you’re given?
Weed control

• Possible to use a combination of herbicidal and mechanical
• Depends on weeds on site
Weed control critical for plantation survival
Windbreaks: Plan Ahead

- Protect new plantings
- Prevent wind throw
- Minimize breakage
- Maintain straight trunks
Fertilize where needed

• Especially in wet areas and poor soils
• Consider integrating nitrogen fixing trees
Forest/Tree Disease Control

Disease Triangle

Host  Resistance

DISEASE

Pathogen  Exclusion

Environment  Proper selection

Chemical Sprays usually not an option

Management of the forest/stand becomes key
Keep looking ahead!
Aloha