

Project Profile

Project Code:	NFRP 44
Project Title:	Evaluation and characterization of clones of Casuarina with reference to yield, tree form, biomass, pulping characteristics and key nursery pests.
Principal investigators	Dr Kannan CS Warriar, Scientist G Dr A Balu, Scientist G
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Funding Agency	ICFRE
Date of commencement of the project:	01-04-2007
Date of completion of the project:	31-03-2012
Budget Outlay	2545000

Objectives:

1. Study the genetic variability and evaluate the clones of casuarina with reference to yield, biomass and tree form.
2. Characterize the clones based on wood fibre characteristics
3. Screen the clones for the key nursery insect pests.

Summary:

87 clones of *Casuarina equisetifolia* were characterized for growth, tree form and pulping characteristics and end use specific clones identified based on the results obtained from three locations. Released three outstanding clones for public use. Genetically divergent clones (5 males and 10 females and 5 monoecious) were identified for further breeding programmes. 220 clones were categorized into 5 types namely resistant, very less susceptible, less susceptible, and moderately susceptible and highly susceptible.