

Project Profile

Project Code:	IFGTB/RP/106
Project Title:	Study of variation in <i>Pterocarpus santalinus</i> for growth and heartwood content according to edaphic and climatic factors in Tamil Nadu.
Principal investigators	Dr. Maheshwar Hegde, Scientist G
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Funding Agency	ICFRE
Date of commencement of the project:	01-04-2010
Date of completion of the project:	31-03-2015
Budget Outlay	Rs. 1100000

Objectives:

1. To study the variation in heartwood content in trees according to edaphic and other site factors.
2. To select trees in plantations for higher growth, desirable grains and heartwood content
3. To estimate the percentage of occurrence of wavy grained types in plantations.
4. To find correlation of morphological traits in trees to wavy grains.
5. To multiply the identified trees for further testing and germplasm assemblage.

Summary:

Various age class plantations of *Pterocarpus santalinus* L.f. in different Forest Divisions in Tamil Nadu were surveyed. Plantations were selected in each age class and observations were made for evaluation of growth and heartwood formation. Few plantations available in adjacent states viz., Kerala, Karnataka and Andhra Pradesh were also visited and data were collected. Sampling of the selected plantations was done based on the total area of the plantation with at least 3% sampling intensity.