

PROJECT CONTINUED DURING THE YEAR 2008-2009

External

Project 1: Development of Multitier Cropping Models for Medicinal Plants in Andhra Pradesh.

Status: Three crops of medicinal plants namely, *Andrographis paniculata*, *Oscimum sanctum* and *Withania somnifera* were raised in six ha area in combination with Teak+ Sandal, Rosewood+Sandal, Eucalyptus+Sandal trees and in combination with Teak and their respective sole crops. Rosewood +Sandal combination was found to be very suitable for the growth of all the three medicinal plants. *A. paniculata* followed by *O. sanctum* and *W. somnifera* are found to be better suited in that order. The germplasm of Asparagus was collected from Darwar, Vishakhapatnam, Ranga Reddy, Medak Dists, Mahabubnagar and Srisailam. Seed was harvested from *O. sanctum* and *A. paniculata*. The growth data of Teak trees reveal better growths in inter crop as compared to control.

Project 2: Genetic Improvement of *Melia dubia* and *Melia azadirach* through plus tree selection assessment of genetic variation and establishment of progeny trial (phase – I)

Status: 1. Raising of *Melia dubia* seedlings for progeny trial establishment. Collection of seeds from plus trees of *Melia dubia* and *Melia azadirach* for oil extent estimation. Studied morphological attributes of seeds of *Melia dubia* and *Melia azadirach*.