

### Project Profile

Project Code:	NFRP 96
Project Title:	Evaluation and identification of optimal parameters for flowering and fruit set in different Tamarind orchards ( <i>Tamarindus indica</i> L.)
Principal investigators	Dr. A.Mayavel, Scientist -E
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Funding Agency	ICFRE
Date of commencement of the project:	01-04-2010
Date of completion of the project:	31-03-2014
Budget Outlay	Rs. 577000

### Objectives:

1. To evaluate the influence of soil, climate and physiological factors on flowering and fruiting of tamarind orchards.
2. To study the effect of shoot and root pruning for improving flower and fruit production in unproductive tamarind orchards
3. To assess the effect of manures, potassium nitrate and paclobutrazol for enhancing vegetative growth, flowering and fruit development.

### ABSTRACT OF SIGNIFICANT FINDINGS

Tamarind is one of the most important multipurpose tree which is grown in farm land and also occurs naturally in the forests. Besides farmland, it is raised along roadsides and avenues earning the nick name “Avenue for revenue” (APFD, 2000). The tree is highly valued for its fruits. Its acidic pulp is favourite for making dishes and pulp of the fruit is antescorbutic, digestive, carminative, astringent, laxative, refrigerant and antiseptic. The tree is also timber, paper, medicine, food confectionary and textile industries (Marcarenhas *et al.*, 1987).

The large scale plantation activities have been carried out in south india particularly Tamil Nadu, Andhra Pradesh and Karnataka by farmers, forest department and tamarind based industries. Of late it was observed that tamarind plantation established by different stake holders were unproductive. To address flowering and fruiting problems in tamarind orchards a Project on “Evaluation and identification of optimal parameters for flowering and fruit set in different Tamarind (*Tamarindus indica* L.) Orchards have been implemented by Institute of Forest Genetics and Tree Breeding during 2010 to 2014.