

A herbal based repellent for termites on woody trees-REPTER

Technology Description

Termites are serious pests on shadow trees supporting the pepper vines in coffee/tea plantations and also stored wooden logs. This formulation repels the termites and thus wards of infestation by termites.

Background

Termites attack the wooden trees, especially the trees supporting pepper vines during the winter and pre-monsoon period. When the infestation becomes serious, coupled with abiotic factors like less rainfall, the infested tree dies, which takes another 15-20 years to find a replacement for the shadow trees. Termite management is an important component in the maintenance of wood trees. Though insecticides can be used for the management of termites, environmental safety is a major concern. To address this issue, the present botanical based repellent was developed.

Benefits /Utility

The formulation is plant based with appropriate stickers and dispersable materials which allow the formulation to stick to the trees. Once applied, the termites are repelled. This allows the tree to rejuvenate and grow. This technology commercialized to six firm.

Scalability, business & commercial potential

The technology can be extended to any scales. The formulation is greatly in demand.



Termite infested tree



Formulation treated tree after 6 months of treatment

Target Market/Customer

- Farmers
- Small Scale industries
- Self-help groups

Social Impact of the Technology

- The termite infestation can be reduced through the use of this formulation. This formulation can also be applied stored wooden logs. This formulation is not recommended for termite infestation in field crops.