

THE UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA

SCIENTIFIC DEPARTMENT

UPASI Tea Research Institute
Nirar Dam B.O.
VALPARAI - 642 127
Coimbatore Dist., S. India

Ref. No. _____

Date _____

DR/ENT/PPP-R/2000

29.06.2000

Jew^aReport on the Lab bioefficacy of Biocidine against pink mites

In the laboratory, a study was conducted to evaluate the efficacy of Biocidine (herbal systemic biopesticide) against pink mites by leaf disc method. For this purpose, leaf discs of 2 cm diameter cut from tea leaves were used and a known number of pink mites were introduced on to these leaf discs. Spraying was done with a fine atomizer. Unsprayed leaf discs were kept as control.

In the present study, the treatments were replicated five times and efficacy of the formulation was determined on 24, 48 and 72 hours after imposing the treatment. Results of the lab bioefficacy studies against pink mites are given in Table 1. Observations showed that the application of Biocidine @ 5 ml/l of water was effective against pink mites.

Table 1. Laboratory evaluation of Biocidine against pink mites

Target pest	Dosage	Percentage mortality after*		
		24 h	48 h	72 h
Pink mite (<i>Acaphylla theae</i>)	5 ml/l of water	26.67	60.00	73.33

* Mean of five replications

[Signature]
ENTOMOLOGIST