

**BIO-EFFICACY EVALUATION REPORT ON
Ozone Biotech Formulation of
NoTermite**

Materials and Methods

Ozone biotech formulation was evaluated for its efficacy against termites by three methods of application. The treatments were (i) Pressure, (ii) Dipping, (iii) Surface spray. The formulation was ready to use and was evaluated as such. The termite tests were conducted as per BIS: 4833-1968.

Air-dried rubber wood (a highly susceptible wood material) of standard sizes (30.5 x3.8 x 3.8) cm were selected for the tests. Each treatment was replicated 6 times.

- T1 - Pressure treatment (vacuum for 15 minutes and pressure of 50 psi for 30 minutes)
- T2 - Dip treatment (dipped for 48 hours in the preservative solution).
- T3 - Spray treatment (thorough spray of the formulation).
- Control - Controls

The treated rubber wood stakes were implanted in the timber test yard on 30th of September 2008. Observations on the termite infestation in the different sets of treated and untreated controls were taken at bi-monthly intervals. The percentage of damage, if any, in the treated and control wood material was recorded.

Results and Discussion:

The mean values of the termite damage (%) of the different treatments is given in the table below:

Table-I. **Bioefficacy of Ozone biotech** formulation (**NoTermite**) against termites in different treatments.

Name of the chemical formulation	Treatment	Percent of damage in different treatments after implantation			
		2 months	4 months	6 months	10 months
NoTermite	Pressure	0.00	0.00	0.00	0.00
NoTermite	Dipping	0.00	0.00	20.40	40.61
NoTermite	Surface spray	5.70	11.00	50.97	60.66
Controls	22.60	22.6	36.12	100	100

From the above Table it is evident that rubber stakes pressure treated with Ozone Biotech formulation was effective in giving 100% protection during the period under observation. After **6 months** of implantation, the termite infestation in controls was **100%** whereas the damage was 20.40% in dip treated samples and 50.97% in spray treated samples.

Thus, as per the above experiment rubber wood treated Ozone Biotech ready to use formulation, “**NO TERMITE**” is effective if it is pressure treated to protect wood from termite attack.