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INTERNATIONAL PTY LTD



Why should you choose the Nemesis Termite Monitoring and Baiting System?

July 2008



The Nemesis System:

- An integrated termite management system
- Monitor & eradicate subterranean termites as described in AS 3660.2 – 2000. [excluding *Mastotermes*]
- Innovative, flexible, non invasive, friendly
- The system is made in Australia by an Australian company. All the other major termite treatment baiting systems are owned and manufactured overseas by foreign multi-national companies. Nemesis creates jobs in Australia.



Second to none....scientifically assessed

- Nemesis has 3 Design Improvement Patents pending
- This is supported by a paper written by Dr Berhan Ahmed [ex CSIRO] from Melbourne University



THE INTERNATIONAL RESEARCH GROUP ON WOOD PROTECTION

Paper prepared for the thirty-eighteenth Annual Meeting, Wyoming, USA.

21-24 May, 2007

**Laboratory evaluation comparing three commercial chitin
synthesis inhibitor (CSIs) against the subterranean termites
Coptotermes acinaciformis (Froggatt) and *Mastotermes***

***Darwiniensis* Froggatt** by Dr. Berhan Ahmed, The University of
Melbourne, Building 142, ILFR, Parkville, Vic. 3010 Australia



What did the study deal with?

“Abstract

This laboratory bioassay report describes laboratory evaluation undertaken to compare the efficacy, and palatability of Exterra®, Nemesis® and Sentricon® as candidate bait toxicants against the subterranean termites *Coptotermes acinaciformis* (Froggatt) and *Mastotermes darwiniensis* Froggatt.”



Learning 1

“The laboratory bioassay results confirmed palatability and efficacy differences between the three commercial bait toxicants. Exterra is the most palatable of the bait toxicants, while Nemesis caused higher mortality rate with less bait substrate consumed.”



Learning 2

“Nemesis® with less bait substrate consumed had a higher mortality rate, while Exterra® had the highest bait substrate consumed with average mortality rate.”



Learning 3

“The effects of Exterra® and Sentricon® on the termites was observed after 38 days of the experimental set-up, while Nemesis® fed termites were turning pale white after 31 days of the experimental set-up in both termite species.”



Learning 4

“The effect of Exterra® and Sentricon® was relatively slower, but with similar toxicant action as that of Nemesis®.”



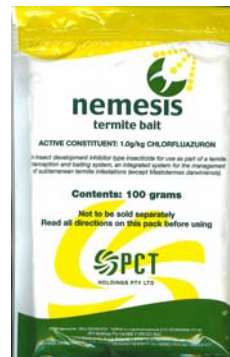
What does this mean?

- University laboratory trials have confirmed what our loyal clients have been telling us
- Nemesis Termite Bait works quicker than the other commercial baits
- You use less termite bait when you use Nemesis Termite Bait
- How can you afford to be using other systems when the Nemesis System is Australian, costs less, uses less bait and works quicker?



The System components

- NEMESIS termite bait
- The stations
- Manual
- Training
- Brochures
- CD ROM
- Website
- Support



Why is using termite monitoring & baiting technology so great?

- IT WORKS & there is less disruption and mess
- Reduces chemical hazard & delivers a better result for the environment
- Gives the professional timber pest manager and the client more effective options
- Termite monitoring and baiting is the only termite treatment method that has observable milestones.
- Dusting and/or Spraying cannot be verified. The mere absence of termites is not proof of indirect termite colony eradication.
- It can be integrated into any termite management plan.



Nemesis Bait

- is a white cellulose based feeding matrix which is actually a high food grade cellulose.
- The active is based upon the IGR chlorfluazuron.
- There is a concentration of one gram per kilogram active, accurately and uniformly distributed through out the matrix.



How does Nemesis bait work?

- The process relies upon the delayed effects of the non repellent toxin & trophallaxis
- The IGR in Nemesis is a chitin synthesis inhibitor
- Insect growth regulators do not kill termites
- The termites feed on the attractive bait which is not detected as being harmful.
- It is spread around the termite colony.
- The bait stops the ability of the affected termites to safely moult.
- Waves of termites are affected over a few months to the point where the termite colony collapses



Key performance indicators / milestones

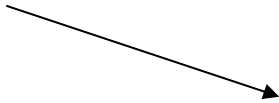




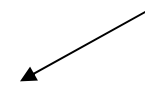




***Coptotermes* worker
prior to intoxication**



***Coptotermes* worker
post intoxication**







**Visible change in soldier to
worker ratio**



**A gelatinous mass of millions of
dead termites**



Information sources

TAKE A CARD & GIVE ME A RING

Product registration

* Refer to <http://www.apvma.gov.au/guidelines/bioequivalence.shtml>

Refer to <http://services.apvma.gov.au/PubcrisWebApp/ProductList>

Label, MSDS

www.pct.au.com

Further information about the Nemesis System

www.nemesis.au.com





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Thank You

