THE WORLD'S BEST TERMITICIDE

TERMIDOR®

For pest control professionals, controlling termites is like rolling a ball up a mountain. You'll get it so far, then gravity takes over and the ball returns to the bottom. To continue the analogy, you get paid for rolling the ball up once, but not the second and third times. So as well as being tiring, it's also unprofitable.

There has been no shortage of 'miracle' termite control solutions over the years. Ever since the effective but environmentally unfriendly treatments outlawed in the 80s and 90's, manufacturers have been adding more and more bells and whistles to their existing formulations. Their goal has always been to provide effective control across the widely varying soil and structure conditions in which termites live.

Some treatments have come up with promises that they can't quite seem to deliver. Others have gone so far as to tell you how to run your business. None have provided the kind of long-term, all sites, take no-prisoners control that would suit PCOs in every corner of the globe. And where a treatment has looked promising, it has failed to provide the magic combination that the market needs: speed, effectiveness and long residual in a responsible formulation. Until Termidor® that is.

Termites are a major cause of structural damage to buildings in Australia. In Australia, most buildings without termite protection will be attacked by termites within a short time of being built?

Protecting existing structures from termites is essential, and after years of searching for a better termite management solution, now there's a solution your customers will thank you for.

A New Class of Termiticide: Termite barrier plus colony management

Unlike other termiticides, Termidor uses a new class of chemistry - fipronil, from the phenyl pyrazole group.

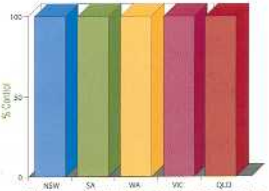
With this new active ingredient, Termidor has a unique advantage and mode of action that provides major benefits to pest control professionals and their customers.

Termidor provides a termite management solution never seen before in a termiticide.

Termidor is non-repellent to termites. This means that termites cannot detect and will not avoid areas treated with Termidor. Termites will quite willingly forage into the Termidor treated area, and by doing so, pick up fipronil on their bodies.

Importantly though, termites are unable to penetrate the treated soil before they die. This means Termidor can form an extremely effective and long-lasting termite barrier.

This barrier is not created by repellent action (a characteristic of the pyrethroid termiticides) but rather by Termidor's toxicant action, it kills the termites before they can breach the barrier.



EUP Commercial Trials. 22 Buildings treated during 2002 in Australia

In addition to forming a termite barrier, when Termidor is used, some interesting effects occur on the colony itself.

As fipronil does not kill termites immediately, the termites which forage into the treated soil, remain vital long enough to return to the colony, contact other termites, and transfer fipronil to other termites, before they die.

The end result is a decline in the activity of the colony.

Termidor is the only soil-applied termiticide that has this effect on the colony.

TERMIDOR®

New chemistry for an age-old

Termidor differs from organophosphate termiticides

Although the older organophosphate insecticides can be effective against termite infestations, high doses of these chemicals are required. Termidor on the other hand, provides the more modern, low-dose solution that customers are increasingly looking for.

Termidor consistently outlasts the organophosphates in the field. This has been observed in trials conducted throughout the world in a wide variety of conditions and soil types.

Termidor differs from synthetic pyrethroid termiticides

Pyrethroid termiticides are repellent compounds that keep termites away from treated structures. Whilst they are toxic to termites, this toxic action is rarely seen as the termites are repelled before they come into contact with the termiticide.

Because they act as repellents, it is important that no gaps be left through which the termites may gain access to structures. Termites that are initially repelled by pyrethroids can stay alive and continue to actively search for any gaps.

Termidor, on the other hand, does not repel termites, but kills them as they randomly forage and encounter soil containing Termidor. Because termites are unable to detect the toxicant in Termidor, termites continue to enter the Termidor treated soil and pick up their lethal dose.

Termidor differs from other non-repellent termiticides

Termidor differs from other non-repellent termiticides in two important ways:

First:

Termidor's mode of action works in two ways, by contact and ingestion. Contact with Termidor is the quicker result of the two effects on the termite.

Second:

Termites can pick up fipronil from soil and then transfer it to other termites in a manner that results in the death of large numbers of termites very quickly. This phenomenon is not seen with any other termiticide.




Termidor differs from baiting systems

Termidor is applied with standard spray equipment in the same manner as traditional termiticides. Baiting systems, on the other hand, require special tooling, equipment, and computer systems to monitor their success.

Termidor also works quickly, within 3 months, unlike currently available termite baits which use slow-acting insect growth regulators that may take 6 to 12 months or even longer, to have similar effects on the colony.

Termidor also serves to protect the structure, as well as affect the colony. Unlike baits where the toxicant is applied only once the termites have infested the bait station (which can be 3 to 12 months after installation), Termidor works to protect the structure and control the termites from the day it is applied.

Proven performance and reliability.

Termidor's performance has been proven in the field around the world, in all types of conditions, and in the most difficult to control situations.

Termidor can be relied upon to give the protection desired, whilst at the same time eliminating termites.

Termites cause more structural damage than any other insect. They're a widespread and widely recognised pest. It would take a new solution with several overwhelming advantages to have a profound effect on this huge and growing problem.

Termidor's unique list of advantages

- Unique mode-of-action
- 100% control, no exceptions
- Long residual
- Low dose
- Low odour
- The new standard in termite control
- Manages colonies faster than baiting systems

TERMIDOR®

Now that solution has arrived...

Termidor is the only termiticide that combines a unique mode-of-action, 100% control*, a long residual and the ability to debilitate colonies faster than baiting systems. All this comes in a low-dose, modern, and professional formulation.

It has proved its durability in tests that no other product can match. It has been used in more than 23,000 European homes without a single failure.

It has a reputation in the United States as a tough, no-nonsense termiticide that gets rid of infestations better than any other form of treatment.

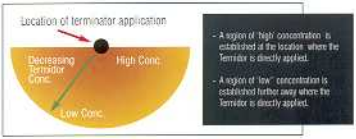
In Thailand, Termidor is now the biggest selling termiticide in the most difficult tropical conditions, after just one year and its use continues to expand.

Termidor is already setting a new standards in termite control and is clearly in a league of its own.

How does Termidor work?

When Termidor is applied to soil (either by rodding or trenching), Termidor will move outward from the point of application forming a concentration gradient.

Termidor will be most concentrated near the point of application, and more dilute as distance from the point of application increases (see below).



Termidor creates two types of responses when termites encounter it in soil.

When termites encounter a "high" concentration in soil, termites will die quickly and no further tunneling occurs.

When the termites encounter a low concentration, termites will die more slowly and some tunneling into soil can occur.

When termites first encounter Termidor in soil, because they generally come from outside the treated soil, they explore the region of lowest concentration first.

In this outer region, because the concentration of Termidor is very low, the lethal effects of Termidor are delayed. Some tunneling, may occur through this outer region but, through their exploratory behaviour, the termites pick up lethal doses of Termidor from the soil.

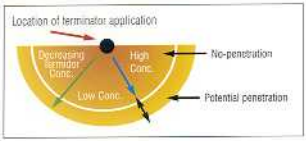
This is important, as we know that with Termidor termites can very effectively transfer it to many other termites before they die, resulting in debilitation of the termite colony.

If fresh termites were to tunnel further into the treated zone, they would come into contact with higher concentrations of Termidor, and as a result die faster.

Thus, as concentration increases, less tunneling occurs.

Within a short distance (depending on the concentration gradient) the termites will reach a concentration in soil such that termite mortality is rapid enough to prevent further termite tunneling.

Importantly, with Termidor, the concentration that will prevent tunneling is exceptionally low, and provided this concentration is maintained, termites are not able to penetrate the Termidor treated soil (see diagram below).



Two termiticides in one!

So Termidor creates two regions in the treated zone. But what does this mean?

First:- a highly effective barrier

It means that Termidor can be a highly effective termite barrier, preventing termites from breaching the treated zone and gaining access to structures.

The key to maintaining an effective barrier with Termidor, is to maintain a high enough concentration of Termidor in the soil. As this concentration is very low (initial estimates put this concentration down to as low as 100ppm fipronil) Termidor can provide long residual protection. This is evident from the field trials in Australia, Europe, the USA, Japan, Thailand and Philippines.

In temperate climates, rates of 0.06% are able to provide a minimum of 5 years protection. In fact, 6-7 years protection (as seen in the Japan trials) may be likely. Under tropical conditions, where termite activity is much higher, and breakdown of the active ingredient is more rapid, the same rate of 0.06% can provide protection for a minimum of 2 years. (5 years protection is yet to be confirmed, as trials have only run for 3 years under tropical conditions).

TERMIDOR®

It is important to note, that all other termiticides experience shorter residual protection under tropical conditions, and it has already been demonstrated in field trials, that Termidor outlasts, and out performs, the competition under tropical conditions.

Second:- "colony management"

When termites forage in the ultra-low concentration region of the Termidor treated zone, they create the opportunity for termites to transfer Termidor back to the colony.

Due to the ultra-low dose activity of Termidor on termites, this transfer by termites is sufficient in many cases to have a severely debilitating effect on the colony.

This is the most interesting and exciting phenomenon associated with Termidor treatments and is unique to Termidor.

With one application of Termidor, it is possible to protect structures as well as eliminate the threat to the structure by "managing" the colony.

When applied according to directions, Termidor will have minimal effect on the environment.

Termidor is applied at some of the lowest doses of any of the termiticides available today. It will not leach through soil and is not damaging to soil micro-organisms, earthworms or plants.

As with all termiticides, it is important to maintain follow-up inspections of 6-monthly or 12-monthly intervals, particularly where there has been a history of termite damage.

Termidor can be applied through traditional equipment used to apply liquid termiticides. It may be applied through rodding or spray apparatus.

Termidor is registered for use as a post-construction treatment around the perimeter and footings of buildings.

See the Termidor product label for recommended use rates, application directions, and safety precautions.

For further information contact your local Termidor representative.

Bayer Environmental Science
A Business Group of Bayer CropScience Pty Ltd
ABN 87 000 226 022
391 - 393 Tooronga Road
Hawthorn East Vic 3123 Australia
Tel (03) 9248 6888
Fax (03) 9248 6803

TERMIDOR®