PERFORMANCE of the NON-REPELLENT TERMITICIDE, CHLORFENAPYR, in FRANCE, JAPAN, and the USA

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Eliminating termites from structures is a real-world battle that requires vigilance, knowhow, and the best tools available. Chlorfenapyr, the active ingredient in MYTHIC®, STEALTH®, and PHANTOM®, is unique among termiticides and belongs to a class of chemistry called "pyrroles". Chlorfenapyr is non-repellent and is not a repellent barrier to termites. Termites do not detect it in the soil and will move through the treated zone to pick up a lethal dose. Laboratory studies have shown that mortality in termites can occur in as few as 2 days and as long as 14 days, depending on the dose and the type and length of exposure to soil or wood. In professional applications to structures using commercial equipment, chlorfenapyr effectively eliminated termite infestations within a month after application regardless of structural type, subterranean termite species, or infestation level. Chlorfenapyr demonstrated effective control and residual protection against all key subterranean termite species in treatments in France, Japan, and the USA. Performance of chlorfenapyr was measured against soil type, soil pH, and percent organic content of the soil; none of these factors adversely affected initial or residual performance. Chlorfenapyr is virtually immobile in soil and has very low water solubility, two characteristics that predict little or no potential for off-target movement; soil residue analyses show slow decline in the soil. These characteristics, combined with the results of up to three years of results from practical treatments, demonstrate and predict excellent residual control and protection from reinfestation.

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