

BOARD DEFENSE[®]

TERMITICIDE, INSECTICIDE and FUNGICIDE CONCENTRATE

BOARD DEFENSE SERVICE BULLETIN 4.01

Technical Information

Board Defense is an EPA registered insecticide, termiticide and fungicide for control of wood destroying insects and rot. It is a very versatile product for the protection and treatment of wood against all wood destroying organisms. Additionally, **Board Defense** can be used for general pest control.

Board Defense is a white powder that comes ready to use as a dust or in solution mixed easily in water. There are no hazardous solvents to use and no odors. The active ingredient in **Board Defense**, Disodium Octaborate Tetrahydrate, is a borate derivative that will not break down. Borates have been used as safe and effective pest control for over 40 years.

How is Board Defense used?

Board Defense is applied as a dust or solution for treatment of wood against wood destroying organisms or for general insect and fungus control. When applied as a solution, **Board Defense** will use the moisture present in wood to penetrate deep into the board. Since **Board Defense** does not break down, the active ingredient will be drawn deeper into the wood in time. This provides long lasting and effective protection.

How does Board Defense work?

Board Defense is a slow acting stomach poison to insects and an instant contact poison to wood rot and fungi. As wood destroying insects and their larvae carry on their normal activities, they accumulate **Board Defense** into their systems. General insects such as ants, cockroaches, crickets and others will ingest the borate through their feeding and preening habits. An accumulation of **Board Defense** acts to poison the insect.

Decay Fungi

Decay fungi, Brown Rot, Poria Incrassata, White Rot and Wet Rots are all killed on contact with **Board Defense**. Where moisture problems provide good breeding conditions for fungi, **Board Defense** will provide excellent long-term protection against future infection or colonization.

Termites

Termites that ingest treated wood will accumulate **Board Defense** and still move among the termite colony. Food transferred among individuals will also transfer the ingested **Board Defense**. As the borates take effect, individual termites

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become sluggish and stop feeding. The remaining termites will avoid affected individuals and the areas in which they die. **Board Defense** treated wood is unsavory to termites and is avoided. Additionally, **Board Defense** dusted into wall voids and injected into galleries is toxic to termites.

Beetles

Beetle eggs deposited on the surface of **Board Defense** treated wood will have a reduced hatch rate and any larvae that do hatch will soon die from attempting to eat the treated wood. Additionally, beetle larvae already infesting wood will ingest **Board Defense** as they tunnel to the surface of treated wood and pupate. Beetles may emerge but will not reinfest the treated wood.

Carpenter Ants

Carpenter ants cause rapid and devastating damage by excavating wood for nesting. **Board Defense** treated wood is very unpalatable and carpenter ants will not excavate it. When used as a dust, **Board Defense** can be placed in nesting sites, around wall voids, across conduit and around plumbing to control carpenter ants. **Board Defense** adheres to the pest's body and is ingested as the ant attempts to clean the powder off.

Cockroaches, Ants, Silverfish, Crickets, etc.

Board Defense is also effective against other general pests. As a powder **Board Defense** can be directly applied to insect harborage areas or in a solution as a crack and crevice treatment. As the insects crawl through treated areas, the **Board Defense** adheres to the insect's body. The tiny particles are then ingested as the pest attempts to clean the powder from its antennae and legs.

Targets Wood Destroying Organisms Including:

Decay Fungi
Subterranean Termites
Drywood Termites
Dampwood Termites
Carpenter Ants
Powder Post Beetles
Old House Borers
Flat Headed Borers

Brown (including Poria spp.), White and Wet Rots
Reticulitermes Coptotermes, Heterotermes
Kaloterms and Incisitermes
Zootertermis spp.
Camponotus spp.
Lyctidae and Anobiidae
Cerambycidae
Buprestidae

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