

niban[®]

G R A N U L A R B A I T



THE #1-SELLING
GRANULAR
BAIT
IN THE NATION.

Niban is your only choice when you want targeted killing power that eliminates pests, while producing minimal impact to the environment. Niban is so unique it has been granted two patents by the U.S. Patent and Trademark Office (#7,223,415 & #7,264,827).

The one product you need on your truck

Niban's formula includes a tough, weatherized granule that will last longer than any other on the market, providing you with a more effective kill between quarterly visits and minimizing your callbacks. Niban is your Green Choice with its patented formula and 5% boric acid active ingredient. Formulated with a concern for the environment, Niban is easy to use, it has no known resistance and it produces amazing results. Niban targets a wide spectrum of pests and can be used both indoors and out. That means you can spec one product more often, serve a greater variety of customers and enhance the profitability of your business.

What is Niban?

Niban granular bait is a patented borate-based insecticide combined with specially formulated attractants that lures pests to consume it as food. Once they do, the boron in Niban prevents their metabolisms from deriving energy from any food, and they starve to death. Social insects such as ants take Niban back to be shared, ultimately eliminating the entire colony.

Niban kills and prevents a wide range of different pests, including varieties of ants, cockroaches, silverfish, carpenter ants, crickets, earwigs, slugs and snails.

Use Niban all around your customers' homes and businesses – inside and out. Niban is a virtually odorless bait and will not break down over time, delivering long-lasting protection throughout the structure. Dusted into wall voids, under cabinets, and in attics, garages, basements, crawl spaces and pantries, Niban will remain where it is placed and stay effective until it is consumed. Outdoors, the product will stand up to heat, sunlight and as much as 4" of rain without degrading or molding. Apply Niban around the perimeter of buildings and places where pests nest and feed, including garbage areas, wood piles, mulch beds, gardens, cracks and crevices and moist areas.

Specifically targets pests

There's no better professional grade, all-around bait for targeting the two most prominent invading pests you deal with: cockroaches and ants. But Niban has been carefully formulated to attract and eliminate a wide variety of pests – its range of granule sizes means it's effective on different sized pests. And for those who need even smaller bait, there's Niban-FG, with the killing power of Niban in a fine granule size. This provides you with a single solution for a wide spectrum of common pests, including:

- ANTS: Argentine, Carpenter, Thief, Pharaoh, Little Black, Pavement, Odorous House and Crazy Ants
- COCKROACHES: Asian, American, Brown, Brown Banded, Smokey Brown, German and Oriental Cockroaches
- CRICKETS: Camel, House, Field and Mole Crickets
- SNAILS
- SLUGS
- EUROPEAN EARWIGS
- SILVERFISH



Application convenience

Niban is easy to use and is available in a 4-pound Comfort Grip® container, 5-pound shaker bag, 20-pound bucket and 40-pound box. The patented Comfort Grip jug acts as a convenient, comfortable and refillable container that saves you application time and money. Simply walk around the perimeter of the structure using the Comfort Grip container to apply the granules easily and effectively.

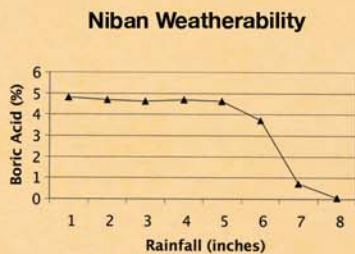


Long-lasting protection

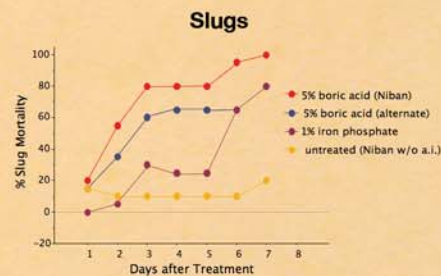
Many granular baits lose their effectiveness as soon as they get wet. Other baits photo-degrade with exposure to the sun, leaving them ineffective. But with Niban, all those problems are solved. Niban is a weatherized granular bait that won't degrade in sunlight or heat and can last through up to 4" of rain.

Another problem with other baits is that when they get wet, they mold, making them unattractive to pests as a food source. Niban will not mold. This provides your treated homes with protection that lasts long after other baits break down.

When areas are flooded or damaged by water, they become debris fields. As this debris decays, it becomes a haven for pests, and insect populations can increase exponentially and rapidly. As a result, a dramatic health hazard is created. Because long-lasting Niban is specially formulated to work in adverse weather, it's particularly effective in water damage situations, making it a powerful weapon in the fight against pests after flood conditions.



Niban stands strong in all kinds of weather. Even after 4 inches of rainfall, it will still contain enough boric acid to be efficacious and will not degrade.



In an independent study, slugs were exposed to two boric acid baits, a commercial iron phosphate bait, and a bait without an active ingredient. Niban killed all slugs within 8 days.

Niban is the choice for Green Pest Management®

Formulated with boron, an element that is found throughout nature, Niban poses a very low impact to the environment. It's an excellent choice for use around homes and businesses, since boron is already found in virtually all ecosystems. In fact, boron is an essential micronutrient for plants and animals. So, as the Niban granules dissolve, the borates simply become part of the background levels of boron.

Many baits intended for pests can be a hazard for pets and wildlife. Birds are one of the most sensitive species to these effects. So, when the New York City's Central Park Zoo bird aviary needed to control cockroaches, they chose Niban. After more than 10 years, there have been no reported problems... unless you're a roach.

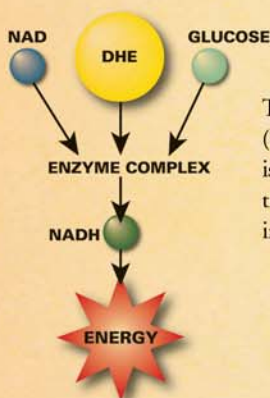


Niban is also formulated with food-grade attractants that act as compelling lures to pests but pose no danger to the environment. And with an active ingredient of 5% boric acid, Niban has a low mammalian toxicity, as measured by its LD₅₀ numbers. The LD₅₀ test is a common scientific means of determining the acute toxicity of a given material by measuring its poisoning potential. It is based on the “Lethal Dose” of toxicant that produces 50% mortality in a test population. With an LD₅₀ of more than 5,000 mg/kg required to produce this level of mortality, Niban’s oral toxicity is technically less than that of common table salt*.

But Niban doesn’t need high levels of toxicity to work because it doesn’t kill by poisoning. Instead, it takes advantage of a unique feature in the biology of roaches, ants and other pests, and prevents them from being able to extract nutrition from its food, causing the insect to starve regardless of the amount of food it eats. This effect only occurs in pests such as insects, slugs and snails. Humans, pets, birds, fish, amphibians and other living things don’t share this risk because they are able to absorb the boron they need, while excreting the excess from their systems.

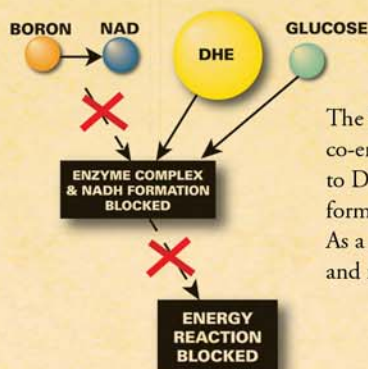
And because Niban doesn’t attack the central nervous system, pests don’t develop resistance to it—ever. This makes Niban the perfect choice for those tough-to-control areas.

NORMAL METABOLISM
A simplified view



The NAD co-enzyme combines with DHE (dehydrogenase enzyme) & glucose which is broken down. NADH is a by-product that ultimately produces energy when fed into the electron transport chain.

INTERRUPTED METABOLISM WITH BORON
A simplified view



The Boron molecule attaches to the NAD co-enzyme, blocking NAD from attaching to DHE (dehydrogenase enzyme) and preventing formation of the enzyme complex and NADH. As a result, the glucose reaction is also blocked, and no energy is released.

Niban is the Organic Choice

Niban is also OMRI approved as an insecticide for structural pest control provided there is no direct contact with food or crops. OMRI, the Organic Materials Review Institute, is an impartial, non-profit organization that provides the organic community, and the general public, with an independent review of products that are both allowed and prohibited for use in the production, processing and handling of organic food and fiber. OMRI approved products may be used on certified organic operations under the USDA National Organic Program.



Green Pest Control Solutions

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*Niban should always be applied according to label instructions. It is not meant for consumption by humans, pets or wildlife. Refer to the label and Material Safety Data Sheet for more information.