

SWITCH TO

niban®

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



GRANULAR BAIT

KILLS & CONTROLS ANTS*,
COCKROACHES, CRICKETS, EARWIGS,
SILVERFISH, SLUGS & SNAILS

*except for fire ants

Broad label, simple application, consistent results

Niban Granular Bait is an OMRI-listed, professional-grade solution for a wide array of pests, including ants, cockroaches, silverfish, crickets, and more. It is easy to apply, rain or shine. The active ingredient is boric acid, a mineral salt that is made up of boron. Because boron is a naturally-occurring element, it won't break down like synthetic chemicals can, making Niban effective as long as the boron is physically present.

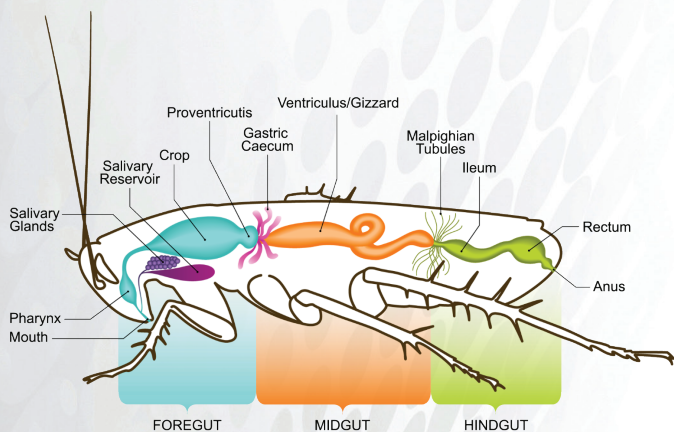


Let ants deliver Niban to their colonies

Sweet-feeding and grease/protein-feeding ants are highly attracted to Niban in any season. You can even use Niban for the control of carpenter ants. Because ants are so attracted to it, they will deliver Niban directly back to their colony--and their queen(s). Ants are one of the top reasons for costly callbacks in the industry. **Niban helps you eliminate them.**



The Science of Borates



Boron is an effective pesticide with **multiple modes of action**. Because insects cannot process it, it builds up in their systems, **halting energy production** by shutting down critical cycles at the cellular level. This inability to process boron facilitates two other modes of action. Borates **affect an insect's gut**, leading to structural changes in foregut and midgut, even completely destroying the midgut at higher concentrations. It also has **neurotoxic effects**, reducing some enzyme activities and paralyzing insects via muscle fatigue. While the impact of boron on insects is fatal, it is not harmful for the majority of the natural world. **Mammals, fish, reptiles, and birds can all process boron** safely and effectively, and are therefore able to excrete any excess.

Cockroaches consume Niban

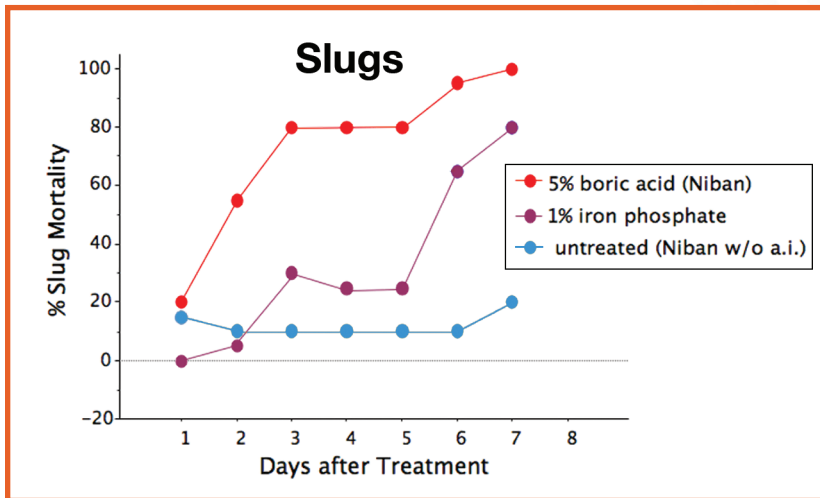
Made with 95% food-grade attractants like sugars, fats, proteins, and carbohydrates, Niban is filled with the tastes that cockroaches love. Niban is effective against a broad range of cockroach species and there have been no known instances of insects developing resistance or becoming avoidant. Niban has been specifically formulated to strike the ideal balance between attractant and active ingredients. **Niban is a long-term solution or an ideal candidate for inclusion in a bait rotation program.**

Application convenience

Niban is easy to use and is available in a 4-pound Comfort Grip® shaker container, 10-pound bag, and 40-pound box. The Comfort Grip shaker acts as a convenient, comfortable, and **reusable container that saves you application time and money.** It can also be applied in indoor and outdoor bait stations.

Long-lasting protection

Niban is a specially formulated weatherized granular bait that won't degrade in sunlight or heat and can last through rain. Many granular insecticides and baits lose their effectiveness as soon as they get wet. Other granules degrade in heat or photo-degrade with exposure to sun, leaving them ineffective. Some can even grow mold in high moisture environments, making them unattractive to pests as a food source. **With Niban, all those problems are solved.**



Left: 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 (Insect Investigations, 2006).



Niban is the choice for Green Pest Management®

Niban is great for maintenance programs and sensitive accounts. Formulated with boron, an element that is found throughout nature, **Niban poses a low impact to the environment.** It's an excellent choice for use around homes, businesses, schools, hospitals and other sensitive accounts. In fact, at low levels boron is an essential micronutrient for plants and animals.



Niban specifically targets pests

There's no better professional grade, all-around bait for targeting the most prominent invading pests that you will encounter, and its range of granule sizes means it's effective on pests of different sizes. For those who need an even smaller bait particle size, there's Niban-FG, with the killing power of Niban in a fine granule size. Niban is labeled for:

ANTS: Argentine, Carpenter, Thief, Pharaoh, Little Black, Pavement, Odorous House, and Crazy

COCKROACHES: American, German, Brown, Asian, Brown Banded, Smokey Brown, and Oriental

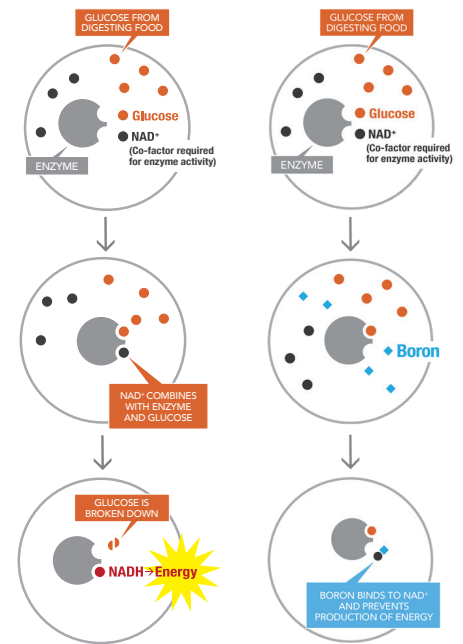
CRICKETS: Camel, House, Field, and Mole

SNAILS • SLUGS • EUROPEAN EARWIGS • SILVERFISH

How does boron work *exactly*? Here's some more science!

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

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 cannot be broken down, and no energy is released.



Above left: Insects metabolize food into energy under normal conditions.

Above right: Boron disrupts this process for insects.

Application

Outdoors:

- As a perimeter treatment around structures
- Around flower beds and gardens for slugs and snails
- Around wood piles for carpenter ants
- Near garbage receptacles and dumpsters
- Around ant mounds
- Under porches and decks
- In outdoor bait stations
- To sewers and manholes



Indoors:

- In overhangs and attics
- Under kitchen and bathroom cabinets
- Into wall voids and plumbing penetrations
- Into cracks and crevices
- In bait stations in areas accessible to children and pets
- Under dishwashers and stoves
- Into gaps in baseboards, door frames, and windows

Special Offer

Contact your Nisus sales representative and receive a **FREE** customized Comfort Grip® service container for your routes.

