



**NATURE LED INNOVATION**

f @GronicCo



**BE ORGANIC**



# About us

We are a customer-oriented company with over 10 years of experience in developing, producing and supplying safe green solutions for agriculture. We specialize in supplying Baculoviruses semi-chemical lures and traps to monitor insect pests and promote sustainable Integrated Pest Management (IPM) within agricultural, horticultural, storage and urban setting. Our goal is to promote a more effective, economical and environmentally friendly approach to pest management by incorporating sound IPM principles and science in the monitoring systems that we offer. We are also able to offer our customers help with pest identification, advice on suitable control strategies and effective practices that can be carried out to minimize outbreaks.







We are able to offer our customers the full package required to carry out an efficient pest monitoring program. In addition to our wide range of pheromone lures and Baculoviruses, we offer the most suitable traps for each pest species and supply our customer with all the relevant information, advice and documentation needed to manage their pest problems. Management decisions are only as good as the data that they are based upon. If a well- designed monitoring program is carried out the information recovered will be accurate and the decision on when to time a spray to catch exposed pests, for example, will be correct





# Why use our products?

All the products that we offer are based upon research, trial results, and customer feedback. We are constantly striving to develop products and solutions for new and emerging pests while also improving upon our current range when the opportunity arises. As we begin to see more evidence of regional that we remain abreast of those knowledges and offer the most suitable lure for a species in a particular region to the benefit of our customers. We use feedback and trails from across the globe to determine the best solution for a particular pest.

	Conventional pesticides	Gronic solutions
 Safety	Poisonous& possibly toxic, ahuman health concerns.	Completely nontoxic; safe for humans pets and environment.
 Residue	Spray 100% of crop high residue risk	Contacts < 1% of crop –zero residue risk
 Approach	Reactive – chasing after pests	Proactive – control pests before they become a problem
 Collateral damage	Kills beneficial insects (e.g. bees, ladybugs)	Species-specific –only affects target pest
 Environmental footprint	Risk to soil & water systems	Soil & water systems unaffected
 Efficacy	Short field life, high of resistance	Long field life, no risk of resistance.





# BIOSAFE

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Residue problems, costs of sprays, scheduling sprays around irrigations and when workers are not present, health and safety liability risks, even insurance costs, may be reduced when beneficial insects assume more pest management chores.

In many cases, crop yield and quality improve as previously unrecognized adverse pesticide effects on plant physiology disappear. Resistance problems, and outbreaks of secondary pests like spider mites, whiteflies and leafminers are avoided. There are also public relations and marketing benefits from using this "green", environmentally-friendly alternative to conventional chemical control.





# Section 3- FungSafe

*Natural microorganism protecting plant against pathogen attacks*

Beauveria bassiana is a species of fungus naturally found in the soil. This living organism acts like a parasite, infecting different types of invertebrates (insects, mites, etc.).

There are several Beauveria bassiana strains. The advantage of commercialized strains is that they better target pests like aphids, thrips and whiteflies.



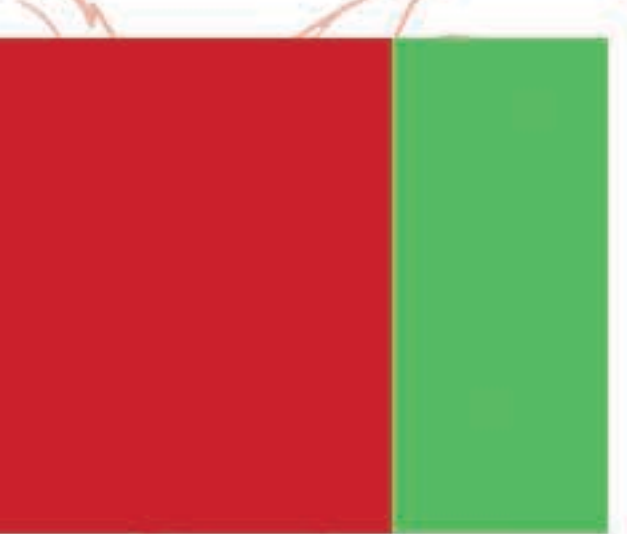
## Fungi Beauveria Bassiana are safe

These products are generally non-toxic to beneficial insects, however, applications to areas where bees are actively foraging should be avoided. Beauveria products should not be applied to water, as they are potentially toxic to fish.

## How do Fungi Beauveria Bassiana work?

Beauveria bassiana is a fungus which causes a disease known as the white muscadine disease in insects. When spores of this fungus come in contact with the cuticle (skin) of susceptible insects, they germinate and grow directly through the cuticle to the inner body of their host. Here the fungus proliferates throughout the insect's body, producing toxins and draining the insect of nutrients, eventually killing it. Therefore, unlike bacterial and viral pathogens of insects, Beauveria and other fungal pathogens infect the insect with contact and do not need to be consumed by their host to cause infection. Once the fungus has killed its host, it grows back out through the softer portions of the cuticle, covering the insect with a layer of white mold (hence the name white muscadine disease). This downy mold produces millions of new infective spores that are released to the environment.





# Our FungSAFE product

Application of Fungi Beauveria Bassiana takes place using FungSAFE powder. The key characters of our product are reducing the insect feed, lethargy; dead insects swell, and may be covered with fungi.

Our FungSAFE product works against: Mealybug, ceratitis capitata, bactrocera zonata, batrachedra amydraula, rhynchophorus ferrugineus, aphids, whiteflies, leafhoppers, flies, beetles, caterpillars, thrips, mites; some beetle larvae, and others.



## Optimum Protection

Well mixable with fertilizers and plant protection products



## Target the Right Insects

Safe for non-target organisms, such as beneficial insects



## Reliable Quality

Good protection for beneficial organisms against ultraviolet and infrared radiation.







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