



Leaders In Safe & Green

Insect and Pest Control

BioRational
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Danger To Your Plants

Insects are the most prevalent and largest class of living animals on the planet. There are currently twenty seven orders of insects that are recognized by entomologists and about half of them attack the Cannabis plant.

Most damage to the Cannabis plant is caused by caterpillars feeding and boring into the stems. Feeding on these stems causes larger flowering tops to break while attacks on the smaller branches causes wilting of the distal plant parts.

Protecting Your Plants

Our goal here at BioRational is to help keep your plants safe from pests. These pests can potentially destroy and kill your Cannabis plants while also harming your business by affecting your total crop outcome.

We use only the safest and greenest products while stressing effectiveness and longevity. Our green products keep your consumers safe as well as you when applying them to your Cannabis plants.

BioRational Bullet

The BioRational Bullet is an easy to use spray system. It features a quieter, low maintenance 4 stroke engine.

The best news is that the Bullet is one of the most economical units of it's kind. With up to 60 minutes of runtime on every tank of gas, you save on fuel and oil.

The 358 CFM blower causes particles to virtually disappear with a powerful air stream, and makes the Bullet much less obtrusive than similar units.



Indoor & Greenhouse Solutions

Aphis, Whiteflies, Leaf Hoppers, and Mites can all cause serious problems with the development of your Cannabis in greenhouse and indoor growing environments. Our products effectively stop these insects from harming your plants.

With our easy to use BioRational Bullet spray system and B-007-BK attachment kit you can safely apply commercially available liquid control materials such as BiFen. The BioRational Bullet is best suited to apply "Ultra Low Volume" materials such as Pyrethrin. Pyrethrin is a pair of natural organic compounds that are derived from the Chrysanthemum cinerariifolium plant. Pyrethrins are non-persistent, biodegradable, and breakdown on exposure to light therefore leaving you with a safer, greener, more organic product.

You can also use the BioRational Bullet fitted with attachment kit to apply commercially available liquid fertilizers such as Nachurs N-P-K, Atami Foliar Boost, or Spray-N-Grow



The BioRational Bullet spray system

Outdoor Solutions

The same control methods for indoor and greenhouse pests apply to the control methods for outdoor Cannabis farms in addition to the protection against crickets.

For protection against Cutworms, Stem Borers, and Budworms we recommend the BioRational Bullet spray system with the B-007-BK attachment kit to apply liquid control materials such as BiFen. We also recommend the same "Ultra Low Volume" application as indoor environments with addition to the application of BTI product formulations.

Other usable products with the Bullet include Align, Azatin and Turplex. These products are derived from azadirachtin, a key insecticidal ingredient found in the neem tree. Azadirachtin interferes with insects in a natural way. It breaks their life cycle by interfering with their ability to molt and grow into an adult.