



# BioSolutions for Redheaded Flea Beetle

*As soon as a few adult beetles appear it's time to act!  
Fight this stubborn pest with Capsanem and Isarid™.*

## The Problem That Returns

Foliage riddled with shotgun holes is the signature damage of the redheaded flea beetle. When it strikes high-value crops such as hydranges, cornus, itea and weigela, the retail value is ruined.

### When to act

As soon as a few adult beetles are observed it's time to act. Although the damage may be minor now, many more will come. Adults mean more eggs and larvae already exist in the media, leading to steady waves of sturdy, durable adults in the future. Once established, an infestation becomes a stubborn homegrown problem.

Koppert recommends Capsanem and Isarid™ to combat this pest. A number of studies and working farms have verified this solution.

## Break the Cycle: Target the Larvae

Solutions targeting only the adult flea beetle generate meager results. The adults are remarkably resistant to treatment and lost individuals are quickly replaced by larvae that pupate in the soil.

### A better solution

Target the Achilles' heel of the redheaded flea beetle by attacking the unarmored larvae. Although they burrow deep into the soil, Capsanem and Isarid™ catch and kill the larvae using predatory nematodes and fungi.

Application timing is especially critical with flea beetles. Soil warmth activates the larvae, so a window of opportunity exists within a short time. Contact your Koppert technical consultant for details.

## Koppert IPM Toolkit for Beetles



Capsanem

*Capsanem are nematodes that enter the larvae, releasing symbiotic bacteria to dissolve the pests from inside.*



Isarid™

*Isarid™ is beneficial fungi that lie in wait for the larvae. Once in contact, spores activate and disrupt the internal organs.*

# We're Here to Help!



## The Client Visit Report

With every client site visit, Koppert advisors make an in-depth Visit Report (VR) based on their observations and conversations. Starting with an overview of the crop and current BioSolution in place, it details what is working and any problems that remain or have arisen. This is followed by recommended solutions.

Regular visits and VRs are useful tools for the efficiency of an operation. Potential problems can be spotted quickly before getting out of control, and any blind spots in the existing IPM program can be promptly identified and remediated.

## Safety in Numbers

Koppert's expert advisors are part of a larger, national technical service team of professionals and regional specialists stationed around the country. They develop an effective, crop-specific BioSolution strategy to solve problems within the confines of a facility and its labor force.

## The Koppert BioSolution Package

Built by growers for growers, Koppert ships dependable products with reliable schedules and predictable costs. Shipments are checked for quality and viability numerous times in transit to confirm that the product delivered matches the promises made.

## Contact Koppert

800-932-8875  
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## Skill and Knowledge

Koppert's expansive technical team has developed many effective BioSolutions over the last 20 years. Their growing experience combines the latest innovations in biocontrols with practical, field-tested results on crops both large and small. They've confronted most problems firsthand and built successful bioprograms for a wide range of growers.

## Consultant Spotlight



Chris Anzell has spent his career working in a variety of crops, starting as a grower and working with nursery crops. Collaborating with growers, he creates BioSolutions that fit the needs of their evolving pest control issues.



Phil Gerry has worked with crops for over a decade, first as a grower and then as an IPM manager. He has overseen production, identified harmful insects and pathogens, and created BioSolutions to help guide growers' overall success.



Heidi Doering works with a number of growers in the Midwest. Well-informed on ornamental bioprograms, her experience in production, sales, and plants fuels her passion to mentor growers from conventional through biological IPM.