

MBI-203

EP Bioinsecticide

A new product to protect fruiting vegetable crops from yield-robbing pests

Introducing MBI-203

MBI-203 is a unique new generation insecticide/miticide that provides selective control of certain lepidopteran insects, lygus, plant bugs, psyllids, thrips and mites. The active component of MBI-203 is the spent fermentation media and cells from *Chromobacterium subsuge* strain PRAA4-1T. Its natural origin and mainstream performance make it the product of choice for base programs, integrated programs and chemical residue management. MBI-203 presents negligible effect on pollinators and other beneficial insects. Shortest REI and PHI provide maximum flexibility.

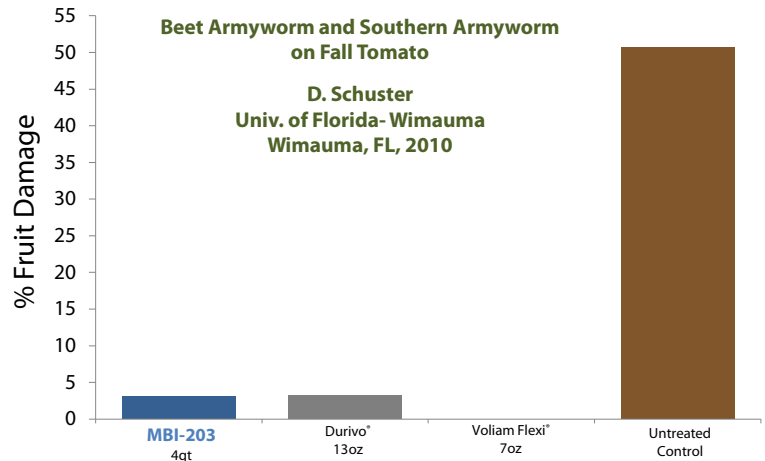
Use MBI-203 on the Following Fruiting Vegetable Crops:

Tomato • Tomatillo • Pepper • Okra
Pepino • Groundcherry • Eggplant

Ideal Partner for Resistance Management & IPM Programs

Many vegetable insect control programs start with an early application of insecticides for residual systemic control. Preventing the development of resistant pest populations requires utilizing a different chemistry and mode of action as the next treatment.

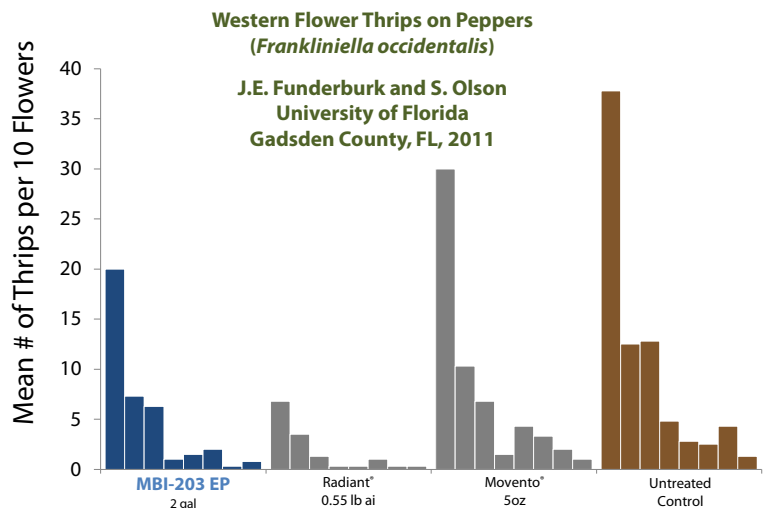
MBI-203 presents a new mode/mechanism of action with activity through contact, ingestion, and repellency. Symptoms of the pest after exposure to MBI-203 will include feeding cessation, weight loss and pest death. MBI-203 is of minimum risk to beneficial insects that are necessary for pollination and non-toxic to predators and parasites.



- Treatments applied on Oct 7, Oct 13, Oct 22, Oct 28, Nov 2, Nov 11, Nov 17, Nov 22, Nov 30.
- Fruit was harvested Nov 17, Nov 30, Dec 13.

Use MBI-203 for Control of the Following Pests:

Loopers • Hornworms • Lygus
Tomato fruitworm • Plant bugs
European corn borer • Thrips
Armyworms • Tomato pinworm
Saltmarsh caterpillar • Psyllids
Mites • Variegated cutworm



- Treatments applied Apr 28, May 5, May 12, May 19.
- Thrips counted on Apr 30, May 4, May 7, May 11, May 14, May 18, May 21, May 25.

Manage Season-End Residues

MBI-203 is an excellent choice to manage chemical residues. With a zero-day pre-harvest interval and EPA exemption from tolerances; MBI-203 is your insect control option up to the day of harvest. MBI-203 is registered for conventional and organic production.

Best Use Recommendations

MBI-203 is an excellent choice for application following early-season systemic products and prior to harvest. For best results, use MBI-203 at 4-quarts per acre for control of caterpillar pest and 8-quarts per acre for control of sucking insects and mites.

Close scouting and early attention to infestations is important. Applications should target newly hatched larvae, nymphs or mites. Because MBI-203 is not systemic, thorough coverage of infested plant parts is necessary for effective control.

Under heavy pest populations, use the higher label rate, shorten the spray interval, and/or increase the spray volume to improve coverage. To enhance control, consider tank mixing with contact insecticides/miticides.

Always use a good quality, non-ionic surfactant (NIS) containing at least 75% surface agent.

Features & Benefits:

- 3 New Modes of Action: Active through ingestion, contact, and repellency
- Re-Entry Interval (REI) = 4 hours
- Pre-Harvest Interval (PHI) = 0 days
- Use in field or greenhouse applications
- Use with ground or aerial applications
- Minimum risk to beneficial insects
- NOP compliant and OMRI approved



www.MarroneBio.com

For more information on MBI 203,
contact your local retailer, or call:

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David Warman, Director of Sales, 336-202-3433

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