

Verimark® Insect Control

Powered by Cyazypyr® active



COLE CROP

Help your transplant cole crops realize their ultimate potential.

Cole Crop — Tray Drench Application to Protect Against Cabbage Maggot

Verimark® insect control, powered by Cyazypyr® active is a groundbreaking product from FMC that provides early-season protection from cabbage maggots and other key pests for visibly vigorous plants from start to finish. Verimark insect control helps growers produce a stronger crop in the field for a more appealing crop at harvest.

Verimark insect control provides lasting benefits, including:

- **Superior crop establishment:** Verimark insect control helps establish transplants when applied to the roots via tray drench application.
- **Effective and extended crop protection:** Verimark insect control applied via tray drench application at 13.5 fl. oz./A protects plant roots and stems from cabbage maggot damage, reducing plant stand loss and increasing plant vigor and yield.

- **Advanced formulation optimized for soil applications:** The Verimark insect control formulation is optimized for root uptake to provide maximum residual control and crop safety to tender roots and shoots. It protects roots, older leaves and new growth from a cross-spectrum of pests and helps provide consistently better yield and quality results at harvest.
- **Opportunity for improved yield:** Early-season vigor with Verimark insect control gets crops off to a strong start and creates an opportunity for improved yield.

Verimark insect control

Active ingredient name: Cyantraniliprole

Chemical class: IRAC Group 28, *anthranilic diamide*

Formulation: 1.67 SC lb. ai/gal.

Registered by the EPA under its Reduced Risk Pesticide Program for all labeled crops

PHI: N/A

Short REI: 4 hours





Cabbage maggot (*Delia radicum* L)



Verimark® insect control 13.5 fl. oz./A tray drench
Salinas, Calif. (WEI-13-030)

Untreated

Verimark® insect control Use Rates — Brassica (Cole) Leafy Vegetables (EPA Group 5)¹

Rate range (fluid ounces product per acre)	Pest spectrum	PHI (preharvest interval) (days)	REI (reentry interval) (hours)
5.0–10.0	Beet armyworm, corn earworm, diamondback moth, ² imported cabbageworm, western yellowstriped armyworm	N/A	4
6.75–10.0	Cabbage looper, cabbage webworm		
6.75–13.5	Cabbage aphid, flea beetle, green peach aphid, leafminer (<i>Liriomyza spp.</i>), whitefly ³		
10.0–13.5	Thrips (foliage-feeding only), ⁴ cabbage maggot		

¹ See label for specific crops.

² Diamondback moth resistance management — Do not apply cyantraniliprole containing products, more than twice to any generation of diamondback moth or within any 30 day period. After the second application of Verimark insect control for diamondback moth, rotate to another effective product with a different mode of action (i.e., a product with a different IRAC group number). Application(s) to the next generation of diamondback moth must be with an effective product with a different mode of action. Do not apply less than 5 fl oz of Verimark insect control per application per acre for diamondback control. Do not make more than 6 total applications per calendar year of any cyantraniliprole-containing products for control of diamondback moth at the same farm location.

³ Allow 1-3 days for Verimark insect control to be translocated into the aerial portions and to fully protect the transplants following an at-plant application. During that time and when populations are high, use in conjunction with an effective foliar whitefly control program.

⁴ Suppression only. Use as part of an overall effective thrips control program. Rotate to products with a different modes of action.

For best results, including broadest control spectrum and longest residual, use Verimark insect control at 13.5 fl. oz./A for tray drench applications.



Recommendations for control of cabbage maggot

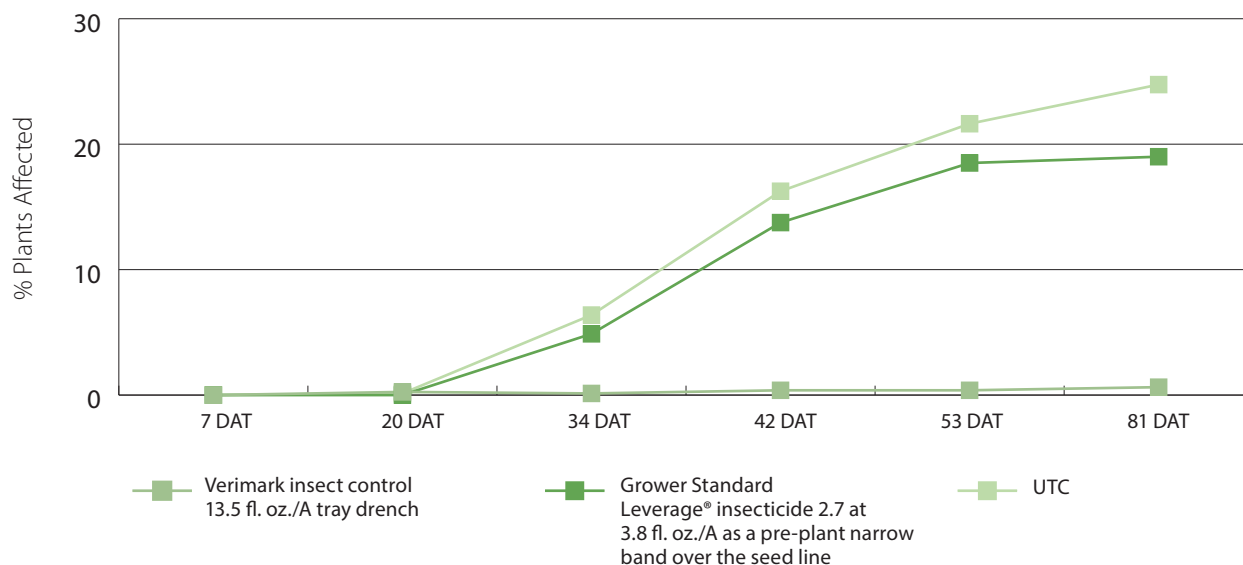
- For best results, apply Verimark® insect control prior to transplanting at 13.5 fl. oz. product/A via tray drench application to control cabbage maggot and other labeled pests in cole crops.
- The pH of the application solution should be between pH 4-6.
- Do not tank mix any other product when applying Verimark insect control (except acidifying agents, if needed) unless compatibility and crop safety has been shown with the tank mix partners.
- During application, uniform distribution of Verimark insect control to the nursery transplants is critical to maximize product uptake, residual and efficacy on labeled pests.
- When determining the amount of Verimark insect control needed, apply the labeled use rate per field acre to one acre's worth of transplants. (Example: if planted population

is 20,000 plants per acre, then apply 13.5 fl. oz. of Verimark insect control on 20,000 transplants at the nursery).

- See “transplant tray drench” section of the label under Soil Applications for specific details and additional application information.



Impact of Verimark insect control on Cabbage Maggot Damage in Cauliflower



Trial # WEI-14-713, Chualar, California. Commercial demonstration was planted November 5, 2014 and first harvest was February 18, 2015.

Plot size and number of plants treated: Verimark insect control — 1.9 treated acres; Grower standard — 2.1 treated acres; UTC — .63 acres. There were 4 sub plots per treatment with 800 plants sampled per treatment.

For more information, contact your local FMC retailer or representative about Verimark insect control from FMC and visit us at FMCCrop.com.

Leverage insecticide is a Restricted Use Pesticide. Always read and follow label directions and precautions for use. Some products may not be registered for sale or use in all states. As of November 1, 2017, the USEPA registration for DuPont™ Verimark® insect control with Cyazypyr® active was sold by E.I. du Pont de Nemours and Company to FMC Corporation. FMC, Verimark and Cyazypyr are trademarks of FMC Corporation or an affiliate. Leverage is a trademark of Bayer CropScience. ©2018 FMC Corporation. All rights reserved. 18-FMC-0986 07/18

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