

# Verimark<sup>®</sup> Insect Control

Powered by Cyazypyr<sup>®</sup> Active



**Maximize the potential of your vegetable crops with drip chemigation and Verimark<sup>®</sup> insect control.**

## VEGETABLES

Help your vegetables realize their ultimate potential. Verimark<sup>®</sup> insect control is a groundbreaking product that provides you with early-season protection from insect 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.

### **Protect your crop's potential for a better harvest:**

Verimark insect control offers a unique mode of action against a cross spectrum of sucking and chewing pests for a healthier and more resilient crop. Applications early in the crop cycle can help protect tender seedlings from feeding damage and transmission of some pest-vectoring diseases including tomato yellow leaf curl virus, tomato spotted wilt virus and cucurbit yellow stunting disorder virus. When used as part of an insect control and virus-management program.

### **Verimark Insect Control**

**Active ingredient name:** Cyantraniliprole

**Technical trade name:** Cyazypyr<sup>®</sup>

**Chemical class:** IRAC Group 28, Anthranilic diamide

**Formulation:** 1.67 lb. ai/gal suspension concentrate

**REI:** Four hours

**PHI:** One day

**Rate:** 5-13.5 fl. oz./A

- Maximum of 10 fl. oz./A per application via drip chemigation

### **Quick Facts:**

- Improved early crop establishment and opportunity for improved yields and quality at harvest.
- Formulation designed specifically for soil applications for optimized root uptake and crop safety to tender roots and shoots.
- Cross-spectrum profile distinct from both broad- and narrow-spectrum insecticides. Active against populations of aphids, leafminers, leaf-feeding beetles, psyllids, thrips, whiteflies and Lepidoptera.
- Fast acting – Rapidly protects crops from feeding damage, reducing early-season stress and transmission of some insect-vectoring diseases.
- Effective and extended protection – Moves systemically through the roots to protect new growth from pest feeding.
- Impacts multiple pest life stages including reproduction.
- Ideal fit in IRM programs – Unique mode of action controls pests resistant to other modes of action.
- Ideal fit in IPM programs – Conserves many natural enemies maximizing their controlling influence.



## CALCULATION EXAMPLES

Selected examples are provided below as a quick guide for the calculations of Verimark® insect control drip application use rates in fluid ounces per 1,000 row feet based on commonly used bed center spacings (Table 1).

Table 1: Use rates in fluid ounces/1,000 row feet for use rates of Verimark® insect control based on commonly used bed center spacing				
Square feet in one acre (A)	Spacing between bed centers in feet (B)	Linear feet per acre (C) = A divided by B	Rate in fluid ounces per acre (D)	Rate in fluid ounces per 1,000 ft = D divided by C and multiplied by 1,000
43,560	2.50	17,424	5	0.29
	3.33	13,081	5	0.38
	5.00	8,712	5	0.57
	7.00	6,223	5	0.8
43,560	2.50	17,424	6.75	0.39
	3.33	13,081	6.75	0.52
	5.00	8,712	6.75	0.77
	7.00	6,223	6.75	1.08
43,560	2.50	17,424	10	0.57
	3.33	13,081	10	0.77
	5.00	8,712	10	1.15
	7.00	6,223	10	1.61

VERIMARK INSECT CONTROL DRIP CHEMIGATION RECOMMENDATIONS	
Parameter	Verimark Insect Control
Water solubility	Low water solubility, slightly mobile in soil
Optimal pH in injection tank	pH 5-6
Agitation in injection tank	Agitate continuously
Tape placement near root zone	Critical due to minimal soil mobility
Distance between emitters	Ideally aligned with plant or spacing that allows no more than 4 inches between the plant and furthest emitter.
Chemigation timing during single irrigation event	After system has primed and all lines are filled, best results obtained when product is injected at the beginning of the irrigation event, followed by a minimum flush that is 3X the time used for injection.
Water management	Bio-availability can be improved with frequent irrigation events. Slight risk of moving product away from root zone by over-watering, particularly in sandy soils.
Translocation into plant upon initiation of root uptake	Allow two to seven days for control of targeted pests
Residual control once product is in plant	Seven to 28 days for control of targeted pests depending on species

**For more information about Verimark insect control, contact your FMC retailer or visit [Ag.FMC.com](http://Ag.FMC.com).**