For the control of *Diaprepes* root weevil, blue-green weevil, and other citrus root weevils.

Granular Formulation

ACTIVE INGREDIENT: Infective juveniles of the beneficial nematode *Steinernema riobrave.*

Container holds not less than 2 billion live nematodes.

CAUTION KEEP OUT OF REACH OF CHILDREN FOR AGRICULTURAL USE ONLY

BioVector[®] **355** is exempt from the United States Environmental Protection Agency (EPA) Requirements of Registration (FIFRA, Section 25 (b)(1)).

GENERAL INFORMATION

BioVector® **355** Biological Insecticide for Citrus controls the soil dwelling stages of the sugarcane rootstalk borer (*Diaprepes abbreviatus*), citrus root weevil (*Pachnaeus litus*) and the blue-green weevil (*P. opalus*). The active ingredient in **BioVector**® **355** is a naturally occurring insect parasitic nematode (*Steinernema riobrave*) that searches out, enters, and kills the target pests. This nematode has not been modified in any way. **BioVector**® **355** does not parasitize plants.

The nematodes are formulated in a water dispersible granule. For best results, follow irrigation and application recommendations carefully.

DIRECTIONS FOR USE

Read all instructions thoroughly before applying BioVector® 355 Biological Insecticide.

RECOMMENDED RATES						
	Blue-green or Citrus rootweevil (<i>Pachnaeus</i> spp.)		Diaprepes abbreviatus			
Citrus Grove Treatment	Sandy Soil: 10,000 - 20,000 per square foot* Apply 1-2 times per year		Sandy Soil: 20,000 per square foot Apply 1-3 times per year			
	Heavy (Flatwoods) soil: 20,00 - 30,000 per square foot Apply 1-2 times per year		Heavy (Flatwoods) soil: 20,000 - 40,000 per square foot Apply 1-3 times per year			
Citrus Bare-root Treatment (Nursery)	20,000 per square foot Apply 2-3 times per year		20,000 per square foot Apply 2-3 times per year			
Container Nursery Treatment	2 Billion Nematodes Treats:		2 Billion Nematodes Treats:			
reatment	Square Pots:	Number of Pots:	Square Pots:	Number of Pots:		
	4" X 4" 6" X 6"	250,000 pots 111,100 pots	4" X 4" 6" X 6"	250,000 pots 111,100 pots		
	Round Pots:	Number of Pots:	Round Pots:	Number of Pots:		
	8" 12"	141,460 pots 35,360 pots	8" 12"	141,460 pots 35,360 pots		

^{*20,000} per square foot equals 200 million per treated acre under mature citrus grove situations.



APPLICATION RECOMMENDATIONS

- BioVector[®] 355 is compatible with most agrichemicals (see compatibility table).
- A nematicide should not be applied within 14 days before or after application of BioVector® 355.
- For best results, use cool water to dilute and apply BioVector® 355.
- Irrigate for 15-30 minutes immediately prior to BioVector® 355 application, to cool lines and wet surrounding soil surface.
- For best results, apply BioVector® 355 to moist soil (moist to 2 inch depth). Irrigate prior to application if soil under tree is not moist
- · Agitate feeder tank during mixing and injection.
- For even distribution, inject BioVector[®] 355 suspension over a period of at least one hour.
- Irrigate grove (minimum of 0.5 inch) after soil application to incorporate BioVector® 355 into the soil.

♦ Application through Micro-irrigation Systems:

- Pre-irrigate grove or nursery if necessary to achieve uniform soil moisture to at least 2 inches (deeper on sandy ridge soils).
- Prepare irrigation system by removing screens and filters if possible. If screens must remain, a U.S. mesh screen size of 50 or coarser should be used.
- Do not subject BioVector[®] 355 to pump pressures exceeding 300 psi.
- Calibrate the injection pump to deliver the concentrate over a one hour period.
- Irrigate for 15-30 minutes immediately prior to starting BioVector® 355 injection to cool the lines and establish a wetting pattern under trees.
- 6. Pour water dispersible granules directly into tank water or a slurry may be pre-mixed and then added to the tank water. The water temperature should be between 40-90°F. Add sufficient water to apply product over a period of one hour.
- 7. The **BioVector**® **355** suspension may be held in the agitated tank for up to 24 hours. Keep tank cool (under 90° F).
- 8. Irrigate grove after application with 0.5-1.0 inch of water.

Band Application with Irrigation in Grove or Nursery

BioVector® 355 may be applied with a modified spray boom or airblast sprayer, followed immediately by irrigation (low volume, set overhead or traveling gun). Remove screens from herbicide filter and nozzles. If screens must remain, a U.S. mesh screen size of 50 or coarser should be used. Pre-irrigate prior to BioVector® 355 application to moisten soil to at least 2 inches deep. Apply BioVector® 355 in at least 100 gallons of water per acre in a banding pattern to moist soil inside the drip line of tree. The product should be applied to the root zone between the tree trunk and the drip line. Continue irrigation for a minimum of 1 hour after spraying.

◆ Containerized Nursery Applications

In containerized citrus, best results are achieved by hand-treating pots with a diluted **BioVector® 355** drench followed with 0.5-1.0 inches of overhead irrigation. Please refer to the table on the front for information on treating containers.

BIOVECTOR® 355 COMPATIBILITY TABLE

BioVector® **355** may be used simultaneously with citrus-registered pesticides and fertilizers, except for the following:

SCHEDULE	CHEMICAL NAME	TRADE NAME(S)
Do not use one week before / after	HERBICIDES 2, 4-D	Various
BioVector® 355	INSECTICIDES azinphosmethyl bendiocarb chlorpyrifos methomyl	Guthion [®] Rotate [®] Lorsban [®] Lannate [®]
Do not use two weeks before / after BioVector® 355	NEMATICIDES aldicarb fenamiphos oxamyl	Temik [®] Nemacur [®] Vydate [®]

Guthion®, Nemacur® trademarks of Bayer Corporation Rotate® trademark of Nor-Am Chemical Company Lorsban® trademark of Dow AgroSciences Lannate®, Vydate® trademarks of DuPont Crop Protection Temik® trademark of Aventis CropScience

STORAGE AND HANDLING

Store in a cool, dry location out of direct sunlight. **BioVector**® **355** may be stored at temperatures between 45°F and 60°F for up to 60 days. DO NOT FREEZE. Do not store diluted product; apply immediately after mixing.

DISPOSAL

Product container waste resulting from the use of this product, or unused, outdated product, may be disposed of on site or at any approved waste disposal facility in accordance with federal and local regulations.

CONDITIONS OF SALE AND WARRANTY

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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