









# Defend Your Crops USING BIO WITH BITE.®



Increase marketable blueberry yield with Marrone's uniquely powerful crop protection. Our award-winning biopesticides control insects, mites, and disease, sustainably. Backed by data from over 1500 trials, Marrone's biological pesticides are safe for workers, consumers, and the environment.

## PROTECT BLUEBERRIES FROM:

-  Botrytis
-  Plum Curculio
-  Spotted Wing Drosophila
-  Mummy Berry
-  Nematodes
-  And many more...



**CAN BE USED IN ORGANIC PRODUCTION** \*

## GRANDEVO®

Grandevo® Bioinsecticide is an advanced bioinsecticide that suppresses or controls early insect populations, protecting your crop and helping to prolong the lifespan of other pesticides.

### BENEFITS:

- Broad spectrum protection against sucking and chewing insects
- Easy on pollinators and beneficial insects
- Multiple modes of action
  - Repellency
  - Ingestion
  - Reproduction Disruption
- No effect on pollination and fruit set

### BASIC USE INSTRUCTIONS:

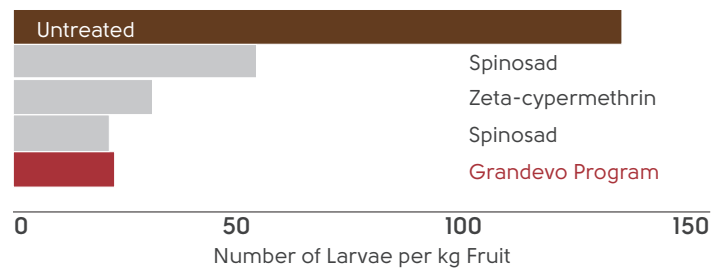
Tank Mix Program: apply 1-2 lbs/acre when tank-mixing with other insecticides

Rotational Program: apply 2-3 lbs/acre when alternating with other insecticides

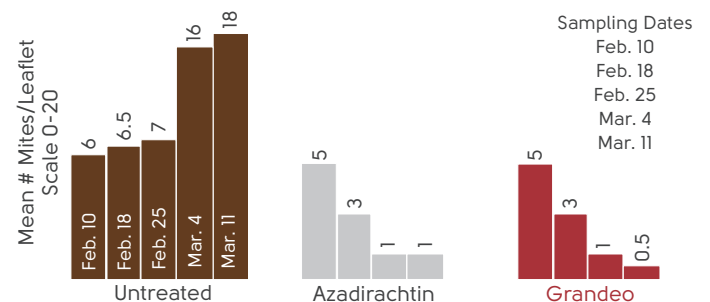
### KEY TARGET PESTS:

- Aphids
- Thrips
- Spotted Wing Drosophila
- Leafrollers
- Armyworms
- Loopers

## GRANDEVO REDUCES SPOTTED WING DROSOPHILA BY 84%



## GRANDEVO VIRTUALLY ELIMINATES TWO SPOTTED SPIDER MITES



\*All products are OMRI listed, except Haven.

Use Regalia® Biofungicide early for disease prevention and overall plant health, and through the season for continued disease control. Great resistance management tool in IPM programs.

**BENEFITS:**

- Prevents disease by boosting plant self-defense
- Better yield and harvest quality for conventional and organic blueberries
- Late residue management from MRL exemption
- Unique FRAC P5 Classification

**BASIC USE INSTRUCTIONS:**

Apply Regalia preventatively before disease gains a foothold. Use Regalia early and through the season for plant health, and even late in the season to avoid potential residue issues.

**Tank Mix Program:** 1 qt per acre of Regalia mixed with another fungicide, 10-14 day intervals

**Rotational Program:** 2 qt per acre of Regalia alternating with another fungicide, 7-10 day intervals

**KEY TARGET PESTS:**

- Powdery Mildew
- Botrytis Blight
- Leaf Spot
- Bacterial Canker
- Mummy Berry
- Anthracnose

**REGALIA CONTROLS 89% OF MUMMY BERRY**



**99.8% REDUCTION IN BOTRYTIS WITH REGALIA**



“*Whatever we’ve done here for the last 6 or 7 years has worked and Regalia is the thing we’ve based it on... I appreciate being able to apply a chemical or fertilizer that’s helping my production but isn’t hurting me.*”

- HARLEY SOLTES, BOW HILL BLUEBERRIES

**GROWER VIDEOS**

HEAR MORE ABOUT WHAT THIS BLUEBERRY GROWER HAS TO SAY ABOUT BIOLOGICALS AT: [MARRONEBIO.COM/VIDEOS](http://MARRONEBIO.COM/VIDEOS)





Venerate® Bioinsecticide is your go-to broad-spectrum in-season bioinsecticide. Venerate is an excellent addition to existing IPM and resistance management programs.

**BENEFITS:**

- Broad spectrum protection against sucking and chewing insects, mites and certain weevils
- Quality control tested to ensure no human microbial pathogens
- Tolerance exempt--never worry about MRLs
- Multiple modes of action
  - Exoskeleton degradation
  - Ingestion
  - Molting interference

**BASIC USE INSTRUCTIONS:**

Apply 1-4 quarts per acre on a 7-day interval. Under heavy populations, Venerate XC can be rotated with other insecticides/miticides and can be tank mixed with contact or systemic insecticides/miticides. No limit on number of applications per season. No spray buffer needed.

**KEY TARGET PESTS:**

- Plum Curculio
- Fruitworms
- Blueberry Blossom Weevil
- Thrips
- Aphids



*Towards the end of our season on our conventional side, the two-spots had gotten so bad. We'd thrown everything else we had at them, so I used Venerate to try to draw back the populations back and finish out the season. Going forward into another season Venerate will be the insecticide I go to for my organic side and it will be part of my conventional program as well.*

**–JOEL CONNELL, GRIMES FARMS**

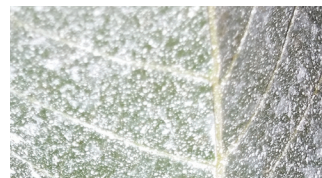


Haven® Sun Protectant contributes to a cooler canopy, reducing plant transpiration and blocking harmful solar radiation. It is a plant UV-B blocker without visible residue to scrub. For use on everything from tree fruit to nut crops, small fruit, fruiting vegetables.

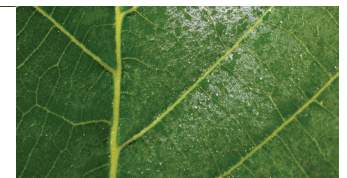
**BENEFITS:**

- Leaves no visible residue on the fruit making harvest and makes processing easier
- Increases yield by improving drought and heat stress tolerance
- Lowers internal leaf canopy temperatures
- Blocks harmful radiation like UV-B that harms plant tissue and growth

**SURROUND® TREATMENT**  
LEAVES VISIBLE RESIDUE



**HAVEN® TREATMENT**  
LEAVES NO VISIBLE RESIDUE



**BASIC USE INSTRUCTIONS:**

Applications should begin at early fruit set. Apply at rates of 0.6% to 0.9% v/v in 50-100 gal solution per acre, 2-4 times at 7-10 day interval.

**MORE DATA, CROP BULLETINS,  
LABELS AND SAFETY DATA SHEETS**



**VISIT  
MARRONEBIO.COM**

Majestene® Bionematicide controls or suppresses crop damaging nematodes to improve root health and increase blueberry yields.

**BENEFITS:**

- Economically sustainable liquid bionematicide
- Can be applied at planting and in-season
- No plant-back restrictions
- Flexible application: soil drench, in-furrow, or chemigation like drip or sprinkler irrigation

**BASIC USE INSTRUCTIONS:**

Drip irrigation or micro-emitters: apply during growing season to established groves at rate of 1-2 gal/ac, min concentration of at least 0.05% v/v. Additional applications on 21-28 day interval to improve and maintain nematode control during the season. Initial application rate recommended at 2 gal/ac. Soil drench: apply to individual newly (trans)planted bushes at rate of 1-2% v/v. Do not exceed 2 gal/ac.

**KEY TARGET PESTS:**

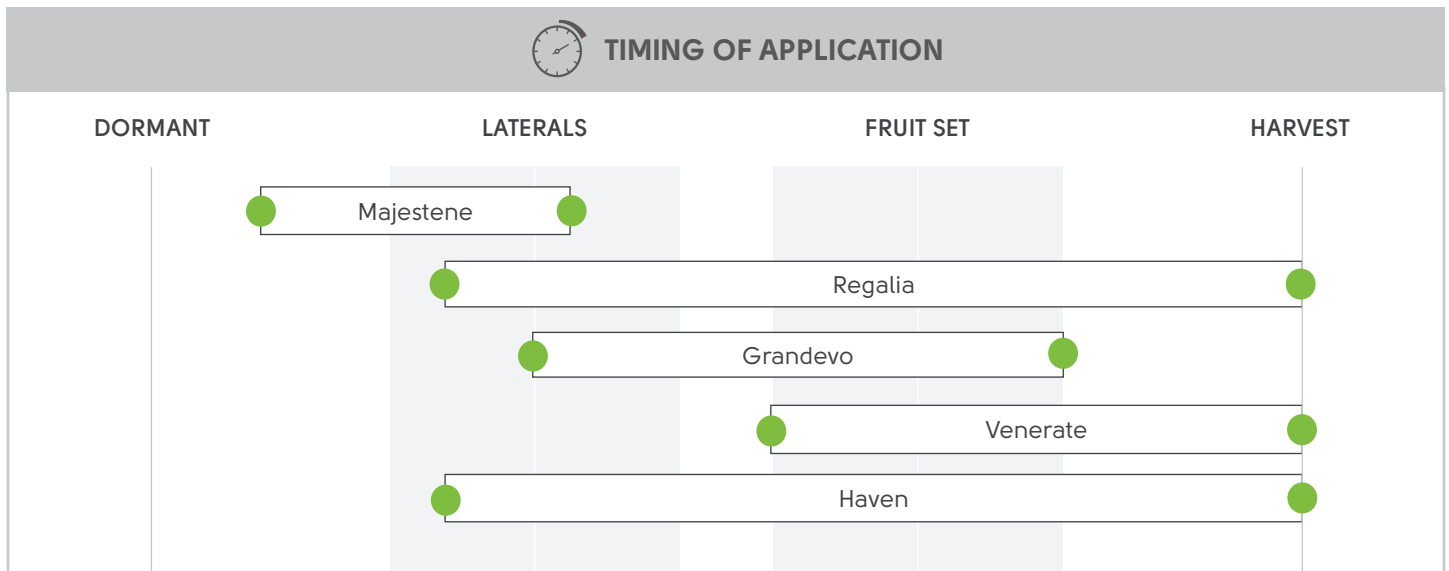
- Root Lesion
- Dagger Nematode
- Other Parasitic Nematodes



*We're seeing those that switched to organic production are surviving and selling and having a good market. By choice and by requirement of the USDA we use naturally-occurring products, biological products. They're much gentler on the environment.*

*We're right on a feeding waterway so everything we spray has a way of getting towards our food supply. I appreciate being in an environment where I'm applying a spray that is helping my production, but isn't hurting me.*

**- HARLEY SOLTES, BOW HILL BLUEBERRIES**



**If you haven't tried one of our products, we want to talk to you!**  
 Give us a call at (530)750-2800 or visit us at [marronebio.com](http://marronebio.com)

