



Defend Your Crops USING BIO WITH BITE.™



Protect your potatoes from nematode damage and insect infestation with uniquely powerful crop protection, pioneered by Marrone. Stop potato disease before they start with Amplitude for white mold. Safely and sustainably increase plant vigor with great return on investment. With data from over 1500 trials, Marrone develops biological pesticides that are safe for workers, consumers, and the environment.

PROTECT POTATOES FROM:

- ✓ Early Blight
- ✓ *Rhizoctonia*
- ✓ Nematodes
- ✓ Colorado Potato Beetle
- ✓ Aphids
- ✓ And many more...



CAN BE USED IN ORGANIC PRODUCTION

MAJESTENE®

Majestene® Bionematicide controls or suppresses crop damaging nematodes to improve plant health and increase potato yields. Make Majestene the highly effective and sustainable nematicide in your IPM program.

BENEFITS:

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

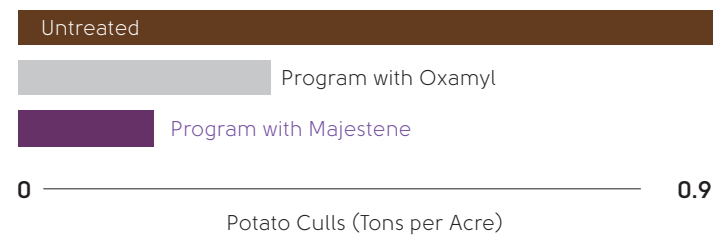
BASIC USE INSTRUCTIONS:

Apply Majestene as part of an irrigation event.
At Planting: apply 1-2 gallons per acre in furrow.
Sprinkler Irrigation: apply 2.5-4.0 gallons per acre by broadcast application or sprinkler chemigation at 21 day intervals.

KEY TARGET PESTS:

- Root Knot Nematode
- Root Knot Nematode
- Stubby Root Nematode
- Cyst Nematode

89% FEWER POTATO CULLS WITH MAJESTENE



UNTREATED



Lower Yield & Grades

MAJESTENE PROGRAM



Higher Yield & Grades

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

BENEFITS:

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

BASIC USE INSTRUCTIONS:

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

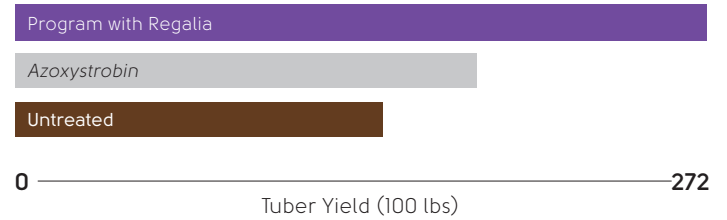
Foliar Application: 1-3 qt/ac. in 25-100 gallons of water; 5-7 day interval.

In Furrow Application: 2-4 fl oz per 1000 row feet alone or in combination with another fungicide.

KEY TARGET PESTS:

- Early Blight
- *Fusarium*
- *Rhizoctonia*
- *Verticillium*
- *Pythium*

30% INCREASE IN YIELD WITH REGALIA



The **Bio-Conqueror of white mold** in potatoes. Amplitude Biofungicide™ is an advanced biofungicide offering growers a sustainable mode of action to control white mold, downy mildew and a broad range of other fungal and bacterial diseases in potatoes.

BENEFITS:

- Control white mold to increased marketable yield for top profit on every acre
- Simple IPM option gives peace of mind of sustainable disease management and resistance prevention on the farm
- Increases potential value of crop with no residue to worry about at harvest by being MRL-exempt
- Brings most flexible labor scheduling with 0-day PHI and 4 hour REI
- Application flexibility



BASIC USE INSTRUCTIONS:

White mold: 2-4 quarts/acre (foliar)
 Downy Mildew: 2-4 quarts/acre (foliar)
Fusarium: 3-4 quarts/acre (soil)

KEY TARGET DISEASES:

- White Mold
- Downy Mildew
- *Fusarium*
- *Botrytis*



Grandevo® Bioinsecticide is an advanced bioinsecticide that suppresses or controls early insect populations, protecting your crops 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
- Quickly get back in the field: 0 day PHI & 4 hr REI

BASIC USE INSTRUCTIONS:

Tank Mix Program: Apply 1-3 lbs/acre when alternating with other insecticides

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

KEY TARGET PESTS:

- Colorado Potato Beetle
- Armyworms
- Aphids
- Psyllids
- Potato Leafhopper
- Potato Aphid



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
- Tolerance exempt--never worry about MRLs
- Multiple modes of action
 - Exoskeleton degradation
 - Ingestion
 - Molting interference

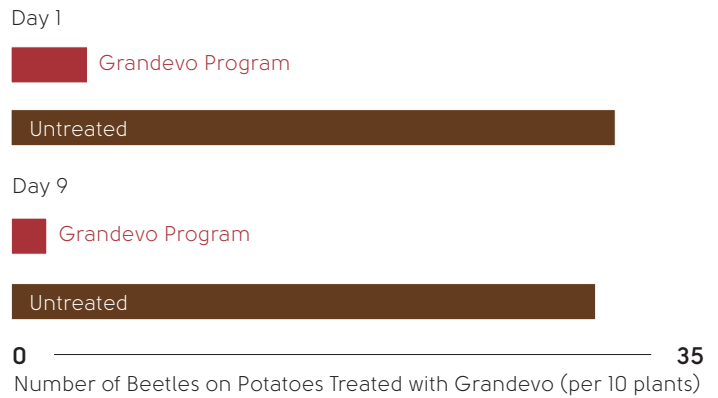
BASIC USE INSTRUCTIONS:

Apply 1-8 quarts per acre on a 7-day interval. No limit on number of applications per season. No spray buffer needed.

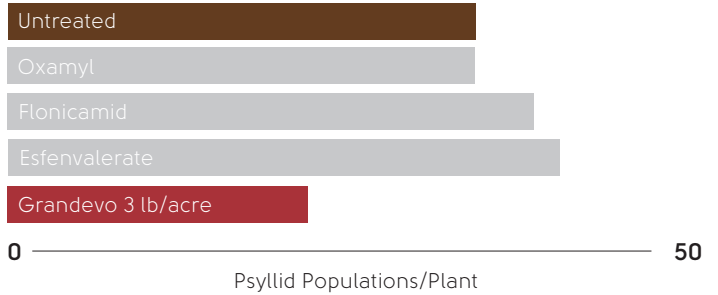
KEY TARGET PESTS:

- Aphids
- Potato Aphid
- Psyllids
- Potato Leafhopper
- Armyworm
- Moths

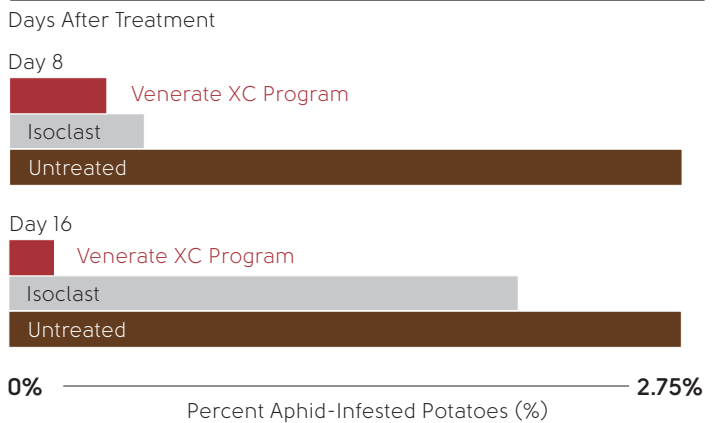
96% FEWER BEETLES WITH GRANDEVO



55% FEWER PSYLLIDS ON POTATOES TREATED WITH GRANDEVO



78% FEWER APHIDS WITH VENERATE XC



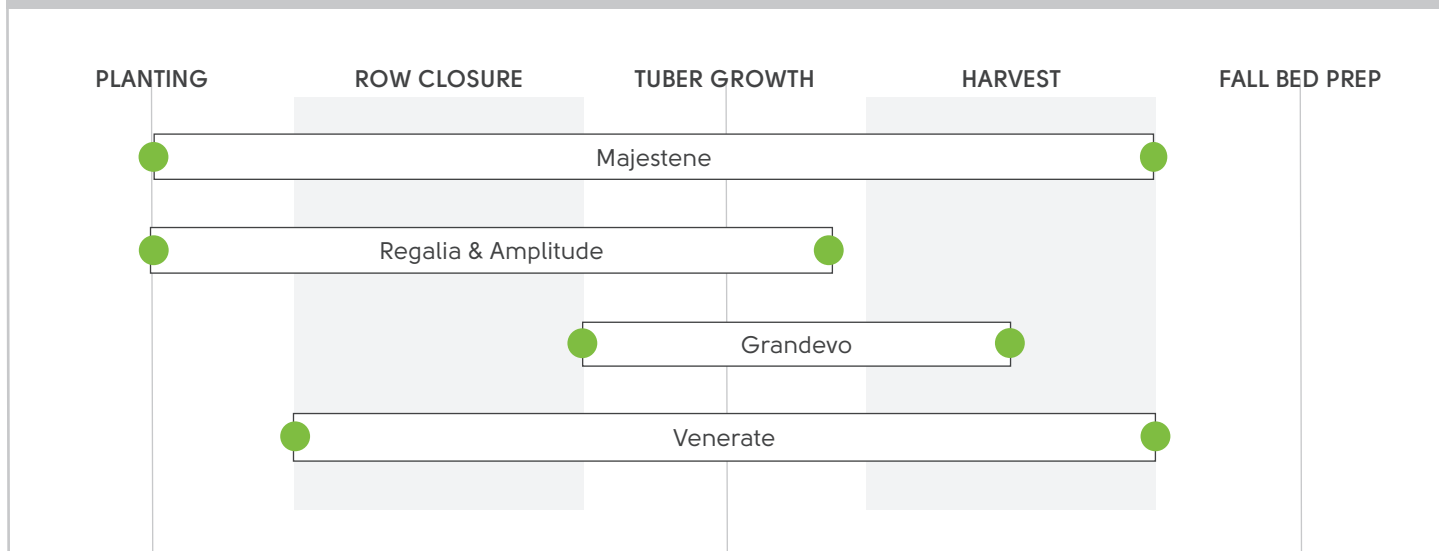
“Towards the end of our season on our conventional side, the two-spots had gotten so bad. We’d thrown everything else we had at them, so I used Venerate to try to draw back the populations back and finish out the season. Going forward into another season Venerate will be the insecticide I go to for my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

–JOEL CONNELL, GRIMES FARMS





TIMING OF APPLICATION



“A WHOLE NEW FRONTIER FOR TRADITIONAL GROWERS”

Biological solutions present a whole new frontier for traditional growers. They prevent the same problems traditional growers would be looking to prevent but in a way that is softer on the planet, the environment, the farmworkers, and the watershed.

- DAVID KNAUS, APICAL CROP SCIENCE



**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**



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