



## BENEFITS & FEATURES

- Baculoviruses infect insects during the larvae stage, leading to the production of large quantities of virus particles within the insect's body.
- Madex XLV can be tank mixed with fungicides, foliar nutrients and insecticides, including Bacillus thuringiensis (Bt), and can be used in combination with mating disruption.
- Has a 4-hour REI and 0-day PHI, and is exempt from residue tolerances.
- A safe and naturally occurring solution for growers
- Product features occlusion bodies of the naturally occurring virus for highly specific pest control.

## PROVEN & EFFECTIVE

For more than 20 years, Certis Biologicals has been a pioneer in the field of biological pesticides. With a proven, broad portfolio of crop protection solutions for organic and conventional production, Certis Biologicals has the answers growers need in today's dynamic markets. Certis Biologicals is a leader in commercializing new product innovations in biocontrol to solve tomorrow's agricultural issues.

### COVERAGE IS KEY

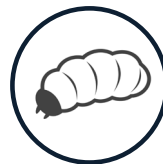
Because MADEX<sup>®</sup> XLV acts through ingestion of treated plant material, thorough spray coverage is essential for optimum control of targeted pest insects.



Using increased water volumes will typically result in better spray coverage, especially under adverse conditions such as dry hot weather or dense plant foliage.

### WHAT HAPPENS AFTER?

Virions infect and replicate within insect cells and infect other tissues within the larva, which stops feeding and eventually dies from massive viral infection.



After death, the larva disintegrates, releasing large numbers of new occlusion bodies which may infect other Codling Moth and Oriental Fruit Moth larvae upon ingestion.

### ROTATION SCHEDULE

Rotation Suggestions	Codling Moth Generation		
	#1	2	3
Year 1	Madex XLV	Cyd-X HP/Madex HP	Madex XLV
Year 2	Cyd-X HP/Madex HP	Madex XLV	Cyd-X HP/Madex HP
#2			
Year 1	Cyd-X HP/Madex HP	Madex XLV	Cyd-X HP/Madex HP
Year 2	Madex XLV	Cyd-X HP/Madex HP	Madex XLV



## ACTIVE INGREDIENT

*Cydia pomonella* granulovirus  
isolate GV-0017

# MADEX<sup>®</sup> XLV

INSECTICIDAL VIRUS



### PRODUCT INFORMATION

#### STORAGE

- Store this product in original sealed container in a cool, dry place inaccessible to children and pets.
- Store at temperatures below 41°F (5°C)

#### KEY PESTS CONTROLLED

See label for full list of pests.

- Codling Moth
- Oriental Fruit Moth



### APPLICATION NOTES

#### TIMING

Initiate between 3.0% - 5.0% egg hatch. May be applied up to and including the day of harvest. Make at least 2 and up to 6 applications per CM or OFM larval generation.

#### METHODS

Apply by foliar ground applications.



### APPLICATION RATES

#### RATES PER CROP

Label rate is up to 3.0fl.oz/A, depending on pest pressure and application frequency. Suggested is 1.5fl.oz organic and if included in a conventional program and tank mixed with a conventional codling moth virus, 0.5fl.oz/A is the recommended rate.

#### DISCLAIMER

Read label for further application methods.



### CONTACT US

#### TECHNICAL SUPPORT

If you are a commercial grower with questions, or if you want to discuss a particular issue, contact us. Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

<sup>1</sup>Baylis, A. (2020). Global Biopesticides Market Trends & Forecasts 2021. S&P Global. [www.spglobal.com/commodityinsights/en/ci/research-analysis/biopesticides-2021.html](http://www.spglobal.com/commodityinsights/en/ci/research-analysis/biopesticides-2021.html)