

Organic Broad Spectrum Pest Protection

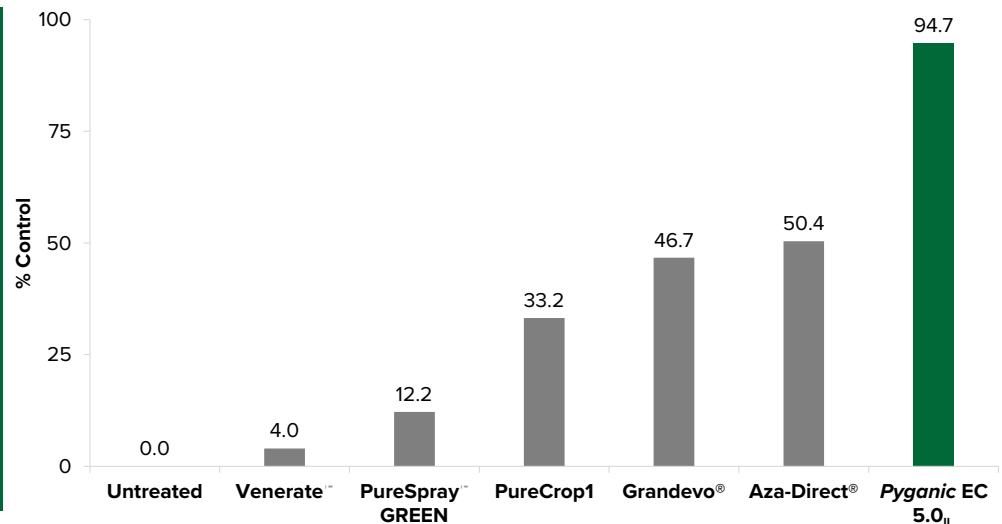
Pyganic[®] Crop Protection EC 5.0_{II}[†] is a botanically-derived, organic contact insecticide used for quick knockdown of a broad spectrum of hard-to-kill insect pests in grapes.

- ▶ Quick knockdown and on-contact insect control, including leafhoppers, aphids and stinkbugs
- ▶ Zero-day PHI and 12-hour REI
- ▶ Up to 10 applications per season
- ▶ NOP compliant and OMRI Listed under MGK for organic production

Pyganic Provides Superior Control Against Leafhoppers in Grapes

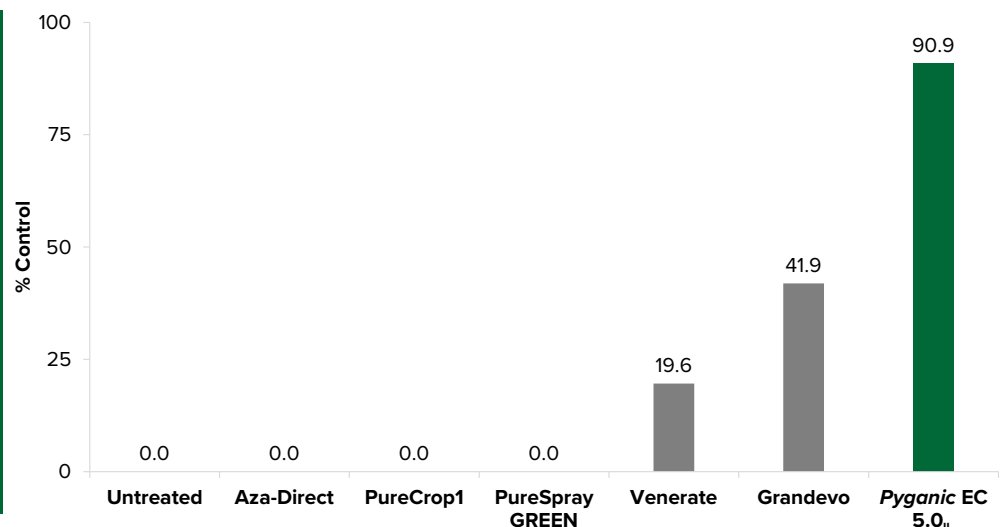
A *Pyganic* program of two applications (7-day interval) in 100 gallons per acre provided excellent control of **Western grape leafhoppers** and significantly outperformed other botanical products.

Location: Talmage, CA
Source: University of California, Berkeley



A *Pyganic* program of two applications (7-day interval) in 100 gallons per acre provided excellent control of **Virginia creeper leafhoppers** numerically outperforming other botanical products.

Location: Talmage, CA
Source: University of California, Berkeley



How To Use

Foliar Rate	<p>USED ALONE</p> <ul style="list-style-type: none"> • Ground: 4.5–15.61 fl oz/A in sufficient water for thorough coverage • Air: 4.5–15.61 fl oz/A in a minimum of 10 gallons of water/A <p>USED AS A TANK MIX</p> <ul style="list-style-type: none"> • Tank mix: follow all label prohibitions and do not exceed label application rates of any product in the mix
Foliar Use	Apply as needed, but not more than once a day
Foliar Application Method(s)	Ground, air or through an irrigation system (chemigation)
REI / PHI	12 hours / 0 days

Best Use Practices

- ▶ Acidify spray tank water to a pH of 5.5–7.0
- ▶ Good coverage is required for target pest knockdown—insects must be present during application
- ▶ Apply when insects are in early stages of infestation
- ▶ Application is best during early morning or late evening to reduce risk of UV degradation and to avoid pollinator activity
- ▶ Apply as a foliar application alone or in a tank mix
- ▶ *Pyganic* can be mixed with a variety of adjuvants but a small sample should be tested for phytotoxicity
- ▶ Before tank mixing, physical compatibility of the products should be tested as a small sample
- ▶ Do not use cold water for initial mixing as it may form a gel. If a gel forms, continue mixing until product goes into solution.
- ▶ *Pyganic* is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply product or allow it to drift to blooming crops or weeds while bees are foraging in the treatment area.
- ▶ For improved resistance management, consider rotating *Pyganic* with *Debug*[®] brands, a combination of neem oil and azadirachtin. For more information on *Debug* brands, visit valent.com/debug.

Pyganic[®] Crop Protection EC 5.0_{II} is OMRI Listed under MGK for organic production.



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Always read and follow label instructions.

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