

Outstanding Control of Lepidoptera Pests

DiPel® DF Biological Insecticide Dry Flowable⁺ is a proven insecticide derived from a soil bacterium that selectively targets destructive Lepidoptera larvae (worms, caterpillars) pests, including European grapevine moth (*Lobesia botrana*), grape berry moth, grape leafroller, grapeleaf skeletonizer (ground only), light brown apple moth and obliquebanded leafroller.

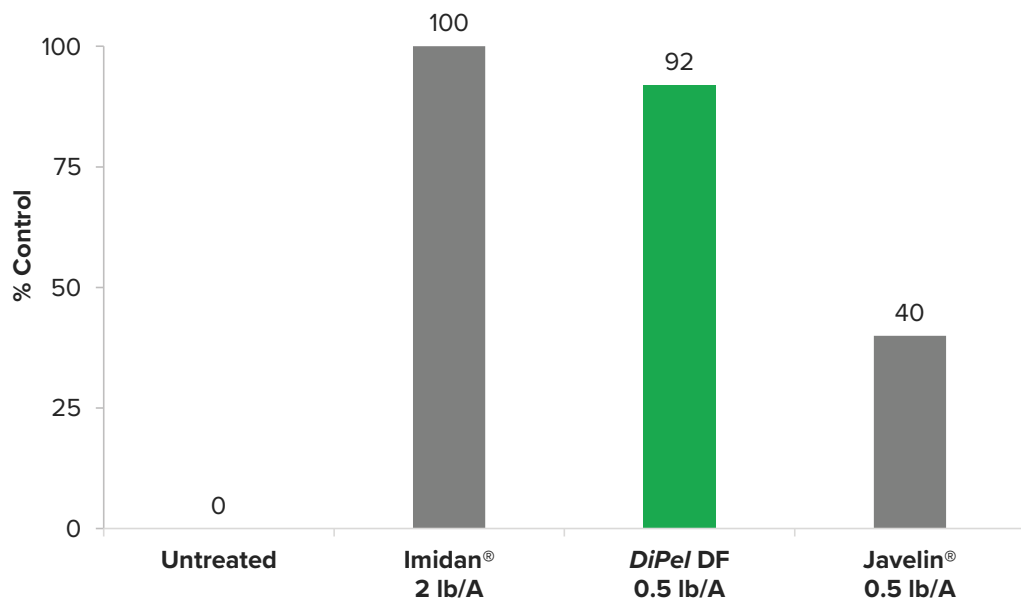
In addition, a 0-day PHI and tolerance exempt profile (no global MRLs restrictions) make *DiPel* DF an excellent choice for application before and during harvesting.

- ▶ **Proven Lepidoptera Larvae Control:** Data shows *DiPel* DF is highly effective against Lepidoptera larvae in grapes
- ▶ **Excellent Fit for Resistance Management Programs:** *DiPel* DF is a great rotational partner to reduce the potential of larvae developing resistance to insecticides with other modes of action
- ▶ **Highly Selective—Won't Harm Beneficial Insects:** *DiPel* DF does not diminish or harm valuable beneficials
- ▶ ***DiPel* DF is NOP Compliant and OMRI Listed for Use in Organic Production**

DiPel DF Controls Grapeleaf Skeletonizer

DiPel DF delivered Lepidoptera larvae control as good as, or better than, the grower standard.

Visual control assessed 10 days after application.
Location: Parlier, CA
Source: Valent U.S.A.



Extended Control of Grape Berry Moth with *DiPel* DF

DiPel DF controlled grape berry moth 2 to 4 weeks after the last season application.

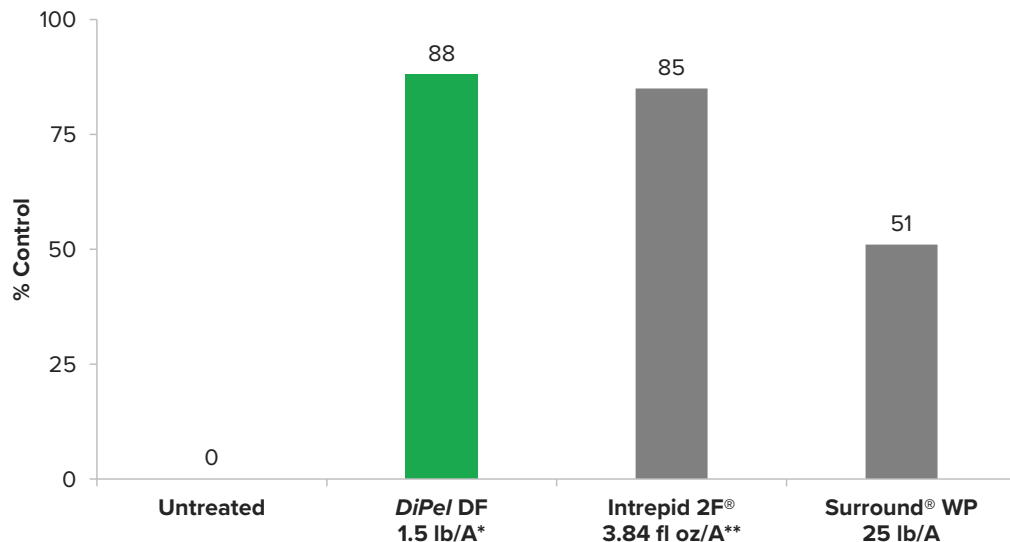
Surfactants:

*OSi 0.03% v/v

**Latron B-1956 0.1% v/v

Location: Fennville, MI

Source: Michigan State University



How To Use

Rate	0.5–2 lb/A
Timing	Treat when larvae are young (early instars) before the crop is damaged
Method	Ground or air
Spray Volume	For optimal results, use at least 20 gallons of water per acre for ground application. For aerial application use at least 3 gallons of water per acre.
Adjuvant	Use a spreader-sticker for hard-to-wet crops or to improve weather fastness
REI / PHI	4 hours / 0 days (no MRL restrictions)

Other Important Information

- ▶ Larvae must be actively feeding on treated, exposed plant surfaces
- ▶ Thorough spray coverage and water volume is needed to provide a uniform deposit of *DiPel* DF at the site of larval feeding. Use overhead and drop nozzles to obtain good spray coverage on both sides of foliage.
- ▶ Under heavy pest population pressure, use the higher label rates, shorten the spray interval, and/or raise spray volume to improve spray coverage



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Always read and follow label instructions.

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