

Controlling Worm Pests in Corn

DiPel® Biological Insecticide is an effective solution for worm control in more than 300 crops, including conventional, organic and Bt corn and other grains. *DiPel* consistently and cost effectively controls looper, armyworm, headworm and European corn borer larvae.

- ▶ Proven—No. 1 biological insecticide in the world
- ▶ Effective—balanced blend of four active toxins plus a natural spore means maximum control
 - ▶▶ *DiPel* is useful for resistance management in Bt crops due to more, varied active toxins
- ▶ Consistent—outstanding quality control batch to batch means reliability in the field

DiPel products are safe on beneficial insects and mite predators, offer a 0-day preharvest interval without MRL concerns, and have a short, 4-hour REI so workers can quickly re-enter fields. *DiPel* is sold in two formulations, ES and DF. Both biorational products offer control with environmental harmony. *DiPel* DF is NOP and OMRI listed for use in organic production.



European corn borer damage
Photo courtesy of Frank Peairs, Colorado State University,
Bugwood.org



European corn borer larva(e)
Photo courtesy of Keith Weller, USDA Agricultural Research
Service, Bugwood.org

How To Use

Rate

- ▶ *DiPel* DF: Apply 1 lb/A for most pests. Apply up to 2 lb/A for armyworm or heavy population pressure from European corn borer.
- ▶ *DiPel* ES: Apply 2 pt/A for most pests. Apply up to 4 pt/A.

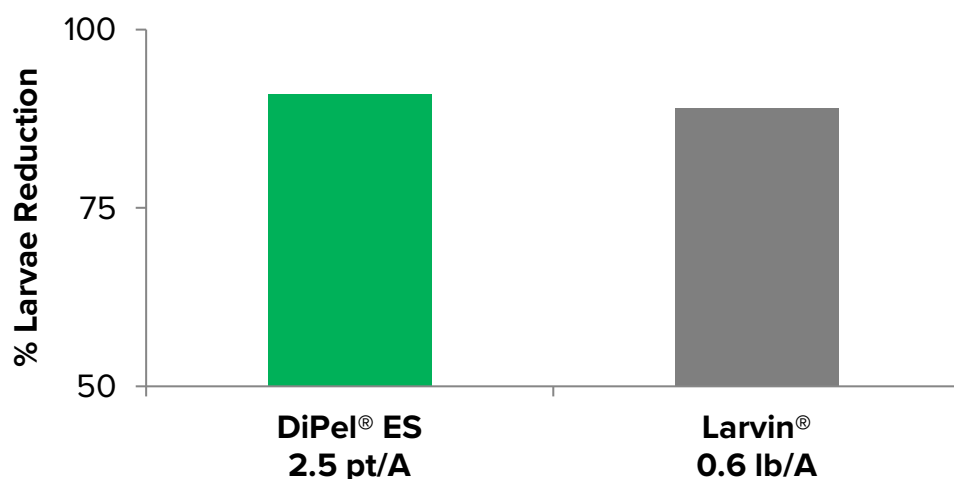
How To Use (continued)

Timing	<ul style="list-style-type: none"> ▶ Apply when insect pests are small. Repeat at an interval sufficient to maintain control, usually 3–14 days depending on plant growth rate and moth activity, rainfall after treating and other factors. ▶ Two or more applications may be required against 2nd generation borers if there is extended egg deposition
Method	Ground rig or aerial application
Spray Volume	20 gal/A by ground application. 3 gal/A for aerial applications.
Adjuvant	Use a Chemical Producers & Distributors Association-certified adjuvant
REI / PHI	4 hours / 0 days

Other Important Information

- ▶ Treat when larvae are young (early instars) before the crop is damaged or insects have entered stalks or ears
- ▶ Larvae must be actively feeding on treated, exposed plant surfaces to ingest *DiPel*
- ▶ Spray foliar to uniformly deposit *DiPel* where larvae feed
- ▶ If attempting to control a pest with a single spray, treat when egg hatch is essentially complete, but before crop damage occurs

DiPel on Southwestern Corn Borer



Two applications, applied aerially, 10 days apart

Location: Dimmitt, TX
Researcher: Olan Moore



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Always read and follow label instructions.

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DiPel DF is NOP compliant and OMRI listed for organic production.