

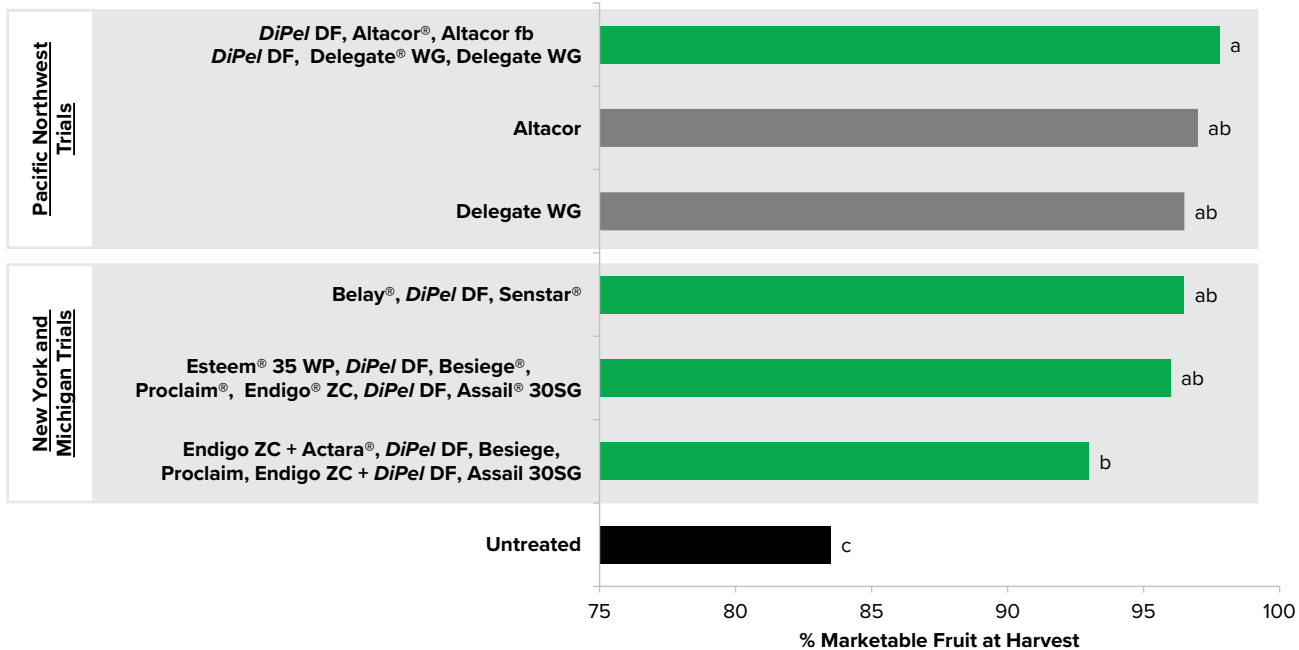
Outstanding Control of Lepidoptera Pests

DiPel® DF Biological Insecticide Dry Flowable† is a proven insecticide derived from a soil bacterium that selectively targets Lepidoptera pests and delivers effective, economical control. *DiPel* DF also has no harvest residue or MRL concerns because it is exempt from tolerances.

- ▶ **Proven Lepidoptera Larvae Control:** Data shows *DiPel* DF is highly effective against Lepidoptera pests in pome fruit including leafrollers, oriental fruit moth larvae and codling moth larvae
- ▶ **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 beneficials
- ▶ *DiPel* DF is NOP Compliant and OMRI Listed for Use in Organic Production

DiPel DF Yields More Marketable Fruit at Harvest

Codling Moth / Oriental Fruit Moth Larvae Control in Apples



Adding *DiPel* DF into **codling moth/oriental fruit moth** larvae control programs increases pest control, resulting in more marketable fruit as well as providing a resistance management rotational partner. *DiPel* DF treatments also had the lowest amount of codling moth stings compared to all other treatments.

Apple varieties: Cortland, Crimson Gold, Golden Delicious and Jonagold

Application information:

- Codling moth trials: *DiPel* DF 2 lb/A, Altacor 4.5 oz/A, Delegate 7 oz/A, Omni Supreme spray oil 0.25% v/v
- Codling moth and oriental fruit moth trials: *Belay* 6 fl oz/A, *Senstar* 18 fl oz/A, LI-700 0.25% v/v, *Esteem* 35 WP 5 oz/A, *DiPel* DF 1 lb/A, *Besiege* 12 fl oz/A, *Proclaim* 4.8 oz/A, *Endigo* 6 fl oz/A, *Actara* 2 oz/A, *Assail* 8 oz/A

Means followed by same letter or symbol do not significantly differ (P=0.05, LSD).

Source: Combined University and private cooperator trials (NY, MI, OR & WA)

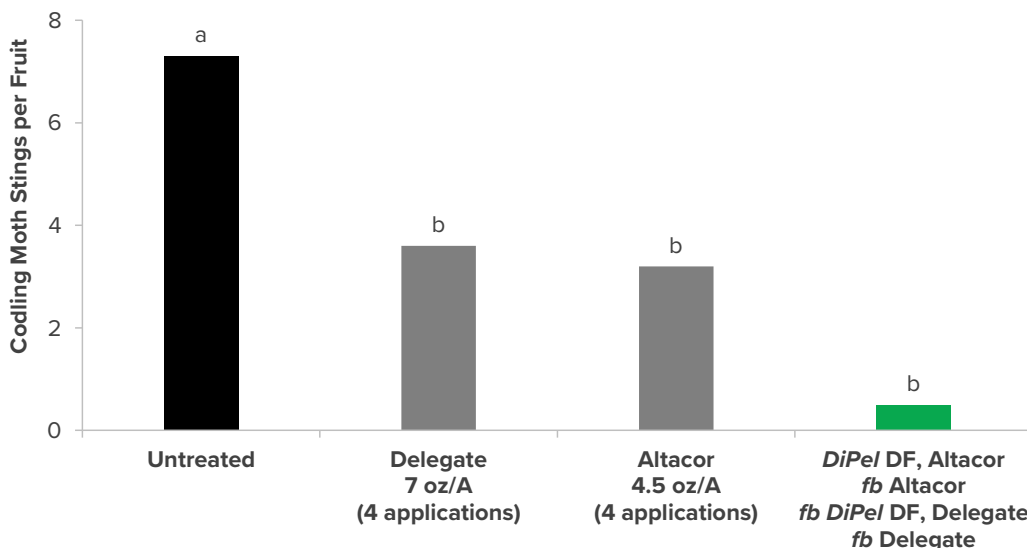
DiPel DF Reduces Apple Damage Caused by Codling Moth Larvae

Codling moth larvae that were exposed to, and consumed *DiPel* DF, resulted in minimal codling moth stings (shallow bite marks on the fruit surface).

fb = followed by
DiPel DF rate: 2 lb/A

Varieties: Golden Delicious and Jonagold apples

Source: Combined private cooperator trials (OR & WA) for research purposes and may not follow the label. Always read and follow label instructions.



How To Use

Rate	0.5–2 lb/A
Timing	Scout orchards and apply when larvae are hatching or small. <ul style="list-style-type: none"> Codling moth/oriental fruit moth: Apply before the insect enters into the fruit Leafrollers: Apply before leaves are rolled and insects are protected <i>DiPel</i> DF can be used during bloom.
Method	Ground or air
Spray Volume	Coverage is key to control. Use sufficient 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

- ▶ *DiPel* DF does not have ovicidal activity and applications must be timed to timings when small larvae are developing. Larvae must be actively feeding on treated, exposed plant surfaces.
- ▶ 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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