

DiPel®

More growers and consultants trust
DiPel® than any other *Bt* insecticide.



VALENT
BIOSCIENCES
CORPORATION





Growers and consultants have made DiPel the leading *Bt* insecticide brand in the world for control of Lepidoptera for several reasons.

Trust DiPel

BETTER FOR PERFORMANCE The key to leadership, of course, is product performance. With *Bt* insecticides two critical factors affecting insect control are the potency of the strain and how well it is produced. (Effective application is important as well.)

The potent *kurstaki* strain found in DiPel produces five toxins at comparatively high levels. Other *Bt* products don't have the mix or amount of *Bt* toxins as DiPel.

In addition, DiPel is produced with exacting quality standards identical to those used in making human pharmaceuticals. And we don't simply rely on stringent process control to ensure performance. We test every production lot to make sure it meets the performance standards you expect in the field.

BETTER FOR RESISTANCE MANAGEMENT

DiPel features a balanced blend of five toxins and a spore with distinct modes of action. That makes DiPel ideal for resistance management. In fact, time and time again, growers have turned to DiPel as Lepidopteran pests developed resistance to new insecticide technologies.

V A L E N T
B I O S C I E N C E S
C O R P O R A T I O N





CRY 1A AND CRY 2A *Bt* TOXIN LEVELS

| | Total mg | 1Aa | 1Ab | 1Ac | 2Aa/2Ab |
|----------|----------|-----|------|------|---------|
| DiPel | 60.6 | 9.3 | 23.9 | 14.0 | 13.4 |
| Javelin® | 34.2 | 3.2 | 19.5 | 4.6 | 6.9 |
| Agree® | 15.1 | 4.5 | – | 10.6 | – |

*DiPel has higher and more varied *Bt* toxin levels than competitive brands, which translates to superior performance in the field and excellent resistance management.*

BETTER FORMULATION OPTIONS

Valent BioSciences, the maker of DiPel, realizes that one formulation doesn't fit every crop and production situation. That's why DiPel features the broadest range of formulation options of any *Bt* brand. What's more, these formulations are designed for maximum shelf life, as well as better mixing and application.

Additional Benefits

- 1 Overall value – better performance of your insecticide program at the same or less cost
- 2 Flexibility – shortest worker re-entry and pre-harvest intervals (PHIs) allowed by law
- 3 Preservation of beneficial insects – no flaring of secondary pests
- 4 Marketing confidence – no residue issues when you apply DiPel

Trust DiPel throughout the Season

Early Season

Start with DiPel. Add it to a tank-mix to improve insect control. Or use as an economical alternative to other soft insecticides to preserve beneficials and to avoid flaring secondary pests.

Mid-Season

Maximize during the middle. Use DiPel mid-season to improve performance and reduce the risk of resistance due to DiPel's multiple modes of action.

Late Season

Finish with flexibility. Use DiPel late season and enjoy the shortest re-entry and pre-harvest intervals allowed by law. Then market with confidence, knowing you won't face residue issues with DiPel use.

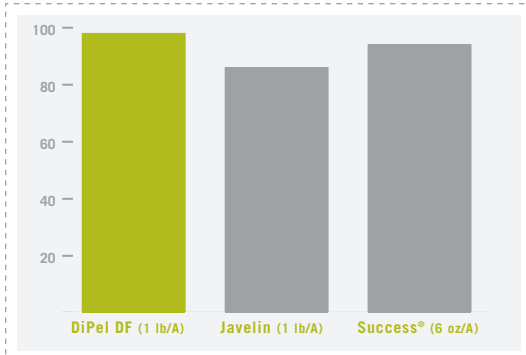
DiPel Controls Lepidopteran Pests

DiPel provides effective control when used alone, in rotation or in a tank-mix.

Stand-Alone Control

Cabbage Loopers – Broccoli

Percent Mortality (4 DAT)

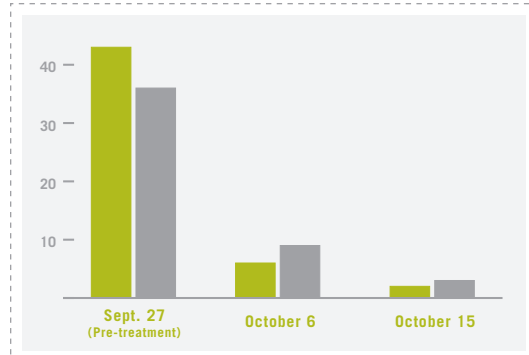


Madera, California

Improving Performance in a Tank-Mix

Vegetable Worm Control

Number of Small Larvae/10 Plants



■ DiPel DF (1 lb/A) + Success (1 oz/A)
■ Success (3 oz/A)

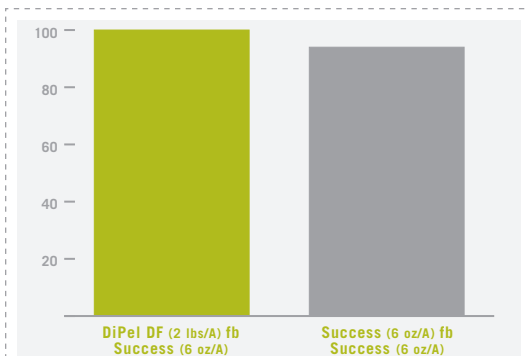
Application 1 on September 28
Application 2 on October 7

Santa Monica, California

Improving Performance in Rotation

Leafroller Control – Apples

Percent Control



Mattawa, Washington

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Success is a registered trademark of Dow AgroSciences. Javelin and Agree are registered trademarks of Certis USA.

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Listed