



INSECTICIDE

DIAMOND® ON COTTON

Diamond decreases the risk of damage caused by insects before the damage starts. As a broad-spectrum insect growth regulator, Diamond exhibits superior control activity against the worst yield-robbing pests.



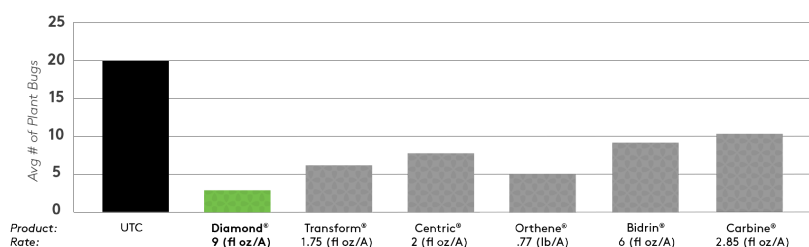
Diamond. Better Insect Control.

- Reduced egg lay & hatch
- Proven yield enhancement due to insect control
- Long residual activity
- Lower impact on beneficial organisms

Control of Plant Bugs, *Lygus sp.*, in Cotton

Glendora, MS | Angus Catchot, MSU | 1 Aug 2017

7 DAT



"Fall armyworms are very difficult to control in cotton because they are low in the canopy and it is difficult to get any insecticide to them. In general, we tend to see significantly less fall armyworm damage in cotton that has been sprayed with Diamond. Other than that, most of the caterpillar specific insecticides will do a good job if you can get it down in the canopy where they are feeding."

Jeff Gore, Mississippi State University
Associate Extension/Research Professor

	Grower Standard	Grower Standard + 1 App. Diamond	Grower Standard + 2 App. Diamond
Yield lbs*	2,460	2,552	2,705
Value @ \$0.72/lb Cotton	\$1,721.79	\$1,786.47	\$1,893.78
Insecticide Cost	\$25.63	\$32.50	\$39.37
% Increase on ROI	-	3.3%	8.5%

Active Ingredient

Novaluron

Formulation

Emulsifiable Concentrate

Target Insects

Tarnished Plant Bugs,
Lepidoptera Species & Other
Foliage Feeders

Mode of Action

Insect Growth Regulator

IRAC Group Number

15

Restricted Use

No



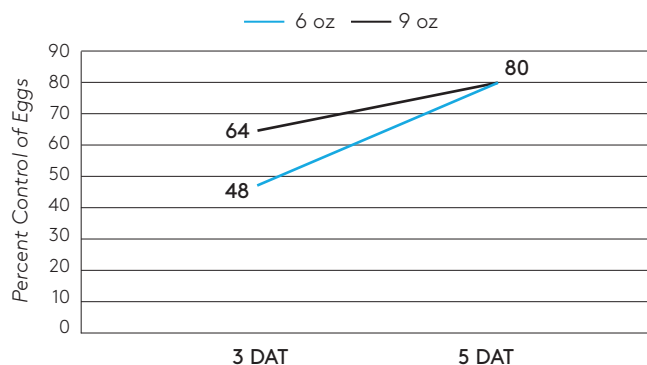
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Diamond®

Diamond provides an average increase of 17% in pest control when used as a tank mix partner for products such as Acephate, Bidrin™, Carbine and Centric™.

17%
control
increase

Efficacy of Diamond on Hatching CEW* Eggs

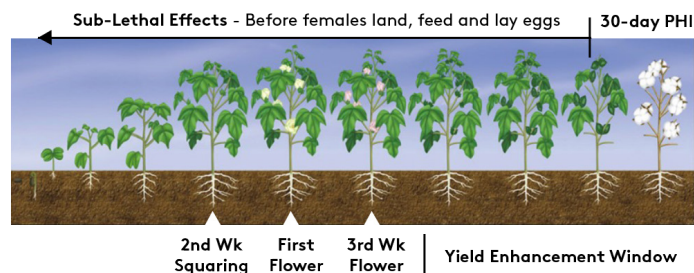


*Corn Ear Worm

Considerations in using Diamond:

- Diamond is an Insect Growth Regulator, which is slower acting and has a longer residual than other insecticides, and has great efficacy on eggs and immatures.
- Knockdown of adults best accomplished with tank mix companion (Acephate, Bidrin, Centric, etc.)
- Earlier the better, 2nd week of squaring
- Good coverage recommended to enhance control

Optimal Application Timings in Cotton



Quick Tips

- Diamond exhibits superior control activity against the worst yield-robbing pests
- Long residual to extend control between sprays
- Minimal impact on adult beneficial insects
- 7-14 day application intervals may be required

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