

Proven Partners for Conventional Pest Control Programs

XenTari[®]
Biological Insecticide

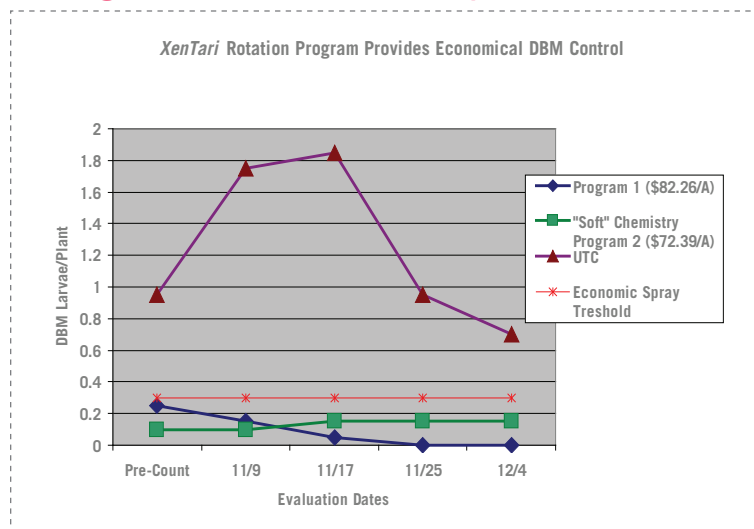
DiPel[®]
Biological Insecticide

XenTari[®] and DiPel[®] Biological Insecticides from Valent BioSciences partnered with other chemistries provide excellent season-long control of significant insect pests such as cabbage looper, tobacco budworm, diamondback moth.



- **Early season:** Apply *XenTari* or *DiPel* alone to control small larvae, soon after hatch. Save the expensive soft chemistries for when you really need them.
- **Mid season:** Use *XenTari* or *DiPel* as a tank mix partner or in rotation with conventional chemistries for increased efficacy and better resistance management.
- **Late season:** *XenTari* and *DiPel* have the shortest re-entry and pre-harvest intervals allowed by regulation. You will also have no residue issues.

Cabbage Field Trials Run by Dr. Dak Seal, University of Florida-IFAS



Control Program 1

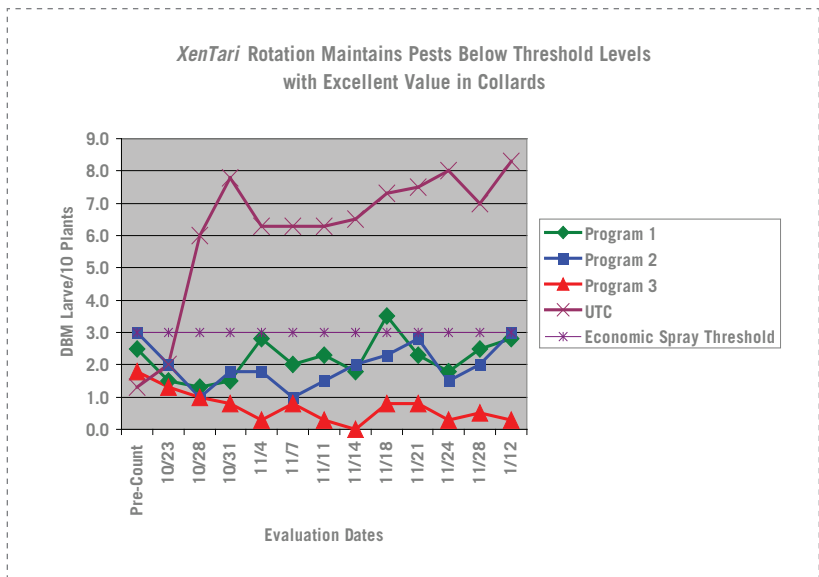
One week rotation schedule of: *Coragen* Insecticide (5 oz./A, soil application) → *Proclaim* Insecticide (4.8 oz/A) → *Avaunt* Insecticide (3.5 oz/A) → *Capture* Insecticide (2.6 oz/A)
Cost: \$82.26/A

Control Program 2 (Soft Chemistries)

One week rotation schedule of: *Coragen* (5 oz/A soil application) → *XenTari* (16 oz/A) → *Avaunt* (3.5oz/A) → *XenTari* (16 oz/A)
Cost: \$72.39/A

Field results prove *XenTari* is an excellent, economical partner in diamondback moth control while providing additional benefits for resistance, residue, and harvest management.

Field Trial run by Dr. Gary Cloud, Ag Research Associates



XenTari Control Program 1 (Soft Chemistries):

Weekly rotation schedule of: *Coragen* (5 oz/A, soil application) → *XenTari* (16 oz/A) → *XenTari* (16 oz/A) → *Proclaim* (4.8 oz/A) → *Avaunt* (3.5 oz/A) → *XenTari* (16 oz/A) → *XenTari* (16 oz/A).

Cost: \$125.15/A

XenTari Control Program 2:

Weekly rotation schedule of: *Coragen* (5 oz/A soil application) → *XenTari* (16 oz/A) → *Avaunt* (3.5 oz/A) → *XenTari* (16 oz/A) → *Capture* (2.6 oz/A) → *XenTari* (16 oz/A) → *Avaunt* (3.5 oz/A).

Cost: \$105.08/A

Synthetic Chemistry Control Program 3:

Weekly rotation schedule of: *Coragen* (5 oz/A soil application) → *Proclaim* (4.8 oz/A) → *Avaunt* (3.5 oz/A) → *Capture* (2.6 oz/A) → *Radiant Insecticide* (5 oz/A) → *Proclaim* (4.8 oz/A) → *Avaunt* (16 oz/A).

Cost: \$156.14

Best Use Directions for *XenTari* and *DiPel*:

- Match the right product to the right pest
 - *DiPel* is strong on cabbage loopers and *Heliothis* spp.
 - *XenTari* is especially strong on *Spodoptera* spp.
- Apply when eggs are near hatch or when larvae are small
- Use before insects reach economic threshold
- Apply when larvae are actively feeding
- Ensure good spray coverage on the top and bottom of the foliage
- Use a spreader-sticker or surfactant on hard to wet crops



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