



FOR ORGANIC PRODUCTION



Stone fruits, pome
fruits and nut trees

Bioprotec^{PLUS}®

Foliar Insecticide for Caterpillar Control



FEATURES AND BENEFITS

- Easy to use liquid formulation
- Known trusted biological insecticide
- Specific strain of Btk that covers a large range of pests and crops
- Control of lepidopteran larvae in pome fruits, stone fruits and nut trees
- Good UV resistance

0 Day PHI

4 Hours REI



Friendly to beneficials
and pollinators

AEF GLOBAL
Biopesticides

MODE OF ACTION

After ingestion of a sufficient dose of Bioprotec Plus, caterpillars undergo gut and mouth-parts paralysis followed by septicemia. Larvae cease feeding within a few hours and insect death occurs within 2-5 days.

TECHNICAL SPECIFICATIONS

- **Active ingredient:** Btk (*Bacillus thuringiensis* ssp. *kurstaki*) Strain No: EVB-113-19
- **Packaging:** One (1) case = 2 x 2.5 gal
- **Formulation type:** Liquid
- **IRAC classification :** 11A (microbial)
- **PHI:** 0 day
- **REI:** When dry
- **Shelf life:** 18 months at 68°F

RECOMMENDATIONS

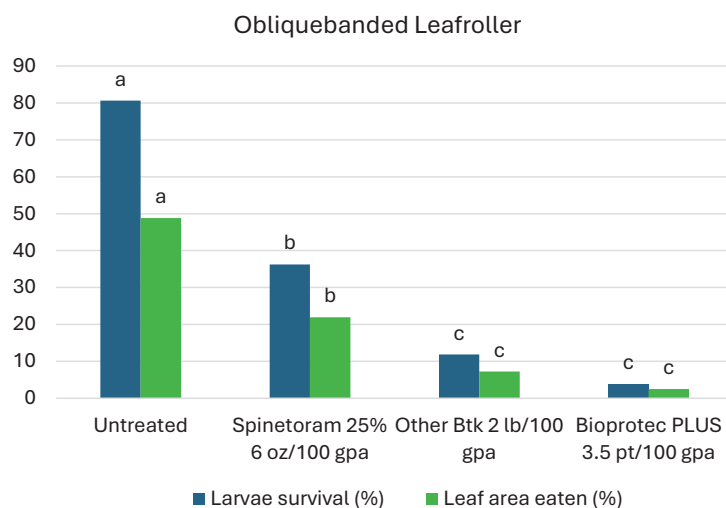
- The leaves on which the larvae feed must be completely covered with Bioprotec Plus
- The product should be applied during the active feeding phase of the larvae
- Apply at the recommended rate on the label depending on the pest (0.25 to 3.5 pints/acre)
- Repeat treatment as needed at 7 days interval if egg hatch is desynchronized
- Always read and follow label instructions

RESULTS

Trial conducted by Northwest Contract Research in a commercial orchard (Quincy, WA). Experiment conducted on cherry trees ('Bing').

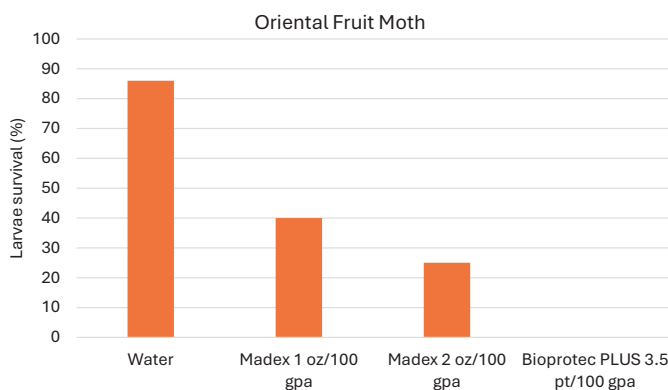
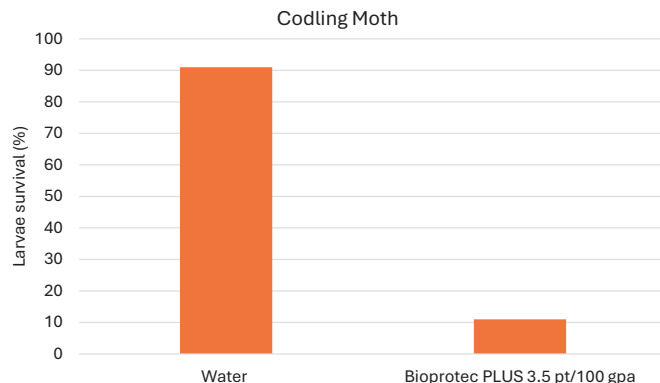
Obliquebanded leafrollers (*Choristoneura rosaceana*) collected in April and reared on artificial diet. 3-4 instar larvae were placed on treated shoots on July 30, 2024 (100 gallons per acre).

Randomized complete block design with 4 repetitions (1-3 trees per plot; 20 larvae per plot)



For each parameter, means followed by the same letter do not significantly differ (p=0.05)

Bioassay conducted by USDA (ARS) on oriental fruit moth (*Grapholita molesta*) and codling moth (*Cydia pomonella*) in 2018. 80 neonate larvae per treatment, survival evaluated 7 days post-treatment.



Bioprotec Plus is registered in United States by AEF Global. Please refer to product label for complete application details. Always read and follow label directions. EPA Registration No : 89046-12. Log on to www.aefglobal.com for full label information.

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