

# Bioprotec CAF

Insecticide

## TECHNICAL SHEET

### Foliar insecticide for Caterpillar Management in Cole Crops



#### FEATURES AND BENEFITS

- ✓ **Biological insecticide approved by Health Canada (PMRA)**
- ✓ **Ensures control** of several lepidopteran larvae
- ✓ **Safe for use** with beneficial and pollinators<sup>1</sup>
- ✓ **Resistant** to UV light
- ✓ **Zero days to harvest** harvest, allows to keep control of pests and maintain quality
- ✓ **Perfect integration** in your IPM program
- ✓ **Approved** for organic agriculture

<sup>1</sup> Safe for use with beneficial organisms and pollinators when used according to label instructions.

#### USE PATTERN

CROP	PEST	RATE	FOLIAR SPRAY VOLUME	APPLICATION TIMING
Asian radish, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Chinese Broccoli, Collards, Kale, Mustard Greens, Turnip Greens	<ul style="list-style-type: none"><li>• Cabbage Looper</li><li>• Imported Cabbage Worm</li><li>• Diamond Back Moth</li></ul>	1,4 - 2,8 L/ha	Minimum 300 L/ha	Apply at first sign of infestation when larvae are small. Repeat applications, according to economic threshold, as often as necessary to maintain control.

#### TECHNICAL SPECIFICATIONS

- **Canadian registration number:** 26854
- **Active ingredient :** Btk (*Bacillus thuringiensis ssp. Kurstaki*)
- **Packaging :** One (1) case = 2 x 10L
- **Formulation type :** Liquid
- **Chemical group :** 11B2 (Bt microbials)
- **PHI :** 0 day
- **REI :** When spray is dry
- **Shelf life:** 18 months at 20° C

#### MODE OF ACTION

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

## RECOMMENDATIONS FOR OPTIMAL RESULTS

- The leaves on which the larvae feed must be completely covered
- The product is more effective after hatching of the eggs, during the active feeding phase of the larvae
- The product is most effective when no rain occurs in 24-48 hours after application, to allow the larvae to ingest a lethal amount of insecticide
- When insect hatchings are not synchronized, repeat the treatment as needed at seven day-intervals
- Better results are obtained in low wind conditions to allow a good coverage of product

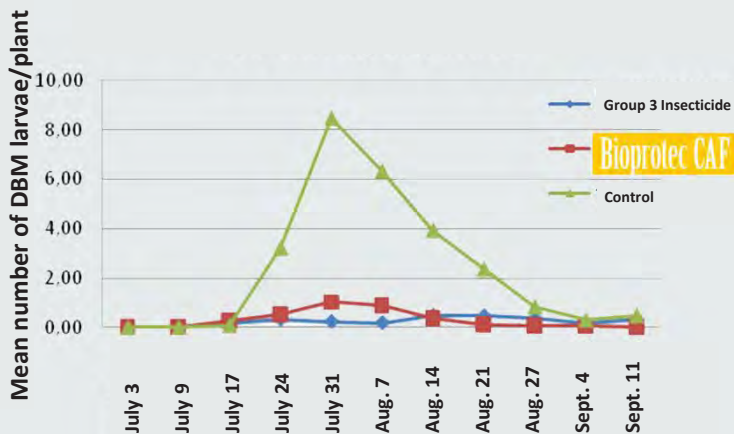
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## FICHE TECHNIQUE

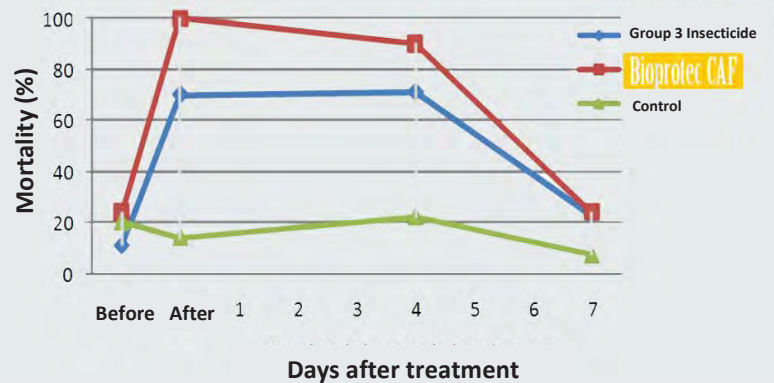
## RÉSULTS

### Field trial against Diamond back moth on cabbage

Effect of treatments on number of DBM larvae



Residual toxicity after application



Residual toxicity was evaluated with bioassay conducted on field collected leaves using third instar larvae of DBM.

Treatment applied with commercial boom sprayer, total of 6 applications based on economic threshold.

Contact your local ag-retailer for more information

Bioprotec® CAF is a registered trademark of AEF Global Inc. Please refer to product label for complete application details. Always read and follow label directions. Log on to [www.aefglobal.com](http://www.aefglobal.com) for full label information.