

# **CANOLA - BEET AND BERTHA ARMYWORM - EARLY SEASON - PENDING REGISTRATION IN CALIFORNIA**

## General Information

### GENERAL INFORMATION

Confirm 2F insecticide mimics the action of the natural insect hormone 20-hydroxyecdysone, the physiological inducer of the molting and metamorphosis process in insects. Confirm 2F is highly active against most lepidopterous larvae while having practically no activity at typical use rates against other orders of insects. The selectivity of Confirm 2F allows for the maintenance of the populations of beneficial and predatory insects, which is a key element in integrated pest management programs. Confirm 2F controls lepidopterous larvae through a novel mode of action by the induction of a premature lethal molt which initiates within hours of ingestion of treated crop surfaces. Contact activity has also been observed in some insects. Actual death of the larvae will take several days to occur, although feeding by the insects generally ceases within 24 hours of ingestion.

### Application Timing

The activity of Confirm 2F is expressed primarily through ingestion by the target larvae. Consequently, the timing of application is dependent upon the feeding behavior of the target pest. For internal feeding larvae, application must be made prior to the time that surface feeding occurs. For foliar or surface feeding larvae, application made while active feeding is occurring will be effective.

Reapplication may be required to protect new flushes of foliage or rapidly expanding fruit. The reapplication interval will vary depending upon how rapidly the crop is growing and the generation time of the target pest. While Confirm 2F is essentially equally effective against all instars, it is generally good practice to make applications to early instars to avoid the heavy damage that can be inflicted by later instar larvae. For best results, begin applications when first signs of feeding damage or when threshold levels of moths, eggs or larvae occur. Consult the Cooperative Extension Service, or other qualified professional authorities, to determine the appropriate threshold for application in your area.

## Limitations, Restrictions, and Exceptions

### APPLICATION TIMING

For early-season applications only to young crop and small plants. Begin applications when first signs of feeding damage appear or when

infestations reach threshold levels as defined by Cooperative Extension Service or other qualified professional authorities.

### Specific Use Directions

Equipment and spray volume should be carefully adjusted to assure thorough uniform coverage of infested parts of the crop.

Ground Application: Apply a minimum of 8 gallons per acre by conventional ground equipment to young crop and small plants. Apply a minimum of 10 gallons per acre to densely foliated or difficult to cover crop to ensure thorough coverage.

Aerial Application: Apply a minimum of 5 gallons per acre.

Note: This product is toxic to aquatic invertebrates. Refer to the Environmental Hazards section of the product label attached to the product container for required protective measures.

### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

### Pre-Harvest Interval

14 days

### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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### Restricted Entry Interval

4 hours

### Timings

When first sign of feeding damage appear.