

# **CRANBERRY - SPOTTED FIREWORM**

## 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

First generation: Apply to small larvae before webbing occurs when threshold infestations are detected by sweep net sampling. Make a second application 7 to 10 days following the first application to heavy infestations or sustained moth flight.

Second generation: Make the first application at 10 to 20% egg hatch (usually mid to late June) followed by a second application 7 to 10 days later.

## RESTRICTIONS

- Do not apply more than 64 fl oz of Confirm 2F per season.
- Allow at least 30 days to elapse between final application and harvest.

Ground Application: Make applications by conventional ground sprayers that are calibrated to deliver a minimum of 20 gallons per acre.

Aerial Application: Make applications of Confirm 2F in a minimum of 10 gallons per acre

Biofix is defined as first sustained adult catch in pheromone traps, typically, five moths in three traps within a seven-day period. Consult State

Extension Specialists or other qualified authorities for specific information regarding number, placement and management of pheromone traps.

## Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

## Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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## Restricted Entry Interval

4 hours

## Timings

[N.A.](#)