

POME FRUITS - CODLING MOTH (WEST OF ROCKIES)

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 each codling moth generation, apply at initiation of egg hatch [150 to 250 Day Degrees (DD), base 50 F, following biofix] followed by a second application at 10 to 15 days following the first application (usually 450 to 550 DD).

Additional applications at 10 to 15-day intervals may be required under high infestations, sustained moth flight, or to ensure coverage of rapidly expanding fruits or foliage.

RESTRICTIONS

- Do not apply more than 20 fl oz per application or 120 fl oz Confirm 2F per acre per season.
- Allow at least 14 days to elapse between final application and harvest.
- Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.

Ground Application: Make applications of Confirm 2F by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to trellised trees or trees 10 feet tall or less. For trees greater than 10 feet tall, use a minimum of 100 gallons per acre

Aerial Application: Make applications of Confirm 2F in a minimum of 20 gallons per acre. Confirm 2F can be applied by aerial applications when

situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of

the entire tree canopy.

Spray Adjuvant: The use of a spreader-sticker to maximize uniform coverage and distribution of the spray material is recommended.

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

[At initiation of egg hatch.](#)