POTATOES, TOMATOES, AND EGGPLANT - COLORADO POTATO BEETLE

General Information

GENERAL USE INSTRUCTIONS

Novodor FC is a highly effective biological insecticide containing the active protein crystal produced by Bacillus thuringiensis subspecies tenebrionis. Novodor FC is recommended for use against the larval stage of the Colorado Potato Beetle, Leptinotarsa decemlineata, and the Elm Leaf Beetle, Pyrrhalta luteola. Novodor FC is most effective against first and second instar larvae. Therefore, applications should be timed to coincide with the first egg hatch of the target pest. Applications should be followed by close scouting for signs of reinfestations. Reapply as necessary to maintain control.

Due to its unique mode of action, Novodor FC must be ingested by the target insect larvae to be effective. Therefore, thorough coverage of the crop to be protected is essential for best results. Upon ingestion, the protein is activated under the specific gut conditions of the target insect causing general gut paralysis and cessation of feeding within hours. Death occurs in 2-5 days.

When larvae and adult beetles are present an effective adulticide with rapid knock-down activity should be used.

APPLICATION VOLUME

Novodor FC may be applied by ground or aerial equipment with sufficient quantities of water to provide thorough coverage of plant parts to be protected. The amount of water needed per acre will depend upon crop size, weather, spray equipment, and local experience.

Ground Application: Use the recommended amount of Novodor FC in a minimum of 20 gallons of water per acre.

Aerial Application: Use recommended amount of Novodor FC in a minimum of 3 gallons of water per acre.

Avoiding spray drift at the application site is the responsibility of the applicator. The
interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

Limitations, Restrictions, and Exceptions

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The Novodor FC application rate depends on the population pressure and the stage of the larval development. For light to moderate populations of early instar larvae (newly hatched to 1/4 inch in length) apply 1 to 3 quarts of Novodor FC per acre. Against heavy infestations of early instar larvae apply 2 to 3 quarts per acre. When mixed populations of younger and older larvae are present, apply Novodor FC at 3 to 4 quarts per acre.

Method

Broadcast/Foliar Air
Broadcast/Foliar Ground

Rates

field_rates 0
field_rates 1
field_rates 2

Restricted Entry Interval

4 hours

Timings

Applications should be timed to coincide with the first egg hatch of the target pest.