

70051-64

03/23/2004

1/6

TRIDENT Biological Insecticide

For Control of Colorado Potato Beetle on Potatoes, Tomatoes, and Eggplant

ACTIVE INGREDIENT:

Bacillus thuringiensis variety *tenebrionis* strain SA-10 solids,
spores, and insecticidal toxins*14.32%

OTHER INGREDIENTS:.....85.68%

TOTAL:.....100.00%

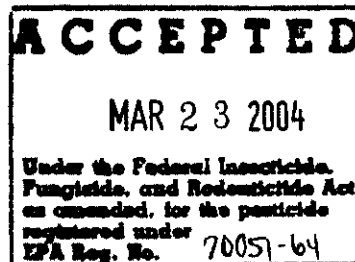
* The percentage active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Registration Number: 70051-64
EPA Establishment Number: 70051-CA-001

Net Contents:
Lot No.:
Made in U.S.A.



Trident is a registered trademark of Certis USA, L.L.C.

Certis USA, L.L.C.
9145 Guilford Road, Suite 175
Columbia, MD 21046

FIRST AID

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Hot Line Number: 1-800-255-3924.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS—CAUTION: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear gloves, goggles, and dust mask.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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

ENVIRONMENTAL HAZARDS:

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

General: Trident is a biological insecticide specific for the control of Colorado potato beetle (*Leptinotarsa decemlineata*) larvae on potatoes, tomatoes, and eggplants. Trident, while equally effective at controlling chemical-resistant populations of Colorado potato beetles, is not harmful to beneficial insects.

Initiate Trident application as soon as eggs begin to hatch. Trident is most effective on young Colorado potato beetle larvae, in the first and second instars or up to ¼ inch in length. Trident attacks the larval gut and must be ingested by the insect to be effective. Thorough plant coverage is essential for best results. After eating Trident, larvae stop feeding within a few hours and die within 2-4 days.

Since the active ingredient, *Bacillus thuringiensis*, is exempt from tolerance requirements, Trident may be applied up to the day of harvest.

Mixing: Always shake or stir Trident thoroughly before use. Fill tank with 3/4 of the total volume of water to be used, then add the required amount of Trident for the desired application rate. Mix well, and then add the remaining 1/4 of the water to bring the final volume up to the total required for the finished spray. Maintain agitation. Do not allow diluted sprays to remain in the tank for more than 48 hours. Trident is formulated to provide desirable coverage and adherence to leaf surfaces. Additional adjuvants, spreaders, or stickers may be added to improve product performance, especially under heavy dew or rainy conditions. Combinations with commonly used insecticides, fungicides or other spray tank adjuvants are generally not deleterious to Trident if the mix is used promptly. Before mixing in the spray tank, it is advisable to test physical compatibility by mixing all components in a small container in proportionate quantities.

APPLICATION:

Volume: For ground equipment use the application rate amount of Trident in a minimum of 20 gallons of water per acre. For application by air, use the application rate of Trident in a minimum of 3 gallons of water per acre. Thorough coverage of all foliage is essential for good Colorado potato beetle control and dictates the minimum volume necessary.

Rate: With ground equipment, apply 3 to 6 quarts per acre of Trident for control of young larval populations of Colorado potato beetles, hatchling to 1/4 inch in length. Use the 3 quart per acre rate only when light, uniform populations of larvae are present. For aerial application, use Trident at 4 to 6 quarts per acre. Use the higher rate against heavy Colorado potato beetle infestations or where it is difficult to get good coverage. Reapply as necessary under a pest management program that includes close scouting. In periods of heavy egg hatching, shorten the application interval to 4 to 5 days.

Early morning application of Trident may enhance Colorado potato beetle control.

Special Instructions: Addition of a spreader sticker, such as pinolene to Trident improves control of young beetle larvae.

Trident is most effective against young larvae. Early application is essential for maximum effect. When infestations of older larval Colorado potato beetle occur, use an effective contact insecticide with rapid knockdown activity.

Trident will not provide control of potato insect pests other than Colorado potato beetle. For other pests use an appropriately labeled insecticide to achieve control.

6/10

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool place. Activity may be impaired by storage at temperatures above 90°F.

Pesticide Disposal: Wastes resulting from this product must be disposed on on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Warranty

Certis USA, L.L.C. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the insect problem, condition of the crop, incompatibility with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herein. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.**

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