



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 29, 2016

Audra Zentner  
Regulatory Supervisor  
Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Revised Format  
Product Name: Bonide Bacillus Thuringiensis (Bt) Moth Larvae (Caterpillar) Control  
EPA Registration Number: 4-226  
Application Date: March 14, 2016  
OPP Decision Number: 516346

Dear Ms. Zentner:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

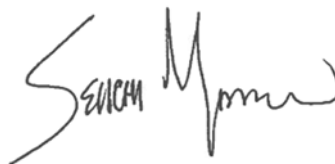
The labeling submitted with this application has been stamped “Notification” and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

If you have any questions, please contact me at (703) 347-0163 or via email at [murasaki.seiichi@epa.gov](mailto:murasaki.seiichi@epa.gov).

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Sincerely,

A handwritten signature in black ink, appearing to read "SEIICHI MURASAKI". The signature is stylized with a large initial "S" and a prominent "M".

Seiichi Murasaki  
Acting Product Manager 92  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure: Label stamped "Notification"

**NOTIFICATION**

4-226

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

04/29/2016



**Bonide Bacillus Thuringiensis (Bt) Moth Larvae (Caterpillar) Control**

[Additional Brand Names: Bonide Bacillus Thuringiensis (Bt); Bacillus Thuringiensis (BT) Thuricide®; Thuricide® Bacillus Thuringiensis (BT)]

Optional Marketing Statements:

Moth Larvae (Caterpillar) Control

For Control of certain leaf eating worms on fruits, nuts, vegetables and gypsy moth on shade trees and ornamentals

Easy to Mix Liquid Concentrate

Controls worms and caterpillars on Fruits, Nuts, Vegetables, Ornamentals and Shade Trees

When used as directed, kills worms and caterpillar stage insects with no harmful effect on birds, earthworms or beneficial insects such as honeybees and lady bugs.

Acceptable for use on edible plants (fruit/vegetable gardens) up to the day of harvest.

**Controls** redhumped caterpillars, cabbage looper, omnivorous and fruit tree leaf roller...

**Use** on broccoli, cabbage, mustard greens, melons tomatoes and others as listed...

**Mix** ½ to 4 tsp. per gallon of water. **Mixture ratios vary. Read and use according to label directions.**

**Apply** using hose-end or pressurized sprayers. Can be applied up to day of harvest.

**Controls moth larvae (caterpillars), certain leaf eating worms, and Gypsy Moths.**

**ACTIVE INGREDIENT:**

\*Bacillus thuringiensis subspecies *kurstaki* strain SA-12 solids, spores  
and Lepidopteran active toxins (At least 6 million viable spores per mg.)\* ..... 15.0%

**OTHER INGREDIENTS:**..... 85.0%

**TOTAL**..... 100.0%

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See side/back/other panel(s) for additional Precautionary Statements and First Aid.

**NET CONTENTS: xx FL OZ (xx ml)**

[BACK/SIDE/OTHER PANEL(S)]

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Mixers, 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.

**Environmental Hazards:** To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. This product must not be applied within 300 feet of any habitats of endangered or threatened lepidoptera (i.e., moths or butterflies).

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>

**CONTROLS** redhumped caterpillars, cabbage looper, omnivorous and fruit tree leaf roller... **USE** on broccoli, cabbage, mustard greens, melons, tomatoes and others as listed... **Mixture ratios vary. Read and use according to label directions.** Can be applied using hose-end or pressurized sprayers. Can be applied up to day of harvest.

**Controls moth larvae (caterpillars), certain leaf eating worms, and Gypsy Moths.**

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For residential use in vegetable gardens and on fruits, shade trees and ornamentals.

### STORAGE AND DISPOSAL

**Storage:** Store and transport in an upright position. Store in a cool dry area inaccessible to children or pets.

**Disposal:** *If empty* – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**General Information** – Bonide® *Bacillus Thuringiensis* (BT) is a bacterium which is selectively toxic to many moth and butterfly larvae (Caterpillars). The insects stop feeding and die within 2 - 3 days of ingestion. This product may be applied up to the day of harvest.

**Apply at first sign of infestation, and repeat at weekly intervals as needed to maintain control.** Bonide® BT may be applied by hose-end sprayers, pressurized hand sprayers, or mist blowers. Apply thoroughly to upper and lower leaf surfaces, but not to the point of excessive run-off. Reapply after heavy rains. Agitate regularly while spraying.

Do not apply through any type of irrigation system.

**Mixing:** Shake or stir thoroughly before use. Following use rates given on this label, add product to water in jar or tank while shaking or stirring. A sticker and evaporation retardant (such as molasses) may be added to the spray mix. Do not store diluted spray mix for more than 12 hours.

### Shade Trees & Ornamentals:

Use at the rate of 4 teaspoons/gal. of water to control the following leaf-eating worms:

**Bagworm  
Gypsy Moth\*  
Fall Webworm**

**Spring Cankerworm  
Tent Caterpillar**

**Fall Cankerworm  
Elm Spanworm**

\*Gypsy Moth - Apply when caterpillars are small (2nd or 3rd instars), and repeat treatment in two weeks.

### Vegetables, Fruits & Nuts:

Crop (Site)	Pest	Rate (tsp./gal. water)
Almonds	redhumped caterpillar, tent caterpillar	2 - 4
Apples, Pears Apply when eggs or newly hatched larvae first appear.	redbanded leafroller tufted apple budmoth variegated leafroller tent caterpillar fruit tree leafroller gypsy moth	2 - 4
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens, Turnip Greens	cabbage looper	2 - 4
	imported cabbage worm green cloverworm	1 - 3
	diamondback moth	1 - 2
Beans, Beets, Carrots, Celery, Chard, Chinese Cabbage, Endive, Escarole, Garlic, Kohlrabi, Lentils, Lettuce,	cabbage looper	2 - 4

Onions, Parsley, Radishes, Spinach, Squash		
Cherries	tent caterpillar	2 - 4
Cucumbers, Melons, Potatoes	cabbage looper	2 - 4
Currants, Blueberries, Caneberries, (Blackberries, Dewberries, Raspberries) Begin treatment as soon as possible after hatching and before larvae are protected by leaf folds.	omnivorous leafroller	2 - 4
Eggplant, Peppers, Tomatoes	tomato hornworm	1 - 3
	tomato fruitworm (suppression only)	2 - 4
	cabbage looper	
Filberts	tent caterpillar filbert leafroller	2 - 4
Watermelons (Florida)	rindworm complex	1 - 3
Grapes Begin treatment as soon as possible after hatching and before larvae are protected by leaf folds.	grape leaf folder	2 - 4
	omnivorous leaf roller	1 - 3
Mint	cabbage looper	2 - 4
Strawberries	cabbage looper	2 - 4
	roughskinned cutworm	
Oranges	fruit tree leaf roller	2 - 4
	citrus cutworm	
	orange dog	1 - 2
Peaches, Nectarines	redhumped caterpillar	2 - 4
	tent caterpillar	
	omnivorous leafroller	
Pecans	redhumped caterpillar	2 - 4
	fall webworm	
	tent caterpillar	
Walnuts	redhumped caterpillar	½ - 2
	tent caterpillar	2 - 4
	fall webworm	
	omnivorous leafroller	

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents, call the National Pesticide Information Center at 1-800-858-7378.

NOTE: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

THURICIDE® is a registered trademark of Certis USA.

[Batch Code to be inserted at production]

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