

THURICIDE[®] BACILLUS THURINGIENSIS (BT) CONCENTRATE

CONTROLS REDHUMPED CATERPILLARS, CABBAGE LOOPER,
OMNIVOROUS AND FRUIT TREE LEAF ROLLER...

USE ON BROCCOLI, CABBAGE, MUSTARD GREENS, MELONS,
TOMATOES AND OTHERS AS LISTED...

MIX 1/2 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.

Store and transport in an upright position.

Buyers Guarantee Limited to Label Claims.

EPA Est. No. 4-NY-1 EPA Reg. No. 4-226

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

Pint

BN



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.

GENERAL INFORMATION

This product 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 at recommended amounts up to the day of harvest.

Apply at first sign of infestation, and repeat at weekly intervals as needed to maintain control. This product 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. Add recommended amount of 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	Spring Cankerworm	Fall Cankerworm
Gypsy Moth*	Tent Caterpillar	Elm Spanworm
Fall Webworm		

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

VEGETABLES, FRUITS & NUTS

Crop	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, Onions, Parsley, Radishes, Spinach, Squash	cabbage looper	2 - 4

VEGETABLES, FRUITS & NUTS Cont.

Crop	Pest	Rate (tsp./gal. water)
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), cabbage looper	2 - 4
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 roller	2 - 4
	omnivorous leaf roller	1 - 3
Mint	cabbage looper	2 - 4
Strawberries	cabbage looper, roughskinned cutworm	2 - 4

VEGETABLES, FRUITS & NUTS Cont.

Crop	Pest	Rate (tsp./gal. water)
Oranges	fruit tree leaf roller, citrus cutworm	2 - 4
	orange dog	1 - 2
Peaches, Nectarines	redhumbed caterpillar, tent caterpillar, omnivorous leafroller	2 - 4
Pecans	redhumbed caterpillar, fall webworm, tent caterpillar	2 - 4
Walnuts	redhumbed caterpillar	½ - 2
	tent caterpillar, fall webworm, omnivorous leafroller	2 - 4

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* - Do not reuse 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.

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.

If Inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
If in Eyes:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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.
If Swallowed:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.

**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. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

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

Recommendations for use of this product are based upon tests believed to be reliable. Buyer assumes all risk for use of this product when not used in strict accordance with label directions, or when used under abnormal conditions not reasonably foreseeable to the seller.

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Bonide Bacillus Thuringiensis Thuricide (BT)

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Bacillus Thuringiensis Thuricide (BT)

ID # 4226

Date: October 12, 2007

Section I

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

(800) 424-9300
(315) 736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Bacillus Thuringiensis				0.8

Physical Properties III

APPEARANCE: Green, viscous liquid
BOILING POINT: 212° F
pH: 4.8 – 5.2

ODOR: Slightly Fishy
SPECIFIC GRAVITY: 1.01

Section III - Fire/Explosion Hazard Data

FLAMMABILITY: Non-flammable

UNUSUAL FIRE/EXPLOSION HAZARD: None

HAZARDOUS DECOMPOSITION: None

IN CASE OF FIRE: Use a dry chemical, foam or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate non essential personnel from the area to prevent human exposure to fire, smoke, fumes, products or combustion. Prevent use of contaminated buildings, area and equipment until decontaminated.

Section IV - Spill or Leak Procedures

PRECAUTIONS: N/A

DISPOSAL: For small spills cover with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a waste container. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

Section V - Storage and Handling

STORAGE: Since this is a biological product. Avoid exposure to temperatures greater than 90°F or lower than 32°F. Store in well ventilated area out of the reach of children and pets. Wash thoroughly after handling. Keep away from food sources, feed and water sources.

HANDLING PRECAUTIONS: Wear safety glasses. Avoid inhalation. Always practice good hygiene when handling this or any pesticide. Avoid skin contact –Wear gloves, long sleeved shirt and long pants with soaks and shoes. Wash clothing thoroughly if contaminated

CONTAINER DISPOSAL: Wrap and place in trash collection. Do not reuse product containers.

Section VI - Health Hazard Data

PRECAUTIONS: Avoid Inhalation.

FIRST AID: IF IN EYES: Flush with plenty of water as a precaution. May result in eye irritation.

SKIN: May be a skin irritant to some people. Individuals with allergies or pre-existing dermatitis should wear nitrile, rubber or other impervious gloves if skin sensitivity is likely. Wash thoroughly after handling including hunder nails and hair.

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Section VI - Health Hazard Data

INGESTION: There is no specific antidote if this product is ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically.

Section VII - Additional Information/Hazards

Do not contaminate water with this product.

DOT Classification: Non Hazardous, No Placard required.
B/L Freight Classification: Insecticides or Fungicides, Agricultural, N.O.S.
RCRA Classification: NA
CERCLA Reportable Quantity (RQ): None

NFPA Hazard Rating: Health: 1
Flammability: 0
Reactivity: 0

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE	N/E: NOT ESTABLISHED
TLV: THRESHOLD LIMIT VALUE	TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY
STEL: SHORT TERM EXPOSURE LIMIT	D.O.T.: DEPARTMENT OF TRANSPORTATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.