

As a biological product, it should be protected from extremes of heat and cold (>90°F & <32°F) to maintain effectiveness. There is no residue problem and being exempt from tolerance requirements, may be applied at recommended amounts up to day of harvest. BT attacks the insects intestine and must be eaten. After ingestion, worms stop feeding and die within 2-3 days.

DIRECTIONS

Apply at first sign of infestation when worms are small and repeat at weekly intervals as needed to maintain control. Thorough underleaf coverage is essential for best results. Where heavy dew or rain is encountered, addition of a sticker, adhesive or deposit builder such as Nu Film 17, Dupont spreader stickers or Rohm & Haas B1956, is recommended.

MIXING: Always shake or stir thoroughly before use. Pour recommended amount onto surface of water in a nearly filled spray tank. Maintain agitation. Use the higher rates against very heavy worm infestations, or where it is difficult to get good coverage due to rank foliage. Do not allow dilute sprays to stand in the tank for more than 12 hours. Combinations with chemical insecticides, fungicides, spreader-stickers, and stickers in the tank are generally not harmful if the mix is used promptly. Do not re-use empty container; destroy or discard in safe place.

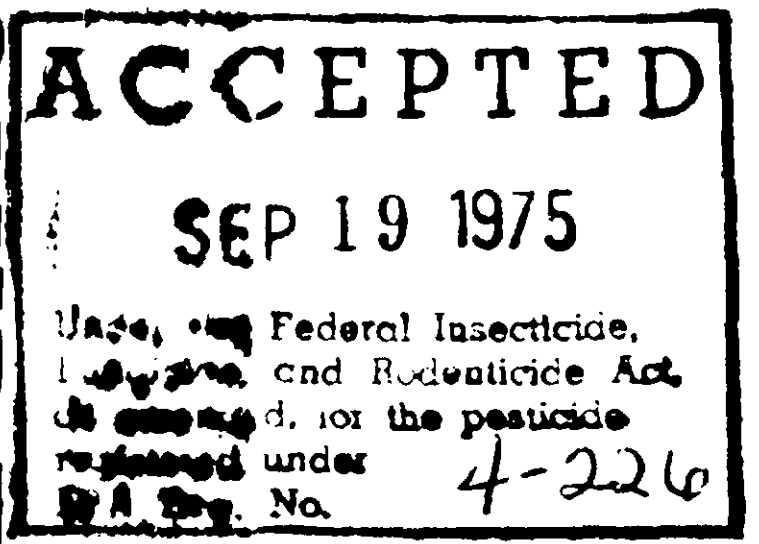
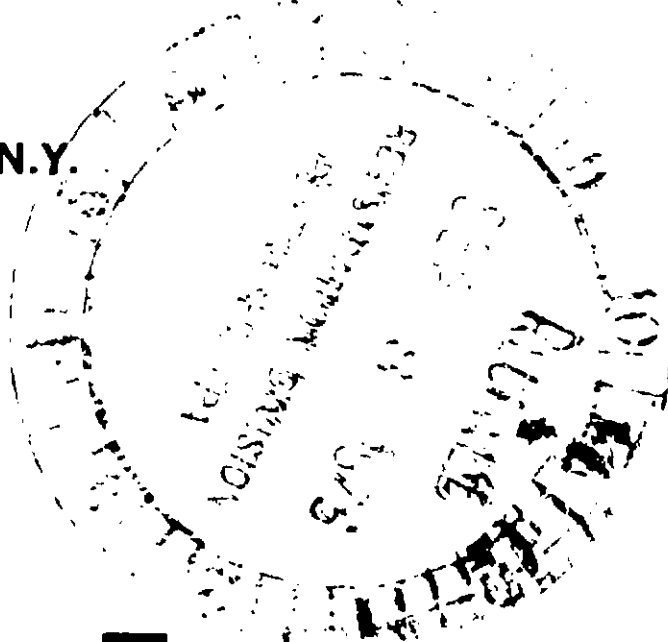
GROUND APPLICATION, TREES: Use recommended amount in 100 gallons of water in high pressure, high gallonage hydraulic sprayers. Wet foliage thoroughly with spray but not to the point of excessive runoff. For mist blowers use recommended amount in 10 gallons of water. To prevent washoff by rain add a sticker to the finished spray.

GROUND APPLICATION: Use recommended amount in a minimum of 5 to 50 gallons of water, depending on the type of crop and requirements of state regulations.

AERIAL APPLICATION: Use recommended amount in 5 to 20 gallons of water. Apply early morning or evening when the air is calm.

GYPSY MOTH (Restricted to the Northeastern United States): Aerial Application — BONIDE BT may also be applied by air to prevent excessive defoliation by gypsy moth. Applications should be started when egg hatch is essentially complete and the larvae are in the 2nd and 3rd instar. For best results, spray when leaf expansion reaches 40-50%, and respray 14 days later. Use two quarts in 1-4 gallons finished spray per acre. Incorporate in the spray mix an evaporation retardant, such as Molasses, Cargill's insecticide base, polyethylene glycol E-400, and a film-forming sticker (see above). To obtain thorough coverage use Spray equipment suitable for delivery of droplets of less than 300 microns average diameter.

Buyer's guarantee limited to label claims
Manufactured for
BONIDE CHEMICAL CO., INC., Yorkville, N.Y.



BONIDE

NATURAL - ORGANIC

BACILLUS

THURINGIENSIS (BT)

MOTH LARVAE (CATERPILLAR) CONTROL

FOR CONTROL OF CERTAIN LEAF EATING WORMS ON FRUITS, VEGETABLES, SHADE TREES AND ORNAMENTALS AS DESCRIBED ON SIDE PANEL

ACTIVE INGREDIENTS:
*Bacillus thuringiensis Berliner, potency of 4,000 I.U. (at least 6 million viable spores per milligram) 0.89%
Petroleum hydrocarbon solvent 3.00%
INERT INGREDIENTS:
Equivalent to 4.0 billion I.U. per quart THURICIDE HPC: 96.29%
Reg. Trade Mark of Sandoz-Wander, Inc.

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

CAUTION: KEEP OUT OF REACH OF CHILDREN
(See side panel cautions)

STORE IN A COOL PLACE 1 QT. NET

CROP	PEST	AMOUNT
ALFALFA	alfalfa caterpillar	1 1/2 tsp./gal. water, or 1 1/4 qt./100 gals. per acre
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, TURNIP GREENS	imported cabbage worm	2 1/4 tsp./gal. water, or 1 1/2 qts./100 gals. per acre
BEANS, CELERY, LETTUCE, SPINACH	cabbage looper	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
MELONS, POTATOES, CUCUMBERS (Southeast only)	cabbage looper	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
COTTON (Arizona, California)	cabbage looper	2 1/4 tsp./gal. water, or 1 1/2 qts./100 gals. per acre
TOBACCO	cabbage looper	2 1/2 tsp./gal. water, or 1 1/2 qts./100 gals. per acre
TOMATOES	tobacco budworm, tobacco hornworm, cabbage looper	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
TOMATOES	tomato hornworm	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
WATERMELONS (Florida)	rindworm complex	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
GRAPES	grape leaf folder, omnivorous leaf roller (California)	2 1/4 tsp./gal. water, or 1 1/2 qts./100 gals. per acre
ORANGES (GROUND APPLICATION ONLY - ARIZONA AND CALIFORNIA)	fruit tree leafroller	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
ORANGES (GROUND APPLICATION ONLY - CALIFORNIA)	orange dog	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre
WALNUTS (GROUND APPLICATION ONLY - CALIFORNIA)	redhumped caterpillar	1 1/2 tsp./gal. water, or 1 1/4 qts./100 gals. per acre

GENERAL INFORMATION

BONIDE NATURAL ORGANIC BACILLUS THURINGIENSIS (BT) is a microbial bacterium which is toxic to many moth and butterfly larvae (worms).

As a biological product, it should be protected from extremes of heat and cold (>90°F & <32°F) to maintain effectiveness. There is no residue problem and being exempt from tolerance requirements, may be applied at recommended amounts up to day of harvest. BT attacks the insects intestine and must be eaten. After ingestion, worms stop feeding and die within 2-3 days.

DIRECTIONS

Apply at first sign of infestation when worms are small and repeat at weekly intervals as needed to maintain control. Thorough underleaf coverage is essential for best results. Where heavy dew or rain is encountered, addition of a sticker, adhesive or deposit builder such as Nu Film 17, Dupont spreader stickers or Rohm & Haas B1956, is recommended.

MIXING: Always shake or stir thoroughly before use. Pour recommended amount onto surface of water in a nearly filled spray tank. Maintain agitation. Use the higher rates against very heavy worm infestations, or where it is difficult to get good coverage due to rank foliage. Do not allow dilute sprays to stand in the tank for more than 12 hours. Combinations with chemical insecticides, fungicides, spreader-stickers, and stickers in the tank are generally not harmful if the mix is used promptly. Do not re-use empty container; destroy or discard in safe place.

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MOTH LARVAE (CATERPILLAR) CONTROL

FOR CONTROL OF CERTAIN LEAF EATING WORMS ON
VEGETABLES, SHADE TREES AND ORNAMENTALS
DESCRIBED ON SIDE PANEL

EPA Est. 4-NY-1

EPA Reg. No.

ACTIVE INGREDIENTS:

*Bacillus thuringiensis Berliner, potency of 4,000 I.U.
(at least 6 million viable spores per milligram)

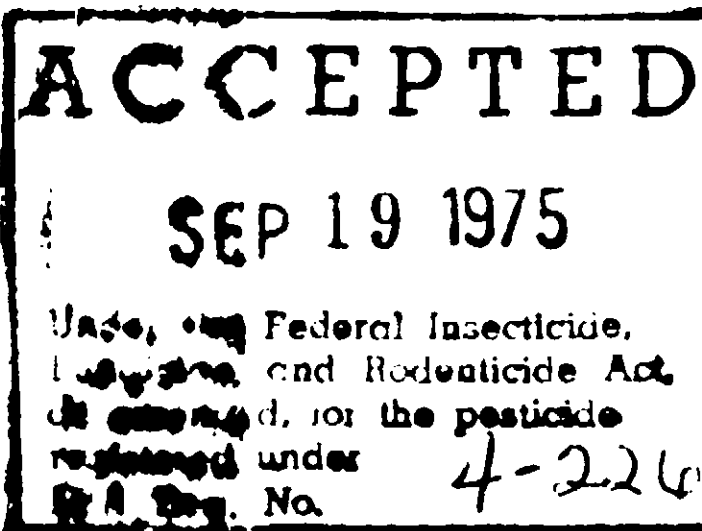
Petroleum hydrocarbon solvent

INERT INGREDIENTS:

Equivalent to 4.0 billion I.U. per quart THURICIDE - HPC;
Reg. Trade Mark of Sandoz-Wander, Inc.

CAUTION: KEEP OUT OF REACH OF CHILDREN
(See side panel cautions)

STORE IN A COOL PLACE



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 Under reg. Fed.
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 registered and
 EPA Reg. No.

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N I D E

**ACILLUS
 GIENSIS (BT)**

(CATERPILLAR) CONTROL

**IN LEAF EATING WORMS ON FRUITS,
 E TREES AND ORNAMENTALS AS
 BED ON SIDE PANEL**

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

erliner, potency of 4,000 I.U.
 le spores per milligram) 0.8%
 solvent 3.0%
 96.2%
 I.U. per quart THURICIDE® - HPC:
 doz-Wander, Inc.

EP OUT OF REACH OF CHILDREN

(see side panel cautions)

LACE

1 QT. NET

CROP	PEST	AMOUNT
ALFALFA	alfalfa caterpillar	½ tsp./gal. water, or ¼ qt./100 gals. per acre
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, TURNIP GREENS	cabbage looper	2-4 tsp./gal. water, or 1-2 qts./100 gals. per acre
	imported cabbage worm	1-3 tsp./gal. water, or ½-1½ qts./100 gals. per acre
BEANS, CELERY, LETTUCE, SPINACH	cabbage looper	2-4 tsp./gal. water, or 1-2 qts./100 gals. per acre
MELONS, POTATOES, CUCUMBERS (Southeast only)	cabbage looper	1-3 tsp./gal. water, or ½-1½ qts./100 gals. per acre
COTTON (Arizona, California)	cabbage looper	2-4 tsp./gal. water, or 1-2 qts./100 gals. per acre
TOBACCO	cabbage looper	2-3 tsp./gal. water, or 1-1½ qts./100 gals. per acre
	tobacco budworm, tobacco hornworm	1-2 tsp./gal. water, or ½-1½ qts./100 gals. per acre
TOMATOES	cabbage looper	1-3 tsp./gal. water, or 1-1½ qts./100 gals. per acre
	tomato hornworm	1-2 tsp./gal. water, or ½-1½ qts./100 gals. per acre
WATERMELONS (Florida)	rindworm complex	1-2 tsp./gal. water, or ½-1½ qts./100 gals. per acre
GRAPES	grape leaf folder	2-4 tsp./gal. water, or 1-2 qts./100 gals. per acre
	omnivorous leaf roller (California)	1-3 tsp./gal. water, or ½-1½ qts./100 gals. per acre
ORANGES (GROUND APPLICATION ONLY -- ARIZONA AND CALIFORNIA)	fruit tree leafroller	2-4 tsp./gal. water, or 1-2 qts./100 gals. per acre
	orange dog	1-1½ tsp./gal. water, or ½-1 qt./100 gals. per acre
WALNUTS (GROUND APPLICATION ONLY -- CALIFORNIA)	redhumped caterpillar	1-2 tsp./gal. water, or ¼-1 qt./100 gals. per acre