

CATERPILLAR KILLER

- **TWIST AND SHOOT™ SPRAYER REACHES OVER 25 FEET FOR TALLER TREES, OR A FAN PATTERN FOR LOWER LYING PLANTS AND GARDENS**
- **KILLS BAGWORMS, TENT CATERPILLARS, GYPSY MOTHS AND OVER 100 OTHER INSECT PESTS**
- **CONNECT AND SPRAY**
- **KILLS AND REPELS INSECTS ON TREES, SHRUBS, VEGETABLES AND ORNAMENTALS**

Store and transport in an upright position.

EPA Est. No. 4-NY-1 EPA Reg. No. 4-469

Buyers Guarantee Limited to Label Claims.

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Bonide Products, Inc.

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READ THE ENTIRE LABEL BEFORE USE

This product kills Azalea caterpillar, Eastern tent caterpillar, Leaf feeding caterpillars and other listed insects.

DIRECTIONS FOR USE

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

Do not allow children or pets into the treated area until dry.

In New York State, this product may not be applied to lawns within 100 ft. of a coastal marsh, or stream that drains directly into a coastal marsh.

Note: This product is non-staining to most home siding, depending on age and cleanliness. Prior to applying this product to areas that may contact home siding (including vinyl siding), test in a hidden area and recheck in a few hours. If any staining is observed, do not use this product.

APPLICATION

Spray as directed - complete coverage is important. Treat when insects begin to appear and repeat treatments to maintain control as directed. Carefully follow all label directions and any limitations of use, such as the amount of spray to apply or PHI (pre-harvest interval) for particular vegetable crops.

TWIST & SHOOT™ READY TO SPRAY INSTRUCTIONS

- 1) Make sure control knob is in "OFF" position, then connect to garden hose.
- 2) Turn water on at faucet. When spraying low growing plants and small shrubs, twist the control knob right, to the "FAN" position. When spraying taller trees, shrubs and other plants, twist the control knob left to the "STREAM" position for extended reach and more uniform coverage. The product mixes automatically with the water as you spray.
- 3) To stop spraying, turn the control knob lever to the "OFF" position. Turn off water at the faucet and disconnect sprayer from garden hose.

ORNAMENTAL TREES, SHRUBS & FLOWERS

Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply early - prior to high insect infestations. See **Table 1-Ornamental Trees, Shrubs & Flowers Pest Control** for insects controlled.

Table 1. Ornamental Trees, Shrubs & Flowers Pest Control

Use Site	Insects Controlled
Ornamental Trees, Shrubs & Flowers including (but not limited to): Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental),	Ants ¹ , Armyworms , Aphids, Asian lady beetles, Azalea caterpillar , Bagworms ² , Black vine weevil (adult), Boxelder bugs, Broadmites, Brown soft scale ³ , Budworms , California red scale ³ (crawler), Cankerworms , Clover mites, Cockroaches, Crickets, Cutworms , Eastern tent caterpillar ,

Table 1. Ornamental Trees, Shrubs & Flowers Pest Control Cont.

Use Site	Insects Controlled
Non-bearing Citrus, Chrysanthemum, Carnation, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.	<p>Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Gypsy moth larvae, Japanese beetle (adults), June beetles (adults), Lace bugs, Leaf Feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Mealybugs, Midges, Oleander moth larvae, Pillbugs, Pine sawfly, Pine shoot beetles, Pineneedle scale³ (crawler), Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects³ (crawlers), Spiders, Spider mites, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae, Whiteflies</p> <p>¹Argentine, Allegheny mound, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.</p> <p>²For bagworm control, apply when bagworm larvae start to hatch.</p> <p>³For scale control, treat the whole plant, including the stem, trunks and twigs.</p>

VEGETABLES

Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects are present. For best results, apply when insects first appear or damage occurs. Do not exceed pre-harvest interval* (number of days to wait between last application and harvest) for treated vegetables. Do not apply more than 5 times per growing season for corn. For all other crops, do not apply more than 9 times per growing season. See **Table 2-Vegetable Garden Insect Control** for crops, pre-harvest interval (PHI) and insects controlled.

Table 2. Vegetable Garden Insect Control

Crop	PHI*	Insects Controlled
Broccoli, Brussels sprouts, Cabbage, Cavalo broccoli, Cauliflower, Chinese broccoli, Chinese cabbage, Chinese mustard, Kohlrabi	1 day	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Cabbage webworm, Corn earworm, Cutworm, Diamondback moth, Fall armyworm, Flea beetle, Grasshopper, Imported cabbageworm, Japanese beetle¹, Leafhopper, Lygus bug, Meadow spittlebug, Plant bug, Southern cabbageworm, Spider mite, Stink bug, Thrips, Yellow-striped armyworm, Whitefly ¹ adult stages
Corn (sweet & pop)	21 days	Armyworm, Bean leaf beetle, Beet armyworm, Cereal leaf beetle, Chinch bug, Corn earworm, Corn leaf aphid, Cutworm, English grain aphid, European corn borer, Grasshopper, Green bug, Green cloverworm, Hop vine borer, Japanese beetle¹, Meadow spittlebug, Mexican corn rootworm beetle¹, Northern corn rootworm beetle¹, Sap beetle¹, Southern corn rootworm beetle¹, Southwestern corn borer, Stalk borer, Stink bug, Tobacco budworm, Western bean cutworm, Western corn rootworm beetle¹ ¹ adult stages

Table 2. Vegetable Garden Insect Control Cont.

Crop	PHI*	Insects Controlled
Corn (sweet only)	21 days	Aphid, Aster leafhopper, Corn silkfly ¹ , Southern armyworm , Spider mite, Tarnished plant bug, Western bean cutworm ¹ adult stages
Lettuce (head & leaf)	1 day	Alfalfa looper , Aphid, Armyworm , Beet armyworm , Cabbage looper , Corn earworm , Cutworm , Diamondback moth, European corn borer , Fall armyworm , Flea beetle, Grasshopper, Green cloverworm , Imported cabbageworm , Japanese beetle ¹ , Leafhopper, Meadow spittlebug, Plant bug, Saltmarsh caterpillar , Southern armyworm , Spider mite, Stink bug, Tobacco budworm , Vegetable weevil ¹ , Whitefly ¹ adult stages
Onion (bulb) & Garlic	14 days	Aphid, Armyworm , Cutworm , Flower thrips, Leafminer ¹ , Onion maggot ¹ , Onion thrips, Plant Bug, Seedcorn maggot ¹ , Stink bug, Tobacco thrips, Western flower thrips ¹ adult stages
Tomato & Tomatillo	5 days	Aphid, Beet armyworm , Cabbage looper , Colorado potato beetle, Cutworm spp. , European corn borer , Fall armyworm , Flea beetle, Grasshopper, Hornworm , Leafhopper, Leafminer, Meadow spittlebug, Plant bug, Southern armyworm , Stink bug, Tobacco budworm , Tomato fruitworm , Tomato pinworm , Yellow-striped armyworm , Whitefly

PESTS OUTSIDE THE HOME

Use on ornamental plants next to building foundations and other outdoor surfaces where these pests are active, including porches, buildings, screens, overhangs, window frames, garages and patios. See **Table 3-Outdoor Surface Barrier Application** for use rates and instructions.

Table 3. Outdoor Surface Barrier Application

Pests	Use Rate	Instructions
Ants ¹ , Asian lady beetles, Centipedes, Cockroaches, Crickets, Earwigs, Eastern tent caterpillar , Fleas, Forest tent caterpillar , Gypsy moth larvae, Millipedes, Mosquitoes, Palmetto bugs, Scorpions, Sowbugs, Pillbugs, Spiders, Deer ticks (which may transmit lime disease), Waterbugs ¹ Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.	1 QT. (32 fl oz) treats 16,000 sq. ft.	For best results, remove any leaf litter or debris from area prior to treating. Cut back branches or vegetation that contact foundation. Rake back mulch and remove any other material that may serve as harborage sites for pests. Apply a continuous 3 ft. band spray to thoroughly and uniformly wet the treated area around the foundation of buildings, windows, vents, overhangs, doors and other areas to reduce access by crawling insects. Repeat treatment every 8 weeks, as needed.

LAWNS

Measure the area to be sprayed. See **Table 4-Underground and/or Thatch Infesting Insects** and **Table 5-Surface Insects** for use rates and instructions.

Table 4. Underground and/or Thatch Infesting Insects

Pests	Use Rate	Instructions
Bluegrass billbug ¹ (adult), Black turfgrass Ataenius (adult), Chiggers, Chinch bugs, White grubs ^{2,3} (Japanese beetle, European chafer, Southern chafer), Dung beetle, Hyperodes weevils (adult), European crane flies, Mole crickets ³ (nymphs & young adults)	1 QT. (32 fl oz) treats 8,000 sq. ft.	Do not apply more than 7 times per year per location. ¹ Treat billbugs in May (or when first noticed). ² Treat for grubs in early July (or when first noticed) through October. ³ Sub-surface (mole crickets & grubs): Water treated area with ¼ to ½ inch of water following application.

Table 5. Surface Insects

Pests	Use Rate	Instructions
<p>Ants¹, Armyworms, Cockroaches, Crickets, Cutworms, Earwigs, Fleas, Lawn Moths (sod webworms), Millipedes, Mosquitoes, Palmetto bugs, Sowbugs, Mites, Spittlebugs, Deer ticks (which may transmit lime disease), Waterbugs</p> <p>¹Argentine, Southern, Field, Allegheny mound, Florida carpenter, Cornfield, Honey, Pavement, Nuisance.</p>	<p>1 QT. (32 fl oz) treats 16,000 sq. ft.</p>	<p>Do not apply more than 14 times per year per location.</p> <p>Do not water or mow for 24 hours following application.</p>

STORAGE & DISPOSAL

Pesticide Storage: Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.

Pesticide Disposal: *If partly filled* - Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Container Disposal: *If empty* - Non-refillable container. Do not reuse or refill this container unless directions for use allow a different (concentrated) product to be diluted in the container. Offer for recycling if available.

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 swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

WARRANTY

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 or 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.

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