

4-349

8/13/2009

1 of 13



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

AUG 13 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4, 2008-1, and 98-10  
(Updated warranty statement)

Dear Ms. Russell:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4, 2008-1, and 98-10 dated June 18, 2009 for:

**EPA Registration 4-349**

**Bonide Total Pest Control Concentrate**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4, 2008-1, and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4, 2008-1, and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink that reads "Rachel C. Holloman".

Linda Arrington *for*  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

2013

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 4-349	2. EPA Product Manager LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bonide Total Pest Control Concentrate	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Bonide Products, Inc. 6301 Sutliff Road Oriskany, NY 13424 Attn: Nicole Russell <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ AUG 13 2009 Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Updated the Storage and Disposal section per PR Notice 2007-4, updated the Environmental Hazards section per PR Notice 2008-1 and updated the warranty statement.  
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the CSF of this product. Bonide Products, Inc. understands that it is a violation of 18 U. S. C. Sec. 1001 to willfully make any false statement to EPA and further understands that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and Bonide Products, Inc. may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 8 fl. oz., 1 pt., 1 qt., 1/2 gal., 1 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Nicole Russell		Title Pesticide Compliance Specialist		Telephone No. (Include Area Code) 315-736-8231 ext 230	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received <b>(Stamped)</b>
2. Signature 		3. Title Pesticide Compliance Specialist			
4. Typed Name Nicole Russell		5. Date 7/22/09			

Phone (315) 736-8231  
Fax (315) 736-7582

June 18, 2009

**FedEx: 8685 1623 2285**

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
Room S4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

RE: Bonide Total Pest Control Concentrate  
EPA Reg. No. 4-349  
Notification – Updated the Storage and Disposal section per PR Notice 2007-4, updated the Environmental Hazards section per PR Notice 2008-1 and updated the warranty statement.

To Whom It May Concern:

Enclosed, please find a completed form 8570-1, Notification and labeling for the above mentioned registration. Changes are in red text and highlighted in yellow. I trust you will find everything in order for approval.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. Bonide Products, Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. Bonide Products, Inc. Further understands that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and Bonide Products, Inc. May be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This notification is consistent with the guidance in PR Notice 2008-1 and the requirements of EPA's regulations at 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. Bonide Products, Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. Bonide Products, Inc. further understands that if this notification is not consistent with the guidance of PR Notice 2008-1 and the requirements of 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, this product may be in violation of FIFRA and Bonide Products, Inc. may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

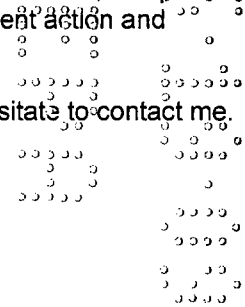
Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



Nicole Russell  
Pesticide Compliance Specialist

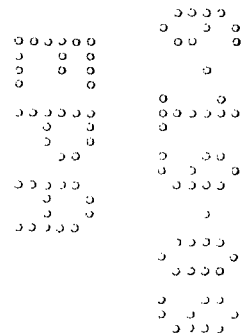
Enclosure



**Continuation of Section II**

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. Bonide Products, Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. Bonide Products, Inc. Further understands that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and Bonide Products, Inc. May be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of label change relative to PR Notice 2008-1. This notification is consistent with the guidance in PR Notice 2008-1 and the requirements of EPA's regulations at 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. Bonide Products, Inc. understands that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. Bonide Products, Inc. further understands that if this notification is not consistent with the guidance of PR Notice 2008-1 and the requirements of 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, this product may be in violation of FIFRA and Bonide Products, Inc. may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.





AUG 13 2009

**Total Pest Control Concentrate**

[Alternate Brand Names: BONIDE® Total Pest Control Concentrate Outdoor Formula, BONIDE® Termite & Carpenter Ant Control, BONIDE® Carpenter Ant Control]

FOR TERMITES: OUTDOOR, POST-CONSTRUCTION, RESIDENTIAL USE ONLY.  
Do not use inside dwellings. For use around existing structures, not for pre-construction use.

Optional Marketing Statements:

Provides long lasting control of problem insects, such as, Colorado potato beetle, Cutworms, Leafminers, Borers, Mites, Crickets. For use outdoors, around buildings, homes, in small flower and vegetable gardens, and on fruit, nut and ornamental trees.

Kills Cicadas (Locust)

Kills Potato beetles.

One teaspoon makes up to 1 ¼ gallons.

Kills and repels: Potato beetles, Borers, Codling moths, Thrips, Whiteflies, Cutworms, Grubs, Grasshoppers, Ants, Mole crickets, Japanese beetles, and over 40 other insects!

Makes up to 40 gallons (5.4 oz. container).

**Use on Listed:**

Lawns

Vegetables

Fruits & Nuts

Flowers & Trees

**To Control Listed:**

Ants, Japanese beetles, Grubs, Mole crickets

Potato flea beetles, Cutworms, Armyworms,

Japanese beetle

Plum Curculio, Pear Psylla

Aphids, Elm leaf beetle, Scales, Spider mites,

Mealybugs, Thrips, Whiteflies.

Also for use on lawns, trees and ornamental plants

Also controls other wood-infesting insects.

Kills Termites, Carpenter Ants and Other Wood-Infesting Insects.

Controls subterranean termites, fire ants, carpenter ants, and wood-infesting beetles.

Kills ash borer, dog wood borer, leafminers, and over 40 other listed insects

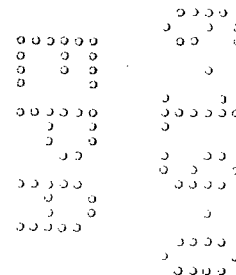
**CONTROLS:** Subterranean Termites, Carpenter Ants, Wood-Infesting Beetles, Ants, Crickets, Earwigs, Fleas, Fire Ants, House Flies, Mosquitoes, Ticks and Wasps. **Mixture ratios vary.**

**Read and use according to label directions.**

**APPLY:** Using sprinkler can, hand sprayer or low-pressure sprayers.

HOUSE GUARD™

For treatment in and around residential buildings



60013

ACTIVE INGREDIENT:

Permethrin (CAS No. 52645-53-1) ..... 13.30%w/w

OTHER INGREDIENTS: ..... 86.70%

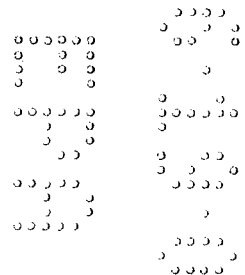
Total ..... 100.00%

**Keep Out Of Reach Of Children**

**WARNING**

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

Net Contents: \_\_\_\_\_



70913

## FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 inhaled: 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 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.

If swallowed: Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS-WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Remove contaminated clothing and wash clothing before reuse. Wear goggles, face shield or safety glasses when handling the undiluted material. Avoid contact with skin or clothing. Harmful if absorbed through skin or swallowed. Avoid breathing vapor. Wash thoroughly with soap and water after handling.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. 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. Apply this product only as specified on this label.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Flashpoint minimum of 105°F (49°C).

### DIRECTIONS FOR USE

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

For use on home lawns, flower and vegetable gardens, fruit, nut and ornamental trees. Not for use on plants being grown for sale or other commercial use or for commercial seed production or for research purposes.

**DIRECTIONS FOR USE ON VEGETABLES:** For backyard vegetable gardens only. Prepare spray mix as directed in following chart. Use 1 qt. of finished spray per 110 square feet (or 1 gal./440 sq. ft.) of surface area.

**HOW TO MIX AND APPLY**

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Repeat applications as needed or as noted in the rate chart.

Step #2: Use clean sprayer: Carefully measure and mix the amount of product and water as suggested in the rate chart. Do not use kitchen utensils for measurements.

Step #3: Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

1 fl. oz. = 6 tsp. or 2 Tbs.

8 fl. oz. = 1/2 pt. or 1 cup

1 fl. oz. in 3 gallons of water = 2 tsp. in 1 gallon of water or 8 fl. oz. in 24 gallons.

Vegetables	Target Pest(s)	Remarks	Recommended Dilution Rate tsp./qt. of water
Asparagus (Pre-harvest)	Cutworm Asparagus Beetle	Apply for uniform coverage as needed. Do not apply more than 4 applications per crop. Can be applied up to 3 days prior to harvest.	1 tsp./5 qts.
(Post-harvest)	Larval stages of Asparagus Beetle, Tarnished Plant Bug, Lygus Bugs, and Adult Japanese Beetle	Treat ferns or bush growth after spear harvest when insects are present.	1 tsp./5 qts.
Celery	Vegetable Leafminer, Cabbage Looper, Black and Granulate Cutworm, Fall, Beet and Southern Armyworm	Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season.	1 1/2 tsp./4 qts.
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet Armyworm, Diamond Back Moth, Imported Cabbageworm, Cabbage Aphid, Cabbage Looper	Apply every 5 days or as needed. Can be applied up to 1 day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts, and Broccoli, and 10 applications to Cabbage.	1 tsp./5 qts.
Eggplant	Colorado Potato Beetle, Vegetable Leafminer	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest	1 1/2 tsp./4 qts.
Horseradish (foliar application)	Imported Crucifer Weevil	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.	1 1/2 tsp./4 qts.
Head Lettuce only (Do not use on Leaf Lettuce)	Cabbage Looper, Alfalfa Looper, Beet Armyworm, Corn Earworm and Tobacco Budworm	Apply every 5-10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest.	1 1/2 tsp./4 qts.
Potatoes	Beet Armyworm, Colorado Potato Beetle, Potato Leafhopper, Potato Flea Beetle, Aster Leafhopper, Potato Aphid, Potato Tuberworm, Cabbage Looper,	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 days prior to harvest.	1 1/2 tsp./4 qts.



	Cutworms, European Corn Borer, Potato Psyllid, Tarnished Plant Bug		
Peppers	Vegetable Leafminer, Cabbage Looper, Flea Beetle, Corn Earworm, Pepper Weevil, European Corn Borer	Apply as needed, but not more than 8 sprays per season. Can be applied up to 3 days prior to harvest.	1 ½ tsp./4 qts.
Spinach	Beet Armyworm, Corn Earworm, Cabbage Looper, Cutworms, European Corn Borer, Green Cloverworm and Leafhoppers	Apply for uniform coverage when needed but not more than 7 applications per season. Can be applied up to 7 days prior to harvest.	1 tsp./5 qts.
Sweet Corn	Corn Earworm, European Corn Borer, Fall Armyworm, Southern Armyworm	Apply every 5 days and when needed but not more than 6 applications per season. Can be applied up to 1 day prior to harvest.	1 ½ tsp./4 qts.

Trees (Fruit or Nut)	Target Pest(s)	Remarks	Recommended Dilution Rate tsp./qt. of water
Almonds	Navel Orange Worm Peach Tree Borer	Apply when insects appear. Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest.	2 ¾ tsp./5 qts.
Apples	Plum Curculio, Redbanded Leafroller, Rosy apple Aphid, Spotted Tentiform Leafminer, Tarnished Plant Bug, White Apple Leafhopper, Oblique-banded Leafroller, Green Fruitworm	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.	2 ¾ tsp./5 qts.
Peaches	Lesser Peachtree Borer, Peach Twig Borer, Plum Curculio, Tarnished Plant Bug, Green Fruitworm, Oriental Fruit Moth	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.	2 ¾ tsp./5 qts.
Pears (dormant through delayed dormant) (summer)	Pear Psylla	Apply during the dormant through delayed dormant growth period only. Add if desired 8 oz. of Bonide All Season's Oil to each gallon of TOTAL Pest Control and use spray. Do not make more than 2 applications per season.	2 ¾ tsp./5 qts.
	Pear Psylla, Green Fruitworm and Codling Moth	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	2 ¾ tsp./5 qts.

**FOR ORNAMENTAL TREES GROWN AROUND THE HOME**

Use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: Boxelder Bug, Clearwing Moth borer, Ash borer, Banded ash clearwing borer, Dogwood borer, Lesser peachtree borer, Lilac borer, Oak borer, Peachtree borer, Rhododendron borer, Cleopteran borer, Bronze birch borer, Flatheaded appletree borer, Pine Moths, Pine Needle Miners, Pine Beetles and Needle Scales on pine, Budworms on conifers, Oakworms on oak, Fall Webworms on cherry, elm and honeysuckle, Aphids on tulip poplar, Citrus Black Flies on non-bearing citrus, Tussock moths on Douglas and grand firs, Leafminers on birch, Elm Leaf Beetle and Elm Spanworms on elms. Mix 2¾ tsp. per 5 qts. water.

**TO KILL TENT CATERPILLARS:** Application should be made when caterpillars are young and tents are first noticed. For results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Mix 2 fl. oz. of this product in one gallon of water. Wet tents with spray on all sides. A few caterpillars may be seen escaping from tent, however, they should die within several hours.

**FOR USE ON HOME LAWNS**

For control of ants (including fire ants), armyworms, chinch bugs, crickets, cutworms, Japanese beetle grubs, grasshoppers, mole crickets and sod webworms, consult the following chart:

Pests	Dilution
Armyworms, Cutworms, Chinch Bugs, Japanese Beetle Grubs, Mole Crickets, Sod Webworm	5 tsp./10 gal. water/1000 sq. ft.
Crickets, Grasshoppers, Ants (including Fire Ants)	2 tsp./3 gal. water/1000 sq. ft.

Lawn should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed above. For heavy infestations, repeat application after two weeks.

Also for control of cutworms on dichondra and Irish moss. Use as directed above for lawns.

Keep children and pets off treated areas until lawn has dried following the application.

**FOR USE ON ORNAMENTAL PLANTS OUTDOORS**

Contact and Residual Spray – Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size.

To use, mix 1 teaspoon of Total Pest Control Concentrate with one gallon of water.

Spray in the late afternoon or evening, when the temperature ranges from 50° to 75°F and when there is little or not wind. Spray at the first indication of insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary, use intervals of 4 to 8 days. Application can be made up to the day of collection.

Spray as directed above to control aphids, cicadas (locust), corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, locust, mealybugs, bagworms, spider mites, exposed thrips and whiteflies on the following plants: Ageratum, Arizona Cypress, Aster, Azalea, Begonia, Coleus, Common Ninebark, Common Snowberry, Elm, Exacum, Euonymous, English Ivy, Gladiolus, Gold Bells, Hypoestes, Ivy, Lilac, Marigold, Mock Orange, Nannyberry, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Poinsettia, Rhododendron, Rose, Snapdragon, Taxus, Wax Plants, Weeping Fig, Zinnia.

110613

### OUTDOOR PEST CONTROL

For contact and residual spray, mix with water in the following manner:

Finished spray	Total Pest Control (Fl. Oz.)	Water
0.025%	2 2/3 (5 1/3 tbsps.)	1 gallon
0.025%	2/3 (4 tsps.)	1 quart
0.50%	5 1/2 (10 2/3 tbsps.)	1 gallon
0.50%	1 1/3 (8 tsps.)	1 quart

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution. One gallon of finished spray is sufficient to treat 1580 linear feet with a 6 inch spray band.

**PEST ON OUTSIDE SURFACES OF BUILDINGS:** Use this product to control ants, Asian lady beetle, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

#### HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FLYING MOTHS

**OUTDOORS:** For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary.

#### ANTS, DEER AND LONE STAR TICKS, CRICKETS, FLEAS, CICADAS (LOCUST), AND EARWIGS, OUTDOORS:

For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestations warrant and as reinfestations occur.

**WASPS, HORNETS, YELLOW JACKETS, BEES OUTDOORS:** Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

**TO CONTROL FIRE ANTS:** Dilute 2 tablespoons of this product in 1 gallon of water. Apply 1 gallon of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter. For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

120613

**SUBTERRANEAN TERMITES: DO NOT USE INSIDE DWELLINGS.** For use around existing structure, not for pre-construction use. For post-construction treatment around residential buildings. Mix **5 fl. oz. of Bonide Total Pest Control Concentrate per 1 gallon of water** (makes a 0.5% water emulsion). Apply as specified below. One treatment should last up to 5 years if treated soil is left undisturbed.

Kills and controls subterranean termites. Chemicals for soil treatment are used to establish a barrier against termites. The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the structure and the termite colonies in the soil. Barriers may be established in the soil on the outside perimeter of the house by trenching using a rate of 4 gallons of emulsion per 10 linear feet per foot of depth. A complete termite barrier may require treatment with another EPA registered product to the inside perimeter of the foundation and to other interior critical areas. For these situations, contact a licensed pest control operator for treatment. Do not use under slabs, in crawl spaces, or indoors. If termites are found within the house or structure, contact a licensed pest control operator for treatment.

Remove all wood debris and wood forms. Around piers, pipes, chimney bases and along foundations of poured concrete, dig a trench 6 inches wide and 4 inches deep. For brick and block foundations, dig the trench about 12 inches deep. If footing is more than 12 inches deep, make holes with a crowbar, pipe or a rod about 1 foot apart that extend from the trench bottom to the top of the footing. Make holes closer in hard-packed clay soils. **NEVER DIG BELOW THE TOP OF THE FOOTING.** Apply the prepared emulsion (or solution) in the trench and to the backfill soil at a rate of 4 gallons per 10 linear feet per foot of depth. Cover treated soil with a thin layer of untreated soil.

For raised porches, terraces and entrance slabs outdoors, drill holes at one foot intervals, 6 inches from the foundation, and pour one-half gallon of emulsion (or solution) into each hole. Refill holes.

Be sure to treat the interiors of accessible hollow block foundations at same rate as above. Do not use in structural voids insulated with rigid foam. Be careful to have adequate ventilation when treating areas under structure. For severe infestations or treatment under slabs with heat ducts or radiating heat pipes, in basements and buildings with insufficient crawl space, etc., contact a licensed pest control operator or termite control service.

**NOTE:** Avoid contamination of public and private water supplies by following these precautions. Do not allow a hose or any type of faucet extension to reach into the termite chemical solution while filling or mixing this material with water. Use anti-backflow or anti-siphonage equipment on all filling equipment. These devices can be purchased at hardware or plumbing supply stores. Use of anti-backflow equipment will help ensure that the user of this chemical will not contaminate domestic water supplies. Refer to FHA (Federal Housing Administration), state and local specifications for safe distances of treatment areas from wells. Do not treat structures that contain cisterns, wells, French drains, or sump systems. Soil in the vicinity of wells, cisterns or ponds should not be treated. For those situations, contact the local Cooperative Extension Service or consult a commercial pest control service. Do not treat soil that is water saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur.

130913

When to Reapply: Reapplication for subterranean termites should only be made when there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Reapplication should be made as a spot treatment to those areas. Annual reapplication of the entire premises must be avoided.

**CARPENTER ANTS & WOOD-INFESTING BEETLES:** For localized treatment in and around residential buildings. **Mix 5 fl. oz. of Bonide Total Pest Control Concentrate in 1 gallon of water** and apply as directed. Allow spray to dry before allowing people or pets to occupy treated areas.

Carpenter Ants: Adjust sprayer to deliver a coarse spray. Apply mixture around doors, windows and other points of entry. Spray into cracks and crevices where ants or their nests are suspected.

Wood-Infesting Beetles (Old House Borer and Powder Post): To protect wood and control damage by these wood-infesting insects, thoroughly apply mixture to wood using a coarse spray or using a paintbrush. Do not allow runoff to occur.

**STORAGE:** Do not store at temperatures below 40°F (4.5°C). Store product in original container in a locked storage area, inaccessible to children and pets. Store and transport in upright position.

**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.

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

To the extent consistent with applicable law, buyer assumes all risks for use of this product when not used according to label directions or established safe practice.

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

[Batch Code to be inserted at production]

©Bonide Products, Inc. All Rights Reserved

