

4-122

06-05-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Attn: Becky Horton  
Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

JUN - 5 2009

Subject: Agency March 25, 2009 Letter/Carbaryl Reregistration  
BONIDE<sup>®</sup> A Complete Fruit Tree Spray  
EPA Reg. No. 4-122  
Your Application Dated April 15, 2009

Dear Ms. Horton,

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy is enclosed for your records. Within 45 days from the date of this letter, two copies of a final printed label must be submitted. You may distribute products bearing the old label for 12 months from receipt of this letter or until the next printing of the label, whichever comes first.

Your Confidential Statement of Formula (CSF) dated October 8, 2001 is acceptable. This CSF supercedes all previous CSFs.

Approval of this label does not constitute approval of your application for reregistration of this product. Product reregistration is currently pending for the other active ingredients in your formulation, Therefore, future labeling changes and/or additional data may be required.

If you have questions, email Joanne Edwards at [edwards.joanne@epa.gov](mailto:edwards.joanne@epa.gov) or by telephone at (703) 305-6736.

Sincerely yours,

*Meredith Laws*  
Meredith Laws, Branch Chief  
Insecticide-Rodenticide Branch  
Registration Division (7504P)

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**ACCEPTED**  
JUN - 5 2009  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
Registered under  
EPA Reg. No. 4-122



## A COMPLETE FRUIT TREE SPRAY

[Additional Brand Names: Bonide Rose Spray II; Bonide Insecticide Miticide Fungicide; Bonide Complete Rose Spray II; Bonide Rose Rx Insect & Disease Control]

### Optional Marketing Statements:

- This one spray will protect listed fruit and strawberries and roses, ornamental evergreens and flowers from both listed insects and listed diseases.
- Makes up to 21 gallons (for pint container; quantity to be adjusted appropriately for different size containers).
- Concentrate
- Controls both listed insects and listed diseases on... Fruit Trees, Flowers, Ornamental Evergreens, Strawberries.

Leaf hopper

Leaf Spot

Codling Moth

- Spray for control of listed insects, disease and mites on roses, flowers and ornamentals.

**Controls:** Listed insects including Japanese beetles, mites, flea beetles, aphids and listed diseases including black spot, downy mildew, brown rot, coryneum blight...**USE** to protect apples, cherries, grapes, strawberries, peaches, roses, ornamental evergreens, and flowers. MIX 1½ to 2½ Tbs. per gallon of water as directed in the directions for use. Easy to use; mixes with water instantly, no pre-mixing. **Read and use according to label directions.** Apply using a hose end or tank sprayer.

### **Active Ingredients:**

Captan (CAS No. 133-06-2) .....	11.76%
Related Derivatives .....	0.24%
Malathion (CAS No. 121-75-5) .....	6.00%
Carbaryl (CAS No. 63-25-2) .....	0.30%
<b>*Other Ingredients:</b> .....	81.70%
<b>Total:</b> .....	100.00%

\*Contains Petroleum Distillate.

**KEEP OUT OF REACH OF CHILDREN**

## **WARNING**

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

NET CONTENTS \_\_\_\_ FL.OZ. ( \_\_\_\_ mL)

## DIRECTIONS FOR USE

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

**BONIDE A COMPLETE FRUIT TREE SPRAY** is a complete concentrate containing insecticide, fungicide, aphicide, miticide, scabicide and spreader-sticker. Easy to use; mixes with water instantly; no plugged nozzles; no messy powders to handle, measure or mix; no pre-mixing or straining necessary. Intended for homeowner use to protect apples, cherries, grapes, peaches, strawberries, roses, ornamental evergreens and flowers from the ravages of insects and diseases listed.

**SHAKE PRODUCT THOROUGHLY BEFORE USE.** Contains micronized particles which settle upon standing and require reblending by agitation. Choose a cool, calm period, preferable early morning or evening, when trees will not be subjected to hot direct rays of the sun. Do not apply if rain is expected before leaf surfaces dry. It is easier to prevent disease and scale damage than to cure same, therefore, a preventative spray schedule (see Table) is recommended. When insects or active disease spores are present (warm humid days), use higher application rate (see Table). Apply spray to leaves, fruit branches, trunk and base of tree until lightly dripping. Shake sprayer occasionally or agitate to keep spray particles in suspension during application. Carefully read and follow the spray schedule in Table.

### Use Restrictions

- Not for use on plants being grown for sale or commercial use, or for commercial seed production, or for research purposes.
- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.
- This product may be applied only by hand-held garden sprayers or hose-end sprayers.
- Do not allow people or pets to enter the treated area until sprays have dried.
- Apply when air is calm (not more than 10 mph) adjusting sprayer nozzle for largest droplet size.
- Do not spray when temperature is greater than 85° F.
- Do not use on large trees. Do not use where foliage to be treated extends beyond spray coverage of application equipment.

**Specific Directions for use:** Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than indicated.

### APPLES

**Insects/Diseases:** Apple maggots, codling moths, Japanese beetles, leaf hoppers, plum curculios, aphids, bud moth, Forbes scale, eastern tent caterpillar, red banded leaf roller, mites, bitter rot, black rot, frog-eye, leaf spot, Botryosphaeria (white rot), botrytis rot, bullseye rot, Brooks fruit spot, flyspeck, cedar rust, quince rust, scab, sooty blotch.

**CHERRIES**

**Insects/Diseases:** Plum curculios, cherry fruit flies, cherry fruit worms, black cherry aphid, fruit tree leaf roller, bud moth, Japanese beetle, Botrytis rot, brown rot blossom blight and fruit rot, cherry leaf spot.

**GRAPES**

**Insects/Diseases:** Flea beetles, Japanese beetles, grape leaf skeletonizers, rose chafers, grape berry moth, spider mites, mealybugs, leafhoppers, black rot, downy mildew (berries only), botrytis rot.

**PEACHES**

**Insects/Diseases:** Plum curculios, Japanese beetle, spider mite, oriental fruit moth; green, peach, black cherry, black peach, rusty plum aphids; brown rot (fruit), rhizopus, scab, brown rot (blossom blight), coryneum blight.

**FRUIT TREE STAGES**

**Dormant:** Absence of growth fall, winter or spring.

**Green Tip Stage:** When branch tips show green tissue.

**Pre Bloom Stage:** When blossom buds show full color before opening.

**Bloom:** When blossoms are open. Do not apply to plants in bloom.

**Petal Fall Stage:** When last petals have fallen from blossoms.

**1<sup>st</sup> Cover:** 7-10 days after petal fall.

**2<sup>nd</sup> Cover to Harvest:** To cut-off date before harvest.

All rates in chart below are given Tablespoons per gallon. Shake well before using.

**SPRAY CHART**

<b>Fruit</b>	<b>Green Tip</b>	<b>Pre Bloom</b>	<b>Full Pink</b>	<b>Petal Fall</b>	<b>1<sup>st</sup> Cover</b>	<b>2<sup>nd</sup> Cover</b>
Apple	1½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.
	Do not exceed 8 applications per year. Do not apply within 14 days of harvest. Minimum retreatment interval 7 days.					
Cherry	1½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.
	Do not exceed 7 applications per year. Do not apply within 14 days of harvest. Minimum retreatment interval 7 days.					
Grape	1½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.
	Do not use more than 2 qts. of spray suspension per 100 sq. ft. of grapevine. Do not exceed 7 applications per year. Do not apply within 7 days of harvest. Minimum retreatment interval 7 days. Not for use in California.					
Peach	1½ Tbs.	1½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.	2½ Tbs.
	Do not exceed 8 applications per year. Do not apply within 21 days of harvest. Minimum retreatment interval 7 days.					

**STRAWBERRIES**

**Insects/Disease:** Strawberry weevils, aphids, spider mites, lygus bugs, flea beetles, omnivorous leafhopper, spittle bugs, Japanese beetles, field crickets, Botrytis rot (gray mold), leaf spots. Use 2½ teaspoons concentrate per gal. of water. Do not use more than 3 qts. of spray suspension per 100 sq. ft. of strawberries (broadcast spray) or per 100 linear feet of band or row 1 ft. wide (banded or directed) spray per single application. Make no more than 5 foliar applications per growing season. Do not apply within 14 days of harvest. Minimum retreatment interval 7 days. Not for use in California.

**ROSES, ORNAMENTAL EVERGREENS AND FLOWERS**

Mix 1½ Tablespoons per gallon of water.

**Insects:** Aphids, apple maggot, bagworm, black cutworm, bud moth, cherry fruit fly and worm, codling moth, plum curculios, flea beetles, fruit tree leaf roller, gypsy moth, Japanese beetle, leaf hoppers, lesser peach tree borer, mealybug, mites (clover, European red, two-spotted and Wilmette), oriental fruit moth, pear slugs, psylla, red banded leaf roller, scale (Forbes, Putman, San Jose), spittle bug, tent caterpillars, unspotted tentiform leaf miner, and yellow neck caterpillar.

**Diseases:** CARNATION (Rust, Alternaria Leaf Spot), CHRYSANTHEMUMS (Botrytis Flower Blight, ROSE (Black Spot) - Apply at first sign of disease. Repeat at 7 to 10 day intervals. Use the shorter interval under conditions favorable to infection.

Begin applications when pests or disease symptoms first appear or conditions favor their development and repeat at weekly intervals or as necessary to maintain control. Remember, it is easier to prevent damage than to cure it. Therefore, a preventative spray schedule is recommended, starting at early signs of plant growth. Do not use if rain is expected shortly after application. Select still periods for application (early morning or evening). Do not exceed 6 applications per year on flowers and roses. Do not exceed 4 applications per year on ornamental evergreens.

2 tablespoons = 1 fluid ounce = 1/128 gallon.

**STORAGE AND DISPOSAL**

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

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

**Container Disposal:** *If empty*—Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

<b>FIRST AID</b>	
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 in eyes</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing</b>	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.
<b>If swallowed</b>	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. 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.
<b>If inhaled</b>	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.
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. Contains petroleum distillate. This product may cause cholinesterase inhibition. Atropine is antidotal.	

### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS & DOMESTIC ANIMALS—WARNING**

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Wear coveralls over short sleeved shirt and short pants, socks, chemical resistant footwear, protective eyewear (goggles, face shield, safety glasses), and chemical resistant gloves (barrier laminate or viton, selection category G).

#### **USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide soaks clothing. Change clothing as soon as possible after use.
- Wash the outside of gloves before removing.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic invertebrates. 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.

**BEE CAUTION: MAY KILL HONEYBEES AND OTHER BEES.** This product is highly toxic to honeybees and other bees. Do not apply to plants in bloom.

**PHYSICAL AND CHEMICAL HAZARDS**

Extremely flammable. Keep away from fire, sparks and heated surfaces.

**DISCLAIMER:** To the extent consistent with applicable law, buyer assumes all risks or use, storage or handling not in strict accordance with directions given herewith.

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

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

[Lot No. added at production]