

4-122 10/2/2012 1/7

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



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Becky Horton  
Bonide Products, Inc  
P O Box 1019  
Salen, VA 24153

OCT 02 2012

Subject        Submission of amended labeling per May 2009 Malathion RED Label Table  
EPA Reg No 4-122  
Decision # 416276

Dear Ms Horton

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable under FIFRA § 3(c)(5) provided that you submit two copies of your final printed label before you release the product for shipment. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e).

The Basic Confidential Statement of Formula (CSF) dated 10/15/09 is acceptable. The Alternate Confidential Statements of Formula #s 1, 2, and 3 are acceptable. All other CSF's have been superseded by these CSFs. These have been added to your record.

Your product has met and complied with the risk mitigation provisions of the Malathion RED and therefore your product is reregistered pursuant to FIFRA § 4(g)(2)(C). But note, EPA is currently reassessing the cumulative impacts of organophosphates and that review may impact your product once complete.

A stamped copy is enclosed for your records. If you have any questions, please contact Dr. Jennifer Urbanski at 703-347-0156 or [urbanski.jennifer@epa.gov](mailto:urbanski.jennifer@epa.gov).

Regards,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

ACCEPTED

OCT 02 2012

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 Insect & Disease Control]

[Product must be in child resistant packaging (does not print on packaging label)]

### 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 [0.75 to 1.25 fl oz] 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%

**\*Other Ingredients** 81.70%

**Total** 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)

<b>FIRST AID</b> <i>contains an organophosphate</i>	
<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 in eyes</b>	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
<b>If swallowed</b>	Immediately call a poison control center or doctor Do not induce vomiting unless told to do so by a poison control center or doctor Do not give any liquid to the person 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 ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible Call a poison control center or doctor for further treatment advice
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>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage May pose 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 Harmful if inhaled Do not get in eyes, on skin or on clothing Avoid breathing spray mist or vapor 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/PPE 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** This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

**Physical and Chemical Hazards**

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

**DIRECTIONS FOR USE**

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

Not for use on plants being grown for sale or commercial use, or for commercial seed production, or for research purposes. Use on listed fruits and vegetables is limited to home gardens.

**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.

**Use Restrictions**

- For outdoor use only
- **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.
- Do not apply if rain is expected before leaf surfaces dry.

- Do not use food utensils such as teaspoons or tablespoons for food purposes after use with pesticides

**SHAKE PRODUCT THOROUGHLY BEFORE USE** Contains micronic 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. 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 specified 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. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Carefully read and follow the spray schedule in Table.

### **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

Fruit	Green Tip	Pre Bloom	Full Pink	Petal Fall	1 <sup>st</sup> Cover	2 <sup>nd</sup> Cover
Apple	1½ Tbs	2½ Tbs	2½ Tbs	2½ Tbs	2½ Tbs	2½ Tbs
	Do not exceed 2 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 4 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 2 applications per year Do not apply within 7 days of harvest Minimum retreatment interval 14 days Not for use in California					
Peach	1½ Tbs	1½ Tbs	2½ Tbs	2½ Tbs	2½ Tbs	2½ Tbs
	Do not exceed 3 applications per year Do not apply within 21 days of harvest Minimum retreatment interval 11 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 4 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 =  $\frac{1}{128}$  gallon**

[2½ Tbs = 1 25 fl oz , 1½ Tbs = 0 75 fl oz , 2½ teaspoons = 0 42 fl oz ]

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal

**Pesticide Storage** This product should be stored in the original unopened container in a secure, dry place Do not contaminate with other pesticides or fertilizers The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F) 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

**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**

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Oriskany, NY 13424

[Lot No added at production]