

4-80

3/17/2010

1/12



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

S868054
332/1300

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MAR 17 2010

Ms. Nicole Russell
Pesticide Compliance Specialist
Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

Subject: BONIDE® HORTICULTURAL AND DORMANT SPRAY OIL
EPA Reg. No. 4-80
Notification Application Dated February 15, 2010

Dear Ms. Russell:

The Agency has received your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2008-1 dated February 15, 2010, for the product Bonide® Horticultural and Dormant Spray Oil, EPA Reg. No. 4-80. The Registration Division (RD) has reviewed this request for its applicability under PRN 2008-1 and finds that the action requested falls within the scopes of that PRN. The label submitted with the application has been stamped "Notification" and will be placed in our records.

The labeling pending for reregistration of this product currently is under review. Some changes to this product's labeling will be prescribed as a result of that review.

If you have any questions, you may call me directly at 703-305-6406.

Sincerely,

William W. Jacobs
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

2/17



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 4-80	2. EPA Product Manager John Hebert	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bonide Horticultural & Dormant Spray Oil	PM# 4B	
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)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION MAR 17 2010
<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 Environmental Hazards section per PR Notice 2008-1. 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 type="checkbox"/> Yes <input checked="" 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 PT;QT;1/2;2 1/2;5/30/55 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 Paper glued 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) 045-736-8231 ext 230
<p align="center">Certification</p> <p>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.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Pesticide Compliance Specialist	
4. Typed Name Nicole Russell	5. Date 2/15/10	

4
12

Bonide Products, Inc.

6301 Sutliff Rd.
Oriskany, NY 13424

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

February 15, 2010

FedEx: 8685 1623 9967

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 Horticultural and Dormant Spray Oil
EPA Reg. No. 4-80
Notification – Updated the Environmental Hazards section per PR Notice 2008-1.

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.

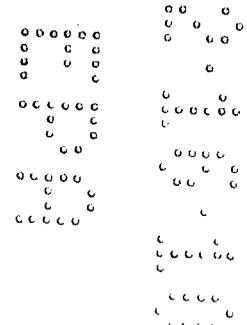
This notification is consistent with the guidance in PR Notice 2008-1 and the requirements of EPA's regulations at 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. Bonide Products, Inc. understands 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



[FRONT PANEL]



5/12

BONIDE® HORTICULTURAL AND DORMANT SPRAY OIL

NOTIFICATION

MAR 17 2010

For Residential Use Only [when packaged in containers less than 2.5 gal.]

[Additional Brand Name: All Seasons® Horticultural and Dormant Spray Oil Ready to Spray; Bonide All Seasons® Horticultural & Dormant Spray Oil; Bonide All Seasons® Commercial Horticultural & Dormant Spray Oil; All Seasons® Commercial Horticultural & Dormant Spray Oil]

Optional Marketing Statements:

Kills insects by smothering.

For use on fruit trees, shade trees, evergreens, ornamentals, flowers, houseplants.

Use year-round.

For use on Fruit Trees, Shade Trees, Roses, Ornamental Shrubs and Certain Vegetables

Dormant and Growing Season Insect Spray

CONTROLS Scale Insects, Mealybugs, Apple Aphids, European Red Spider Mites, Leafminers, Leaf rollers [redbanded, obliquebanded, fruittree], Light Brown Apple Moth and other listed insects... USE on pears, cherries, peaches, asparagus, corn, peppers, roses, houseplants and home greenhouses.

This product is intended for small garden use only.

Use on listed fruits, vegetables, shade trees, evergreens, ornamentals flowers and houseplants

Kills troublesome insects such as scale, fungus gnats, aphids, whiteflies, mites, thrips, mealybutts and Leafminers

Kills all stages of insects including eggs

ACTIVE INGREDIENT:

Petroleum Oil..... 98%

OTHER INGREDIENTS:..... 2%

TOTAL..... 100%

(Superior type U.R. Min 92%)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side/back/other panel(s) for additional precautionary statements and First Aid.

NET CONTENTS: _____

FIRST AID	
<p>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.</p>	
If Swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Do not give any liquid to a 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.
If Inhaled:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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 in Eyes:	<ul style="list-style-type: none"> • 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.
<p>Note to Physician: Contains petroleum – vomiting may cause aspiration pneumonia.</p>	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. In case of contact, wash immediately with soap and warm water. Wash hands, arms, and face thoroughly with soap and warm water after handling. Wash all contaminated clothing with soap and hot water before re-use.

[WPS text required when packaged in 2½, 5, 30 or 55 gallon containers.]

<p>AGRICULTURAL USE REQUIREMENTS:</p> <p>Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements of training, decontaminating, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about person protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.</p> <p>PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls, waterproof gloves, and shoes plus socks.</p>
--

7
12

ENVIRONMENTAL HAZARDS

This product is 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 the label.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

[Residential Use – when packaged in containers less than 2.5 gal.]

Pesticide Storage: Store and transport in an upright position. Keep container tightly closed to prevent evaporation. Do not use, pour, spill or store near heat or open flame. Store in a cool dry area 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* – Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

[Commercial Use – when packaged in 2.5 gal. containers or larger]

Pesticide Storage: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

[For containers \leq 5 gallons]:

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[For containers $>$ 5 gallons]:

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTE: DO NOT APPLY HORTICULTURAL SPRAY OIL WITH SULFUR SPRAYS OR WHERE SULFUR IS ON THE FOLIAGE. TO DO SO MAY CAUSE FOLIAGE INJURY, LEAF DROP. DO NOT APPLY HORTICULTURAL SPRAY OIL AT ABNORMAL TEMPERATURES (ABOVE 90°F) OR WHEN PLANTS ARE DRY (SUFFERING FOR WANT OF MOISTURE) AS IT MAY CAUSE LEAF DROP DUE TO "SHOCK."

SEE ATTACHED BOOKLET FOR COMPLETE USE DIRECTIONS.

Mixture ratios vary. Read and use according to application directions. Apply using a good pressure spray hose-end or watering can.

HORTICULTURAL SPRAY OIL is a self-emulsifying spray oil, composed of superior highly paraffinic oil with emulsifier and spreader sticker, which envelop, wet and smother over wintering eggs of European red spider mites, Adelgids, scale insects, apple aphids (except rosy aphids), bud moth, leaf roller [redbanded, obliquebanded, fruittree], light brown apple moth, red bug, codling moth larvae, psylla (adults), blister mites, galls, whitefly larvae and mealybugs on fruit trees, shade trees, vegetables, ornamentals, shrubs and roses.

HORTICULTURAL SPRAY OIL is a high quality, pleasant to use spray oil, that will not harm clothing.

HORTICULTURAL SPRAY OIL may be used at the DORMANT STAGE (before buds show green tissue), GREEN TIP STAGE (when leaves of blossom buds are bursting and show about 1/8 to 1/4 inch of green color), DELAYED DORMANT STAGE (when the leaves of the blossom buds are out from 1/4 to 1/2 inch), and during the GROWING SEASON.

(WHEN PACKAGED IN READY-TO-SPRAY CONTAINER)

HOW TO USE

Make sure water control knob on hose sprayer is in the "OFF" position. Hold by handle and shake vigorously, turning bottle as you shake. Attach hose to spray nozzle. Bend safety tab back and break off. Turn control to "WATER" position. Slowly turn on water supply to moderate rate of flow. Point nozzle toward spray area, turn control knob to "ON." Product will automatically mix with the water. Slowly sweep the area to be treated. To stop spraying, turn control valve to the "OFF" position. Turn off water at faucet. To relieve pressure, turn control valve to the "WATER" position pointing sprayer away from self. Remove from hose.

12/a

(WHEN PACKAGED IN MIX & APPLY CONTAINER)

Amt. Dormant Spray Oil		Amt. Water	=	Actual Oil	Amt. Dormant Spray Oil Small Quantities
2 Qts.	+	25 Gals.	=	2%	5 Tbs. with 1 gal. of water
3 Qts.	+	25 Gals.	=	3%	7½ Tbs. with 1 gal. of water
1 Gal.	+	25 Gals.	=	4%	5 fl. oz. with 1 gal. of water
1½ Gals.	+	25 Gals.	=	6%	7 fl. oz. with 1 gal. of water
1¾ Gals.	+	25 Gals.	=	7%	8 fl. oz. with 1 gal. of water

DILUTION TABLE – 2 Tablespoons = 1 fluid ounce

Consult your experiment station for proper timing and choice of fungicide to use with HORTICULTURAL SPRAY OIL.

Use Bonide's Liquid Fruit Tree Spray for home orchard care. Multi-purpose, pre-blended insecticide-fungicide liquid.

SHAKE WELL. Then add HORTICULTURAL SPRAY OIL to desired amount of water and mix thoroughly, use a good pressure spray and apply enough liquid per tree to wet entire surface of branches, main limbs and trunk. Give special attention to underside of limbs. Make application when the temperature is above 40°F.

APPLES: GREEN TIP THROUGH THE DELAYED DORMANT STAGES – For scale insects, red bugs, European red mite, bud moth, leaf roller [redbanded, obliquebanded, fruittree], light brown apple moth, apple aphids (except rosy aphids). Use 2% actual oil solution for mites, San Jose scale – Use 3% actual oil solution for scurfy scale, leaf roller [redbanded, obliquebanded, fruittree], light brown apple moth, bud moth, red bug, codling moth larvae. **DORMANT STAGE** of bud development for all above mentioned insects, use 4% actual oil.

PEARS: DORMANT STAGE – For scale insects, blister mite, leaf roller [redbanded, obliquebanded, fruittree], light brown apple moth, psylla (adults) – Use 3% actual oil solution, apply spray on the 3rd or 4th sunny warm day in early spring before buds break and when psylla flies are swarming on the spurs.

PLUMS, PRUNES: DELAYED DORMANT – For European red mites, scale insects – Use 2% actual oil solution for red mites and San Jose scale. – Use 3% to 4% actual oil solution for scurfy scale.

PEACHES: DELAYED DORMANT – For European red mites, scale insects. – Use 3% to 4% actual oil solution.

CHERRIES (Sour): DORMANT STAGE – For European red mites, scale insects. – Use 3% to 4% actual oil solution.

GRAPES: DORMANT STAGE – For grape plume moth, scale insects. – Use 3% actual oil solution, apply before buds begin to swell.

10
12

SHADE TREES, ORNAMENTALS, ROSES: GREEN TIP THROUGH THE DELAYED DORMANT STAGES – For scale insects, certain aphids, gall, whitefly larvae, light brown apple moth, mealybugs, Adelgids. – Use 3% actual oil solution. – For scurfy scale, use 4% actual oil solution. – For terrapin scale, use 6% to 7% actual oil solution.

GROWING SEASON – To control Scale Insects, Red Spider Mites, light brown apple moth, Mealybugs and Whitefly Larvae on Citrus (Oranges, Lemons, Grapefruit, Tangerines, Limes), Fruit Trees (Apples, Plums, Pears, Apricots, Peaches, Pecans, Cherries), Shade Trees, Evergreens, Camellias, Azaleas, Hardy Shrubs: 5 Tablespoonfuls (2½ fl. oz.) per gal. water. This application is also effective in the removal of sooty mold fungus through the control of Whitefly Larvae.

HOUSEPLANTS

Plant	Pest	Application Rate Tablespoons per 1 Gallon Water	Comments*
Chrysanthemum, Dieffenbachia, Dracaena, Ferns, Gardenias, Jade Plant, Palms, Philodendron, Schefflera	Aphids, Leafminers, Mealybugs, Scales, Spider Mites, Whitefly*	2.5 – 5.0	Do not apply to plants in direct sunlight behind glass. Do not use on Coconut Palms or Maidenhair Ferns. Chrysanthemum blooms have shown phytotoxic symptoms at the higher rate.

**Horticultural and Dormant Spray Oil is most effective on Whitefly during immature stages.*

Protect floor, floor coverings and furnishings from overspray.

CAUTION: Do not exceed 3 consecutive applications without allowing a two week application interval.

11
12

HOME GREENHOUSE

Plant	Pest	Application Rate Tablespoons per 1 Gallon Water	Specific Comments
Azaleas, Begonias, Camellias, Chrysanthemums, Easter Lilies, Ferns, Gardenias, Geranium, Hibiscus Foliage, Jade Plant, New Guinea Impatiens, Palms, Philodendron, Portulaca, Reigor Begonias, Zinnias	Aphids, Fungus Gnat, Leafminers, Mealybugs, Scales (soft & hard), Spider Mites, Whitefly*	2.5 – 5.0	Do not use on Coconut Palms or Maidenhair Ferns. The blooms of Chrysanthemum and Geranium have shown Phytotoxic symptoms at the 5 tablespoon rate. <i>Frequency of Application:</i> <i>For the greenhouse pests listed, use once a week initially, then as the pest is controlled, decrease the frequency to every 2-3 weeks as needed.</i>
Dieffenbachia, Poinsettias		2.5	Do not use on Poinsettia bracts.
Leaf Polish for Hardy Plants		2.5	

**Horticultural and Dormant Spray Oil is most effective on Whitefly during immature stages.*

FOR HOUSEPLANTS AND HOME GREENHOUSES

- Do not exceed the maximum rates or apply more often than recommended.
- Certain plant species may be sensitive to oil. A small number of plants should be test sprayed prior to general spraying.
- Use caution on open blooms – bleaching and spotting have been observed on the open bloom of certain plants.

FRUITS

Crop (Site)	Pest	Application Rate Tablespoons per 1 Gallon Water	Time of Application
Blueberry	Thrips	5.0	Foliage
	Mites Sawfly (eggs) Scales	7.5 (3% actual oil solution)	Dormant
Strawberry	Aphids Mites	2.5 (1% actual oil solution)	Dormant (and Foliage)
Grape	Mealybugs	10-15 in 2-3 gal. (2%-3% actual oil solution)	Dormant – A tank mix with an insecticide improves control.

12
12

VEGETABLES

Crop (Site)	Pest	Application Rate Tablespoons per 1 Gallon Water	Time of Application
Asparagus, Beans, Beets, Corn, Pepper, Radish, Squash, Tomato	Aphids, Mites, Beetle Larvae, Leafminers, Thrips, Leafhopper, Whitefly	2.5 – 5.0 (1%-2% actual oil solution)	As needed

CAUTION! Do not spray again with oil for at least a month. Do not spray drought injured or winter burned plants. Do not apply oil sprays within 30 days of sulfur applications. Injury may result if oil sprays are used on ferns, palms, hibiscus, certain conifers including blue spruce, white pine, arborvitae and junipers, and certain deciduous trees such as Japanese maple, beech, hickory, walnut and butternut.

To determine actual oil percentage, consult dilution table.

When used in knapsack or small sprayer, shake occasionally to keep solution agitated.

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

Buyer's Guarantee Limited to Label Claims

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

[batch code inserted at production]

©Bonide Products, Inc. All Rights Reserved