



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 4-80	2. EPA Product Manager Dennis H. Edward Jr.	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bonide Horticultural + Dormant Spray Oil	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Bonide Products, Inc. 6301 Sutcliffe Rd. Oriskany, NY 13424 <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: 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 APR 11 2002
<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: To clarify Hose-end sprayer instructions**

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 sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:						2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted							
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>			
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph 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 Cheryl H. Schultz	Title Registration Manager	Telephone No. (Include Area Code) 315-736-8231
2. Signature Cheryl H. Schultz		6. Date Application Received (Stamped)
3. Title Registration Manager		
4. Typed Name Cheryl H. Schultz		
5. Date 3/29/02		

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.

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NOTIFICATION

APR 11 2002

FRONT PANEL LABEL

BONIDE
ALL SEASONS
HORTICULTURAL
and
DORMANT SPRAY OIL

For Deciduous Fruit, Shade Trees, Roses, Ornamental Shrubs
and Certain Vegetables

SUPERIOR TYPE
(Contains Sunspray[®])

EPA Est. 4-NY-1

EPA Reg. No. 4-80

ACTIVE INGREDIENT: (Superior type U.R. Min 92%)	
Petroleum Oil	98% Wt.
INERT INGREDIENTS:	2% Wt.

CAUTION

KEEP OUT OF REACH OF CHILDREN

(See Back Panel for Additional Precautionary Statements)

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 24 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
4-80

NET CONTENTS: 1 Qt. (32 Fl. Oz.)
 1 Gal. (128 Fl. Oz.)

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

CAUTION — May be 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 before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use. Should poisoning occur, get medical aid. If swallowed do not induce vomiting. Call a physician immediately.

STATEMENT OF PRACTICAL TREATMENT — If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard. If On Skin: Wash with soap and water. If In Eyes: Flush with plenty of water. If Inhaled: Remove person to fresh air.

ENVIRONMENTAL HAZARDS — This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. 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 — **Storage:** Keep container tightly closed to prevent evaporation. Do not store near or contaminate feed or foodstuffs. Do not use, pour, spill or store near heat or open flame. Store in a cool, dry area inaccessible to children and pets. **Disposal:** Do not reuse empty container. Wrap container and put in trash collection. **Pesticide Disposal:** Securely wrap original container in several layers of paper and discard in trash.

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

SEE HANG TAG
FOR COMPLETE
USE DIRECTIONS } → X

Buyer's Guarantee Limited
to Label Claims

Manufactured by

BONIDE PRODUCTS, INC.
YORKVILLE, NY 13495

4/8

Dormant and Growing Insect Spray

BONIDE[®]

HANGTAG

**HORTICULTURAL
and Dormant
SPRAY OIL**

FOR DECIDUOUS FRUIT, SHADE TREES,
ROSES, ORNAMENTAL SHRUBS,
AND CERTAIN VEGETABLES
SUPERIOR-TYPE (Contains-Sunspray):

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

CAUTION— May be 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 before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use. Should poisoning occur, get medical aid. If swallowed do not induce vomiting. Call a physician immediately.

STATEMENT OF PRACTICAL TREATMENT
— If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard. If On Skin: Wash with soap and water. If In Eyes: Flush

with plenty of water. If inhaled: Remove person to fresh air.

ENVIRONMENTAL HAZARDS— This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. 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.

Note: This product is intended for small garden use only.

STORAGE AND DISPOSAL— **Storage:** Keep container tightly closed to prevent evaporation. Do not store near or contaminate feed or foodstuffs. Do not use, pour, spill or store near heat or open flame. Store in a cool, dry area inaccessible to children and pets. **Disposal:** Do not reuse empty container. Wrap container and put in trash collection. **Pesticide Disposal:** Securely wrap original container in several layers of paper and discard in trash.

NOTE: DO NOT APPLY HORTICULTURAL SPRAY OIL WITH SULPHUR SPRAYS OR WHERE SULPHUR 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."

HORTICULTURAL SPRAY OIL is a self-emulsifying spray oil, composed of superior highly paraffinic oil, with emulsifier, spreader, sticker, which envelop, wet and smother, overwintering eggs of European red spiders, scale insects, apple aphids (except rosy aphids), bud moth, leaf roller, red bug, codling moth larvae, psylla (adults), blister mites, galls, white fly larvae, mealy bugs, on fruit trees, shade trees, vegetables, ornamentals, shrubs and roses.

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

NOW 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.

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 1/4 to 1/2 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.

Amt. Dormant Spray Oil	Amt. Water	Actual Oil	Amt. Dormant Spray Oil Small Quantities
2 Ots.	+ 25 Gals.	= 2%	5 lbs with 1 gal. of water
3 Ots.	+ 25 Gals.	= 3%	7 1/2 lbs with 1 gal. of water
1 Gal.	+ 25 Gals.	= 4%	5 Oz. with 1 gal. of water
1 1/2 Gals.	+ 25 Gals.	= 6%	7 Oz. with 1 gal. of water
1 3/4 Gals.	+ 25 Gals.	= 7%	8 Oz. with 1 gal. of water

DILUTION TABLE - 2 Tablespoons = 1 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, 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, 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, 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.

SHADE TREES, ORNAMENTALS, ROSES: GREEN TIP THROUGH THE DELAYED DORMANT STAGES: — For scale insects, certain aphids, gall, white fly larvae, mealy bugs, 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, 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 (2 1/2 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 Draçaena 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.

ALL SEASONS *Best* *1:1:1* *1:2:1* *1:3:1* most effective on Whitefly during immature stages.

Spray Oil

Protect floor, floor coverings and furnishings from overspray.

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

HOME GREENHOUSE

PLANT	PEST	APPLICATION RATE Tablespoons per 1 Gallon Water	SPECIFIC COMMENTS
Azaleas Begonias Camellias Chrysanthemum Easter Lilies Ferns Gardenias Geranium Hibiscus Foliage Jade plant New Guinea Impatiens Palms Philodendron Portulaca Rieger Begonias Zinnias	Aphids Fungus Gnats Mealybugs 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	

ALL SEASONS *Best* *1:1:1* *1:2:1* *1:3:1* is most effective on Whitefly during immature stages.
SPRAY OIL

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.

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FRUITS

CROP	PEST	APPLICATION RATE		TIME OF APPLICATION
		Tablespoons	per 1 Gal. Water	
Blueberry	Thrips	5.0		Foliage
	Mites	5.0		Foliage
	Sawfly (eggs)	5.0		
	Scales	7.5		Dormant
Strawberry	Aphids	2.5		Dormant and (Foliage)
	Mites	2.5		Dormant and (Foliage)
Grape	Mealybugs	10-15 in 2-3 gal.		Dormant-A tank mix with an insecticide improves control.

VEGETABLES

CROP	PEST	APPLICATION RATE		TIME OF APPLICATION
		Tablespoons	per 1 Gal. Water	
Asparagus	Aphids	2.5-5.0		As needed
Beans	Mites			
Beets	Beetle Larvae			
Corn	Leafminers			
Cucurbits				
Pepper	Thrips			
Radish	Leafhopper			
Squash	Whitefly			
Tomato				

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 sulphur 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.

Buyer's Guarantee Limited to Label Claims

Manufactured by

**BONIDE PRODUCTS, INC.
YORKVILLE, NY 13495**

EPA Est. 4-NY 1 EPA Reg. No. 1
ACTIVE INGREDIENT
Petroleum Oil..... 50%
(Superior type U.R. Min. 92%)
INERT INGREDIENTS 2%
*Registered TM of Sun Refining and Marketing

CAUTION
KEEP OUT OF REACH OF CHILDREN
See Back Panel for
Additional Precautionary Statements