

MAR - 4 1994

Mr. James J. Wurz
Bonide Products, Incorporated
2 Wurz Avenue
Yorkville, New York 13495

Subject: Revised Labeling--Addition of Sites (Crops)
Bonide Horticultural and Dormant Spray Oil
EPA Registration Number 4-80
Your Amendment Application Dated December 20, 1993

Dear Mr. Wurz:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

FRONT PANEL LABEL

BONIDE

HORTICULTURAL and DORMANT SPRAY OIL

ACCEPTED with COMMENTS in EPA Letter Dated

MAR - 4 1994

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

4-80

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

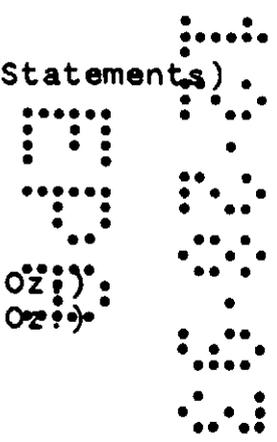
ACTIVE INGREDIENT: (Superior type U.R. Min 92%) Petroleum Oil 98% Wt. INERT INGREDIENTS: 2% Wt.

CAUTION

KEEP OUT OF REACH OF CHILDREN

(See Back Panel for Additional Precautionary Statements)

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



LABEL

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 ABNORMAL TEMPERATURES (ABOVE 90°F) OR WHEN PLANTS ARE DRY (SUFFERING FOR WANT OF MOISTURE) AS IT MAY CAUSE LEAF DROP DUE TO "SHOCK."

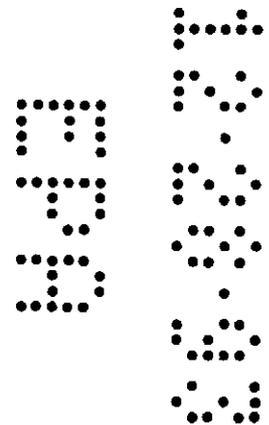
Buyer's Guarantee Limited to Label Claims

Manufactured by

BONIDE PRODUCTS, INC.
YORKVILLE, NY 13495

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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.

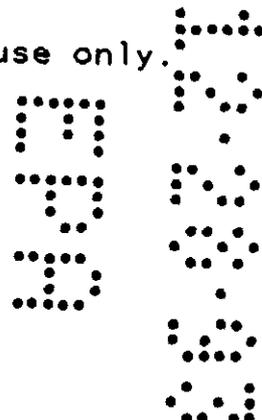
ENVIRONMENTAL HAZARDS— This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on the label.

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

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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, over wintering eggs of European red spiders, *Adeigids*, 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.

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**.

Amt. Dormant Spray Oil	Amt. Water	Actual Oil	Amt. Dormant Spray Oil Small Quantities
2 Qts.	25 Gals.	2%	5 lbs with 1 gal of water
3 Qts.	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

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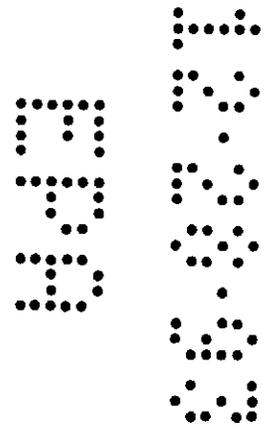
DILUTION TABLE - 2 Tablespoons = 1 ounce

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.

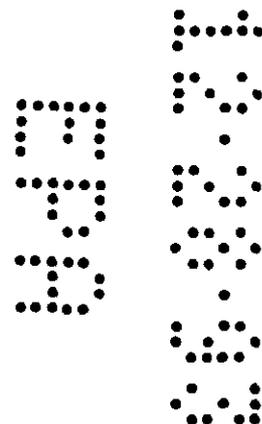
CHERRIES (Sour): DORMANT STAGE: — For European red mites, scale insects. — Use 3% to 4% actual oil solution.

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 (2½ oz.) per gal. water. This application is also effective in the removal of sooty mold fungus through the control of Whitefly Larvae.

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FRUITS

APPLICATION RATE
Tablespoons of
Sunspray per 1 Gal.
Water

TIME OF
APPLICATION

CROP	PEST	Water	TIME OF APPLICATION
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

APPLICATION RATE
Tablespoons of
Sunspray per 1 Gal.
Water

TIME OF
APPLICATION

CROP	PEST	Water	TIME OF APPLICATION
Asparagus	Aphids	2.5-5.0	As needed
Beans	Mites		
Beets	Beetle Larvae		
Corn	Leafminers		
Cucurbits	Certain Caterpillars		
Pepper	Thrips		
Radish	Leafhopper		
Squash	Whitefly		
Tomato			

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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, aborvitae 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**

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EPA Est. 4-NY,1 EPA Reg. No. 4-80
ACTIVE INGREDIENT 98% Wt.
..... (Superior type U.S. Min. 92%)
INERT INGREDIENTS 2% Wt.
*Registered TM of Sun Refining and Marketing

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

