

OCT 24 1995

Ms. Anne Montalone
Bonide Products, Inc.
2 Wurz Avenue
Yorkville, New York 13495

Subject: Revised Labeling--Addition of Houseplant
and Home Greenhouse Use; Additional Brand Name
Bonide Horticultural and Dormant Spray Oil
EPA Registration Number 4-80
Your Amendment Application Dated July 14, 1995

Dear Ms. Montalone:

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. Make the following labeling change before you release the product for shipment bearing the amended labeling:

a. Delete "Contains Sunspray" from the front panel of the label and from the hangtag (page 3 of the draft labeling). You submitted a notification on April 26, 1994 stating that you would be using Orchex 796 (EPA Registration Number 644-48) as an alternate source of your active ingredient. "Contains Sunspray" is incorrect if Orchex 796 is used.

b. On page 6, in the table for use in the Home Greenhouse, delete "bugs." This designation is too general. You may, if you wish, submit an amendment application with specific bugs identified.

c. On page 7, in the tables for use on Fruits and Vegetables, delete "Sunspray," and substitute "All Seasons."

d. On page 7, in the table for Vegetables, delete "Certain Caterpillars." This is too general. You may submit an amendment application with specific caterpillars identified.

The proposed additional brand name

All Seasons Horticultural and Dormant Spray Oil

is acceptable. Please note, however, that we ordinarily do not accept for review any labeling that does not contain the official name of record of the product. In the future please submit labeling with the name "Horticultural and Dormant Spray Oil."

Also note that you must be consistent throughout the label when referring to the product by name. For example, if you are using the name "All Seasons Horticultural and Dormant Spray Oil" for the product, you must consistently use this name--or "All Seasons"--on the label, including references in the tables. At different places on the submitted labeling you have used the names "All Seasons Horticultural and Dormant Spray Oil," "Horticultural Spray Oil," "Horticultural and Dormant Spray Oil," "Dormant Spray Oil," and "All Seasons."

3. 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
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

00721173

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 } → X
 USE DIRECTIONS }

Buyer's Guarantee Limited
 to Label Claims

Manufactured by

BONIDE PRODUCTS, INC.
YORKVILLE, NY 13495



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, over wintering eggs of European red spiders, Adelgids, 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 $\frac{1}{8}$ to $\frac{1}{4}$ inch of green color). **DELAYED DORMANT STAGE** (when the leaves of the blossom buds are out from $\frac{1}{4}$ to $\frac{1}{2}$ 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 Tbs with 1 gal of water
3 Ots	25 Gals	3%	7½ Tbs with 1 gal of water
1 Gal	25 Gals	4%	5 Oz with 1 gal of water
1½ Gals	25 Gals	6%	7 Oz with 1 gal of water
1¾ 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 scurly scale, leaf roller, bud moth, red bug, codling moth larvae. **DORMANT STAGE** of bud development for all above mentioned insects, use 4% actual oil.

3.
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 Whitelly 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 Whitelly Larvae.

HOUSEPLANTS

PLANT	PEST	APPLICATION RATE Tablespoons of per 1 Gallon Water <i>ALL SEASONS</i>	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

ALL SEASONS → 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.

HOME GREENHOUSE

PLANT	PEST	APPLICATION RATE Tablespoons of per Gallon Water <i>ALL SEASONS</i>	SPECIFIC COMMENTS
Azaleas Begonias Camellias Chrysanthemum Easter Lilies Ferns Gardenias Geranium Hibiscus Foliage Jade plant New Guinea Impatiens Palms Philodendron Portulaca Reigor Begonias Zinnias	Aphids Fungus Gnat Bugs 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> 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.
Dieffenbachia Poinsettias		2.5	Do not use on Poinsettia bracts
Leaf Polish for Hardy Plants.		2.5	

ALL SEASONS → 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	PEST	APPLICATION RATE	TIME OF APPLICATION
		Tablespoons of Sunspray 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 (Foliag
	Mites	2.5	Dormant and (Foliag
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 of Sunspray per 1 Gal. Water	
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			

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**

B3

EPA Est. 4-NY-1 EPA Reg. No. 4-B
ACTIVE INGREDIENT
Petroleum Oil 98% W
(Superior type U.R. Min. 92%)
INERT INGREDIENTS 2% V
*Registered TM of Sun Refining and
Marketing

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