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PM 23
4-59
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APR 25 1989

Mr. James J. Wurz
Bonide Products Co., Inc.
2 Wurz Ave,
Yorkville, N.Y. 13495

Dear Mr. Wurz:

Subject: **Bonide Fruit Tree Spray**
EPA Registration No. 4-59
Labeling Submitted in Response to PD-4, Conclusion
of Special Review; Notice of Final Determination,
Your Letter Dated April 14, 1989

The subject labeling submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided that you submit five (5) copies of final printed labeling before releasing the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

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

Sincerely yours,

Lawrence J. Schaubelt ^{LJS}
Acting Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (87505C)

Enclosure

11, 248

BONIDE®

FRUIT TREE SPRAY

CONTROLS INSECTS AND DISEASES ON FRUITS,
EVERGREENS, ORNAMENTALS AND FLOWERS.

EPA Est. 4-NY-1

EPA Reg. No. 4-59

ACTIVE INGREDIENTS:

| | |
|---|--------------|
| *Methoxychlor: 1,1,1-trichloro-2, 2-bis(p-methoxyphenyl) ethane | 6.0% |
| **Captan | 5.87% |
| Related derivatives | 0.13% |
| Malathion: 0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate | 3.0% |
| Carbaryl (1-naphthyl N-methylcarbamate) | 0.5% |
| INERT INGREDIENTS | 64.5% |

*Equivalent to 5.28% 2,2-bis (p-methoxyphenyl)-1, 1,1-trichloroethane and 0.72% other isomers and related compounds

**N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide

**KEEP OUT OF REACH OF CHILDREN
DANGER**

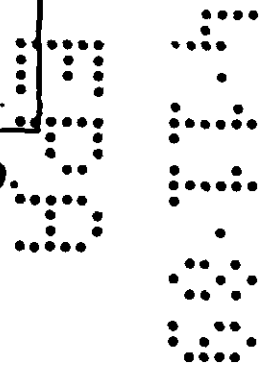
See back panel for additional precautionary statements.

NET WEIGHT 14 Oz. 4 Lb.

ACCEPTED
with COMMENTS
by EPA

April 25/1989

Under
Filing
on
register
4-59



BONIDE FRUIT TREE SPRAY, EPA Reg. No. 4-59PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALS - DANGER

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Wear chemical resistant gloves impermeable to Captan, also wear long pants and long-sleeved shirt and apply with the wind to your back. Wash nondisposable gloves thoroughly with soap and water before removing. Clothing worn while handling this product must be laundered separately from other clothing before reusing.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Call a physician.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources. 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 if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

STORAGE: Store in a cool dry area inaccessible to children or pets.
DISPOSAL: Do not reuse empty container. Wrap container and put in trash collection.

BONIDE FRUIT TREE SPRAY / EPA Reg. No. 4-59

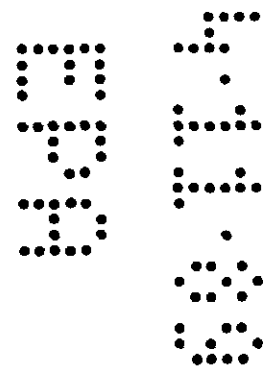
BONIDE FRUIT TREE SPRAY is a combination of ingredients useful in controlling certain insect pests and diseases common to home fruit plantings (see list). It can also be used for protection of evergreens, ornamentals and flowers. Spray is easily applied by tank, trombone, hand or hose end sprayers. Where nozzle plugging is a problem, use "Bonide Liquid Fruit Tree Spray". On apples, apricots, cherries, grapes, peaches, plums, fresh prunes, and strawberries. Fruit Tree Spray controls: **INSECTS** - aphids, apple maggot, bagworm,

black cutworm, bud moth, cherry fruit fly and worm, codling moth, plum curculio, flea beetles, fruit tree leaf roller, gypsy moth, Jap beetle, leaf hoppers, lesser peach tree borer, mealy bugs, mites (clover, European red, two spotted and Wilmette), oriental fruit moth, pear slugs, psylla, red banded leaf roller, scale. (Forbes, Putnam, San Jose), spittle bug, tent caterpillars, unspotted tentiform leaf miner, yellow neck caterpillar and **DISEASES**—bitter rot, black pox, black rot, blossom blight, Botryosphaeria rot, botrytis blossom end rot, Brooks fruit spot, brown rot, coryneum blight, downy mildew, fly speck, frog eye, fruit rot, leaf spot, scab, sooty blotch.

DIRECTIONS

Select still periods for application (early morning or evening) to reduce waste by blow away and blow back on applicator. Make thin paste first with powder then dilute with balance of water to make quantity desired. During application, agitate sprayer to keep powder in suspension. Spray trees or plants lightly but thoroughly cover all parts of plant or tree, particularly undersides of leaves. Do not apply if rain is expected shortly after application. It is easier to prevent disease and scale damage than to cure same. Therefore, a preventive spray schedule is recommended. Use 5 level tablespoons per gallon of spray water (2 1/2 oz. per gallon), 14 oz. to 5 1/2 gallons water, 4 lbs. to 24 gallons. May cause damage to ferns or crassula. Remove residue before eating or canning by washing or wiping.

DIRECTIONS FOR USE: Use 1 to 2 pts. spray suspension on 5 to 8 ft. trees. Use 1 to 2 qts. spray suspension on 8 to 14 ft. trees. On large trees use 1 to 3 gals. spray suspension.



STAGES OF TREE DEVELOPMENT

| FRUIT | DORMANT(1) | GREENTIP | PREBLOOM | FULL PINK | BLOOM(2) | PETAL FALL | 1st COVER |
|--|------------|---|--|-----------|----------|------------------------------|-----------|
| Apples Use 10 level tablespoons per gallon of water. | | Start and repeat at seven day intervals until bloom. | | | | Repeat at 10 to 7 days be | |
| Cherries Apricots | | | | | Start | Repeat | & |
| | | and once more before harvest: up to 7 days before harvest 21 days before harvest | | | | | |
| Strawberries Grapes | | Start and repeat at 10-14 ^{day} intervals up to 14 days before harvest Start and repeat at 10 day intervals Do not apply more than 30 oz. of suspension per 100 sq. ft. (10' x 10') of bed or trellis (3' x 33'). | | | | | |
| Peaches* Use 10 level tablespoons per gallon of water. | | up to 21 days before harvest if needed use Bonide Wettable S | | | | | |
| Plums Fresh Prunes | | | Start to apply once before bloom. Repeat up to 7 days before harvest. | | | | |

1. Dormant sprays are recommended, use Bonide Dormant Oil up to 7 days before Green
2. Don't spray pollinators. Fungicide alone may be applied for disease.

*For peach tree border, mix 1/4 lb. (20 oz.) in 1 gal. water - spray or paint trunk
July, August and September

Buyer's Guarantee Limited to Label Claims

Mfg. by **BONIDE CHEMICAL CO., INC.**, YORKVILLE, NY 13495

FRUIT TREE SPRAY

CONTROLS INSECTS AND DISEASES ON FRUITS,
EVERGREENS, ORNAMENTALS AND FLOWERS.

EPA Est. 4-NY-1

EPA Reg. No. 4-59

ACTIVE INGREDIENTS:

| | |
|--|-------|
| *Methoxychlor: 1,1,1-trichloro-2, 2-bis(p-methoxyphenyl) ethane | 6.0% |
| **Captan | 5.87% |
| Related derivatives | 0.13% |
| Malathion: 0,0-dimethyl phosphorodithionate of diethyl mercaptosuccinate | 3.0% |
| Carbaryl (1-naphthyl N-methylcarbamate) | 0.5% |
| INERT INGREDIENTS | 84.5% |

*Equivalent to 5.28% 2,2-bis (p-methoxyphenyl)-1, 1,1-trichloroethane and 0.72% other isomers and related compounds.

**N-Trichloromethylthio-4-cyclohexene-1,2-dicarbamide

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See back panel for additional precautionary statements.

NET WEIGHT 14 Oz. 4 Lb.

BEST AVAILABLE COPY

BONIDE FRUIT TREE SPRAY, EPA Reg. No. 4-59

7-78

PRECAUTIONARY STATEMENTSHAZARDS TO HUMANS AND DOMESTIC ANIMALS - DANGER

Causes irreversible eye damage. Harmful if swallowed or inhaled. May cause allergic skin reactions. Do not get in eyes. Wear goggles or face shield when handling. Avoid contact with skin and clothing. Wear chemical resistant gloves impermeable to Captan, also wear long pants and long-sleeved shirt and apply with the wind to your back. Wash nondisposable gloves thoroughly with soap and water before removing. Clothing worn while handling this product must be laundered separately from other clothing before reusing.

STATEMENT OF PRACTICAL TREATMENT

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If in eyes: Flush with plenty of water. Call a physician.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water. Avoid alcohol.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources. 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 if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

Storage: Store in a cool dry area inaccessible to children and pets. Disposal: Do not reuse empty container. Wrap container and put in trash collection.

BEST AVAILABLE COPY

WAC -
5 will be
week - for Sept

1/3 as much as in
fruit tree for
apples.

Fruit Tree Spray is a combination of ingredients useful in controlling certain insect pests and diseases common to home fruit plantings (see list). It can also be used for protection of evergreens, ornamentals and flowers. Spray is easily applied by tank, trombone, hand or hose end sprayers. Where nozzle plugging is a problem, use "Bonide Liquid Fruit Tree Spray." On apples, apricots, cherries, grapes, peaches, ~~plums~~, plums, prunes and strawberries, Fruit Tree Spray controls: INSECTS—aphids, apple maggot, bagworm, black cutworm, bud moth, cherry fruit fly and worm, codling moth, plum curculio, flea beetles, fruit tree leaf roller, gypsy moth, Jap beetle, leaf hoppers, lesser peach tree borer, mealy bugs, mites (clover, European red, two spotted and Wilmette), oriental fruit moth, pear slugs, psylla, red banded leaf roller, scale. (Forbes, Putnam, San Jose), spittle bug, tent caterpillars, unsprayed tentiform leaf miner, yellow neck caterpillar and DISEASES—bitter rot, black pox, black rot, blossom blight, Botryasphaeria rot, botrytis blossom end rot, Brooks fruit spot, brown rot, coryneum blight, downy mildew, fly speck, frog eye, fruit rot, leaf spot, scab, sooty blotch.

DIRECTIONS

Select still periods for application (early morning or evening) to reduce waste by blow away and blow back on applicator. Make thin paste first with powder then dilute with balance of water to make quantity desired. During application, agitate sprayer to keep powder in suspension. Spray trees or plants lightly but thoroughly cover all parts of plant or tree, particularly undersides of leaves. Do not spray if rain is expected shortly after application. It is easier to prevent disease and scale damage than to cure same. Therefore, a preventive spray schedule is recommended. Use 5 level-tablespoons per gallon of spray water (1.02 oz per gallon), 14 oz. to 5 1/2 gallons water, 4 lbs. to 24 gallons. May cause damage to ferns or crassula. Remove residue before eating or canning by washing or wiping.

could be as high as 16

Direction for use
AS A GENERAL GUIDE: Use 1 to 2 pts. mixed spray on 5 to 8 ft. trees. Use 1 to 2 qts. mixed spray on 8' to 14 ft. trees. On large trees use 1 to 3 gals. mixed spray.

STAGES OF TREE DEVELOPMENT

| FRUIT | DORMANT (1) | GREENUP | PREBLOOM | FULL BLOOM (2) | PETAL FALL | 1ST COVER | 2ND COVER | TO HARVEST | |
|--------------|-------------|---|--|----------------|------------|--|---|------------|--|
| Apple | | Start and repeat at seven day intervals until bloom. | | | | Repeat at 10 day intervals up to 7 days before harvest | | | |
| Cherries | | | | Start | Repeat | & Repeat 14 days after petal fall | | | |
| Apricot | | and once more before harvest: up to 7 days before harvest of cherries & 21 days before harvest of apricots. | | | | | | | |
| Strawberries | | Start and repeat at 10-14 day intervals up to 14 days before harvest. | | | | | Do not apply more than 30 oz. of mixed spray per 10' bed or trellis (3'x33'). | | |
| Grapes | | Start and repeat at 10 day intervals applying 5-7 sprays sq. ft. (10'x20' sq. ft.) | | | | | | | |
| Peaches* | | up to 21 days before harvest if needed. Use Bonide Wettable Sulphur to Harvest | | | | | | | |
| Plum | | | Start apply once before bloom. repeat at 10-day intervals up to 7 days before harvest. | | | | | | |
| Prune | | | | | | | | | |

1. Dormant sprays are recommended, use Bonide Dormant Oil up to 7 days before Green up Application.
2. Don't spray pollinators. Fungicide alone may be applied for disease.

*For peach tree borer, mix 1 1/2 lb. (20 oz.) in 1 gal water—spray or paint trunk of trees 1st of July, August and September.

Note: Do not apply more than 16 lbs. per acre (1 lb. per 2750 sq. ft.).

Buyer's Guarantee Limited to Label Claims

MFG. BY BONIDE CHEMICAL CO., INC. • YORKVILLE, NY 13495

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fluid
1 qt
2722.5
pyl
X