

US EPA ARCHIVE DOCUMENT

159

001189

DATE: July 23, 1981
SUBJECT: Orthocide 15 Dust
EPA Reg. No. 239-788

FROM: Sherell A. Sterling
FHB/TSS

Handwritten: July 25-81 E 7:31 PM

TO: Henry Jacoby
Product Manager (21)

Registrant: Chevron Chemical Company
Ortho Division
940 Hensley Street
Richmond, CA 94801

Active Ingredient:
Captan 14.2%
Related derivatives 0.8%
Inert Ingredients 85.0%

Background: This product is currently registered with the signal word CAUTION. The registrant submitted an Eye Irritation study to support a change from CAUTION to DANGER. This study was conducted by Environmental Health and Toxicology of Standard Oil Company of California of Richmond, California. The method of support is "cite-all."

Recommendations:

1. The Eye Irritation study is considered adequate and acceptable for conditional registration purposes. Please note for further studies that 100 mg of solid substances must be placed in the eye.
2. Based on the Eye Irritation data, the appropriate signal word for this product is DANGER.

Labeling Recommendations:

1. The "Hazards to Humans and Domestic Animals" statement must be revised as follows or similarly:

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed. May cause allergic skin reactions. Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Wear goggles when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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MEMORANDUM

Date: July 8, 1981

Subject: EPA File Symbol: 8590-LAG LIQUID FRUIT TREE SPRAY
Caswell # 159, 535, 550, 160, 907

From: Cheryl A. Peterson *CP*
IRB/TSS

To: William Miller
Product Manager (16)

Applicant: Agway Inc.
Chemical Division
Box 4933
Syracuse, NY 13221

Active Ingredients:

Captan (N-((trichloromethyl)thio)-4-cyclo-hexene-1,2-dicarboximide).....	11.35%
related compounds.....	0.65%
Malathion (o,o-dimethyl dithiophosphate of diethyl mercaptosuccinate).....	6.00%
Methoxychlor, technical.....	12.00%
Carbaryl (1-naphthyl N-methylcarbamate).....	3.00%
Xylene Range Aromatic Solvent.....	59.07%

Inert Ingredients: 6.00%

Background:

This product is intended for outdoor, homeowner use on fruit trees against insects, fungi, aphids, mites and scales. The company has submitted an application for conditional registration of a new pesticide product. The "cite-all" method of support has been indicated, and no safety data has been submitted.

Comments & Recommendations:

1. IRB/TSS is not aware of any products currently registered with the Agency which contain the combination of all active ingredients contained in this particular product.

2. The referenced toxicity data on file with the Agency indicated by the use of the "cite-all" method of support should be specifically cited, or previously registered products with the combination of captan, malathion, methoxychlor and carbaryl together should be specified.

3. If such data cannot be referenced or similar products have not been registered, this information should be specified; and acute oral, acute dermal, primary eye irritation and primary skin irritation data should be submitted or cited from the open literature.

4. IRB/TSS defers recommendation for conditional registration of the above product pending receipt of additional information on toxicity data support for the product.

ADVERTISING AND SALES PROMOTION SERVICES

COPY

FOR: AGWAY LIQUID FRUIT TREE SPRAY

DATE: 2/4/81

NET CONTENTS: 8 oz.
1 pt.
1 qt.

PICA 50 CHARACTERS
ELITE 60 CHARACTERS

AGWAY
LIQUID FRUIT TREE SPRAY

A water soluble concentrate containing insecticide, fungicide, aphicide, miticide, scabicide and spreader-sticker.

ACTIVE INGREDIENTS:

Captan N-((trichloromethyl)thio)-4-cyclohexene-1,2-dicarboximide	11.35%
Related Compounds	0.65%
Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate).	6.00%
*Methoxychlor, technical	12.00%
Carbaryl (1-naphthyl N-methylcarbamate).	3.00%
Xylene range aromatic solvent	59.07%
INERT INGREDIENTS:	6.00%
TOTAL	100.00%

*Equivalent to 10.56% 2,2-bis (p-methoxyphenyl)-1,1,1-trichloroethane and 1.44% of other isomers and related compounds.

CAUTION (12 point)

KEEP OUT OF REACH OF CHILDREN (18 point)

See side panel for additional precautionary statements.

EPA Reg. No. 8590
Epa Est. No. 8590-PA-1

Agway Inc.
Chemical Division
Box 4933
Syracuse, NY 13221

O.K.A.Y.

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ADVERTISING AND SALES PROMOTION SERVICES

COPY

FOR: AGWAY LIQUID FRUIT TREE SPRAY

DATE: 2/4/81

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist or contact with skin, eyes or clothing. May be absorbed through skin. Do not use on household pets or humans. Wash hands and contaminated clothing after use. Do not smoke while applying. Store out of reach of children.

Remove residue on edible fruit by wiping or washing before canning or eating. Avoid contamination of foodstuffs, feed or feeding troughs and water receptacles or pets or animals, outdoor fish ponds, streams and water supplies.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not reuse container. Bury in a safe place.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PICA 30 CHARACTERS
ELITE - 60 CHARACTERS

OK BY

ADVERTISING AND SALES PROMOTION SERVICES

COPY

FOR:

AGWAY LIQUID FRUIT TREE SPRAY

DATE: 2/4/81

EASY TO USE: Mixes with water instantly; no plugged nozzles; no messy powders to handle, measure or mix; no pre-mixing or straining necessary. Designed especially for home orchards to protect apples, cherries, grapes, peaches, pears, plums and prunes from the ravages of insects and diseases listed on spray chart below.

DIRECTIONS

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

SHAKE PRODUCT THOROUGHLY BEFORE USING. Contains micronic particles which settle upon standing and require reblending by agitation. Choose a cool, calm period, preferably early morning or evening, when trees will not be subjected to hot direct rays of the sun. Do not apply if rain is expected before leaf surfaces dry. It is easier to prevent disease and scale damage than to cure same, therefore a preventative 10-14 day spray schedule is recommended. When insects are present, use maximum dilution. When active disease spores are present (warm, humid days) shorten spray intervals to 5-7 days at maximum dilution.

PICA 50 CHARACTERS
ELITE 40 CHARACTERS

O'K BY

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SPRAY CHART

Fruit	Insects/Diseases	Dormant	Green Tip			Pre-bloom			Full Pink			Bloom	Petal Fall						
			1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.		2 1/2 tbs.	1st Cover	2nd Cover to Harvest	Post Harvest			
Apple:	apple maggots, codling moths, Jap beetles, leafhoppers, plum curculios, aphids, bud moth, Forbes scale, eastern tent caterpillar, red banded leaf roller, mites, bitter rot, black rot, frogeye leaf spot, black pox, botryospherae (white rot), botrytis rot, bullseye rot Brooks fruit spot, flyspeck, cedar rust, quince rust, scab, sooty blotch	Dormant - absence of growth-fall, winter or spring. Dormant sprays are recommended. Use Agway Dormant Oil or Dormant Oil with Ethion up to 7 days before Green Tip application.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	
Cherry:	plum curculios, cherry fruit flies, cherry fruit worms, black cherry aphid, fruit tree leaf roller, bud moth, Jap beetle, Botrytis rot, brown rot, leaf spot		1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.
Grape:	fire beetles, Jap beetles, grape leaf skeletonizers, rose chafers, grape berry moths, spider mites, mealy bugs, leafhoppers, black rot, downy mildew (berries only), botrytis rot		1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.
Peach:	plum curculio, Jap beetle, spider mite, oriental fruit moth, green, peach, black cherry, black peach, rusty plum aphids, brown rot, rhizopus, scab, brown rot (blossom blight), coryneum blight		1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.
Pear:	codling moth, pear slug, fruit tree leaf roller, pear psylla, plum curculio, red banded leaf roller, mites, mealybugs, fruit spot, scab		1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.
Plum, Prune:	plum curculios, mealy plum aphid, bud moth, brown rot, russet or lacy scab	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	2 1/2 tbs.	1 1/2 tbs.	

Green Tip -- when branch tips show green tissue

Pre-bloom -- when blossom buds begin to show color

Full Pink -- when blossom buds show full color before opening

Bloom - When blossoms are open. Don't spray pollinators. *Fungicide alone may be applied for disease

Petal Fall -- when last petals have fallen from blossom

1st Cover -- 7 - 10 days after petal fall

2nd Cover -- to cut off date before harvest

Post Harvest -- to leaf drop

Start and repeat at 10 day intervals until bloom

Start and repeat at 10 day intervals until bloom

Russeting may be induced on Bosc pears. Do not use on D'Anjou pears.

Repeat at 14 day intervals up to 14 days before harvest

Repeat at 14 day intervals up to 7 days before harvest

Start and repeat at 10 day intervals until bloom

Repeat at 14 day intervals up to 7 days before harvest