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BLD21

Base Reg. (6019)

U.S. LABEL-(S)

Reason to Issue: To delete use on forest and shade trees; revise Corporate name and trademark acknowledgement statement.

Date of Draft: 10/16/86 (M)
Supersedes Draft Dated: 4/24/73

EPA Reg. No. 3125-138

® GUTHION

FRUIT TREE AND GARDEN SPRAY

INSECTICIDE

PROTECTS APPLES, PLUMS, PECANS, PEACHES, TOMATOES, BEANS, BERRIES, MELONS, FLOWERS, SHRUBS, EVERGREENS, TREES, AND MANY OTHERS FROM DAMAGING INSECTS.

GUARANTEE

ACTIVE INGREDIENTS:

O,O-Dimethyl S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate	7	12.4Z
Xylene		35.0Z

GUARANTEE: Contains 1.0 lb O,O-Dimethyl S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate per gallon.

INERT INGREDIENTS:		52.6Z
		<u>100.0Z</u>

WARNING

KEEP OUT OF REACH OF CHILDREN

Canadian Patent No. 552,660

(See rear panel for warning statements)

EPA Reg. No. 3125-138

3125-138

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

STOP - READ THE LABEL BEFORE USE

NET CONTENTS 1 PINT

MOBAY CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, Missouri, 64120

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DIRECTIONS FOR USE

IMPORTANT: Read these entire Directions and Conditions of Sale before using GUTHION Fruit Tree and Garden Spray.

CONDITIONS OF SALE: These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food and feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. Mobay and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

GUTHION Fruit Tree and Garden Spray insecticide mixes readily with water and may be used in all types of sprayers. Add the number of teaspoonfuls of GUTHION Fruit Tree and Garden Spray indicated under "RECOMMENDED APPLICATIONS" to each gallon of water to be used. Spray foliage to the point of runoff. Regulate the timing of applications and the number of treatments per season in accordance with the dosage chart provided. Stay out of spray mist. Work windward side of spray.

For hose-end sprayers: For each gallon of finished spray desired, measure into the sprayer jar the recommended number of teaspoonfuls (Note: 3 teaspoonfuls = 1 tablespoonful = 1/2 fluid ounce) of GUTHION Fruit Tree and Garden Spray indicated under "RECOMMENDED APPLICATIONS". Add water to the sprayer jar to dilute the GUTHION Fruit Tree and Garden Spray to the correct level for the amount of finished spray desired. Follow the directions supplied by the manufacturer of your particular hose-end sprayer. Spray plants to the point of run-off. **NOTE:** Do not use in hose-end sprayers for treatment of shrubs or trees above 5 feet in height.

Do not store diluted spray. Make new dilution for each use.

RECOMMENDED APPLICATIONS

CROP	INSECT		Teaspoonfuls of Concentrate per Gallon of Water	REMARKS	
FRUIT					
Apples	Aphids	Mites	2	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply more than 8 times per season nor within 15 days of harvest. GUTHION is compatible with dormant and summer oils which may be added to apple and pear sprays in accordance with local recommendations. Do not use oils within 30 days of sulfur or lime-sulfur treatments	
Crab-apples	Apple maggot	Orange tortix			
Pears	Codling moth	Pear psylla			
Quinces	European apple sawfly	Plum curculio			
	Eye-spotted bud moth	Putnam scale			
	Forbes scale	Red-banded leaf roller			
	Fruit tree leaf roller	San Jose scale			
	Leafhoppers	Stink bug			
	Mealybug	Tarnished plant bug			
Cherries	Eye-spotted bud moth	Lesser peach tree borer			3
	Forbes scale	Mites			
	Fruit flies	Plum curculio			
	Fruit tree leaf roller	San Jose scale			

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Teaspoonfuls of Concentrate per Gallon of Water	REMARKS
FRUIT (Cont'd) Apricots Nectarines Peaches	Aphids Cottony peach scale European fruit lecanium scale Forbes scale Lesser peach tree borer Mites Oriental fruit moth Peach tree borer Peach twig borer	Platynota flavedana leaf roller Plum curculio Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Terrapin scale Walnut scale White peach scale	2	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply more than 8 times per season, within 21 days of harvest for apricots, nectarines, and peaches, nor within 15 days of harvest for plums and prunes. For control of peach tree borer, apply 2 or 3 sprays to trunk from ground to scaffold limbs, timed with moth flight. For scale control, apply when crawlers are present.
Nectarines	Thrips		2	GUTHION is compatible with dormant and summer oils which may be added to peach and prune sprays in accordance with local recommendations. Do not use oils within 30 days of sulfur or lime-sulphur treatments. NOTE: It is suggested that when treating nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.
Plums Prunes	Aphids American plum borer Eye-spotted bud moth Forbes scale Fruit tree leaf roller Lesser peach tree borer Mites Orange tortrix	Peach tree borer Peach twig borer Plum curculio Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Tussock moth	3	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary but not within 14 days of harvest.
Black-berries Boysen-berries Logan-berries Rasp-berries	Aphids Leafhoppers Leaf rollers	Leaf miners Obscure root weevil	3	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary but not within 14 days of harvest.

RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Teaspoonfuls of Concentrate per Gallon of Water	REMARKS
<u>FRUIT (Cont'd)</u>				
Citrus Fruits	Aphids Black scale Brown soft scale California red scale Chaff scale Citricola scale Citrus mealybug Citrus rust mite Citrus thrips Cottony-cushion scale	European brown snail Florida red scale Fruit tree leaf rollers Fuller rose beetle Glover scale Orange tortrix Purple scale Yellow scale Western tussock moth Whiteflies	3	Apply specified dosage in 1 gallon of water as a full cover spray. A single application per year may be applied up to within 7 days of picking. Where 2 applications are required, the second spray should not be applied within 28 days of harvest. Do not apply more than twice per fruit year. Do not pick fruit or do other work involving contact with the tree, such as pruning, within 7 days of treatment.
Grapes	Grape berry moth Grape cane girdlers Leafhoppers	Mites Red-banded leaf roller Thrips	2	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary but not more than 3 times per season nor within 28 days of harvest.
Strawberries	Aphids Meadow spittlebug Oblique-banded leaf roller Obscure root weevil	Omnivorous leaf tier Pea leaf weevil Small Black (grass) weevil Strawberry leaf rollers Whitefly	3	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply within 5 days of harvest.
<u>NUTS</u>				
Pecans	Aphids Fall webworm Hickory shuckworm Leaf miners May beetles Mites	Pecan case bearer Southern green stink bug Spittlebugs Twig girdlers Walnut caterpillars	4	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.
Walnuts	Aphids Codling moth	European red mite Filbertworm		

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Teaspoonfuls of Concentrate per Gallon of Water	REMARKS
VEGETABLES				
Snap Beans	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf miners Leaf rollers Mites Stink bugs Velvet bean caterpillar	Mexican bean beetle Spotted cucumber beetle Striped cucumber beetle Tarnished plant bug Western-striped cucumber beetle	3	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply to snap beans within 7 days of harvest. Do not feed or ensile treated forage.
Broccoli Brussels Sprouts Cabbage Cauliflower	Aphids Cabbage looper Diamondback moth	Imported cabbageworm	4	Apply specified dosage in 1 gallon of water as a full coverage spray. Repeat as necessary. Do not apply within 7 days of harvest for Brussels sprouts, 15 days of harvest for broccoli and cauliflower, nor within 21 days of harvest for cabbage.
Cucumbers	Spotted cucumber beetle Western-striped cucumber beetle	Striped cucumber beetle	3	Apply specified dosage in 1 gallon of water for complete coverage. Do not apply more than 3 times per season nor within 1 day of harvest.
Eggplant	European corn borer	Flea beetles Leaf miners	3	Apply specified dosage in 1 gallon of water to give complete coverage. Repeat as necessary. Do not apply after fruit set.
Peppers	European corn borer	Flea beetles Leaf miners	3	Apply specified dosage in 1 gallon of water to give complete coverage. A maximum of 4 treatments may be made up to within 3 days of harvest. Where more than 4 applications are required, do not apply last spray within 14 days of harvest.

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Teaspoonfuls of Concentrate per Gallon of Water	REMARKS
VEGETABLES	(Cont'd)			
Potatoes	Aphids Colorado potato beetle European corn borer Flea beetle	Leafhoppers Leaf miners Spittlebugs Tarnished plant bug Tuberworm	4	Apply specified dosage in 1 gallon of water to give complete coverage. Repeat as necessary. Do not apply within 7 days of harvest.
Spinach	Aphids Mites	Leaf miners	3	Apply specified dosage in 1 gallon of water for complete coverage. Repeat as necessary. Do not apply within 14 days of harvest.
Tomatoes	Aphids Colorado potato beetle Corn earworm <u>Drosophila</u> European corn borer Flea beetles Fruitworm Grasshoppers	Green stink bug Hornworm Leafhoppers Leaf miners Pinworm Thrips Tuberworm Whitefly Yellow-striped armyworm	4	Apply specified dosage in 1 gallon of water for complete coverage. Repeat as necessary.
MELONS				
Honeydew melons Muskmelon (Cantaloupe) Watermelons	Leafhoppers Leaf miners Rindworms Spotted cucumber beetle	Striped cucumber beetle Western-striped cucumber beetle	3	Apply specified dosage in 1 gallon of water to give complete coverage. Repeat as necessary up to the day of harvest but not more than 4 times per season.
ORNAMENTALS				
Ornamentals, Nursery Plants	Aphids Black pine leaf scale Brown soft scale <u>Cerococcus</u> scale Euonymus scale European elm scale	Lace bug Leafhoppers Mites Olive scale Oystershell scale <u>Pulvinaria</u> scale Putnam scale Thrips Juniper scale	4	Apply specified dosage in 1 gallon of water. Spray all foliage surfaces including the underside of leaves for complete coverage. Repeat as necessary.
	European pine shoot moth	Nantucket pine tip moth	4	Apply specified dosage in 1 gallon of water for good coverage. Time applications to coincide with moth flights.
Do not allow children or pets on treated area until material has been washed into soil and treated area is dry.				

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RESTRICTIONS

Do not use on other crops used for food or forage. Use only according to label directions. Applications at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

Do not store where this product can contaminate feed or food.

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label. 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.

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear natural rubber gloves. In case of contact, wash immediately with soap and water. Do not breathe fumes or spray mist. 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 reuse.

If swallowed, give a tablespoonful of salt in a glass of warm water and repeat until vomit fluid is clear. Have victim lie down and keep quiet. Call a physician immediately.

If on skin: In case of contact, remove contaminated clothing and immediately wash skin with soap and water.

If poisoning occurs, obtain prompt medical aid.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

TO PHYSICIAN: Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Do not reuse container for any purpose. Destroy empty container.

Do not contaminate feed or food. Keep out of reach of children. Keep children and pets away from treated area until it is completely dry.

KEEP AWAY FROM OPEN FLAME
PROTECT FROM HEAT AND FREEZING

GUTHION is a Reg. TM of Bayer AG, Leverkusen.