

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 3125-379	DATE OF ISSUANCE September 16, 1987
<b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	TERM OF ISSUANCE Until Reregistration NAME OF PESTICIDE PRODUCT GUTHION-® 35% Wettable Powder in Water Soluble Packets	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Mobay Corporation  
 Agricultural Chemical Division  
 P. O. Box 4913  
 Kansas City MO 64120

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) 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. Add the phrase, "EPA Registration No. 3125-379" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

A stamp copy of the label is enclosed for your records.

**BEST AVAILABLE COPY**

Dennis B. Edwards, Jr.  
 Product Manager (12)  
 Insecticide-Rodenticide Branch  
 Registration Division (TS-767C)

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Dennis H. Edwards, Jr.

DATE

9/16/87

8/20

SPECIAL LABELING REQUIRED FOR BAGS CONTAINING PVA WATER SOLUBLE PACKETS

GTO-6227.YLD

Base Pre-Reg. (6227)

U.S. LABEL

Reason to Issue: To propose registration of 35% Wettable Powder formulation; 7/15/87 Draft: To revise in accordance with EPA comments.

Date of Draft: 7/15/87 Pre-Reg (S)  
Supersedes Pre-Reg Draft Dated: 2/4/87

EPA File Symbol No. 3125-GTO

GUTHION®  
35% WETTABLE POWDER  
CROP INSECTICIDE  
IN WATER SOLUBLE PACKETS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 16 1987

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
3125-379

FOR EFFECTIVE ECONOMICAL INSECT  
CONTROL

Keep water soluble packets in this container and store in a cool dry place, but not below freezing (32°). Protect from heat. Keep away from open flame. Do not heat. Entire inner packets dissolve in water. After opening outer bag, drop the required unopened inner packets into spray tank as directed. Do not excessively handle water soluble packet or expose it to moisture, since this may cause breakage.

ACTIVE INGREDIENT:


O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-  
-3(4H)-yl)methyl] phosphorodithioate .... 35%

INERT INGREDIENTS: ..... 65%  
100%

EPA File Symbol No. 3125-GTO

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

DANGER  POISON

PELIGRO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

(See rear panel for Statements of Practical Treatment and other Precautionary Statements)

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY

CONTAINS 5 ONE POUND WATER SOLUBLE PACKETS  
TOTAL NET CONTENTS 5 POUNDS

MOBAY CORPORATION  
A Bayer USA INC. COMPANY  
AGRICULTURAL CHEMICALS DIVISION  
Box 4913, Kansas City, Mo. 64120

Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

GUTHION 35% Wettable Powder PVA Insecticide

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using GUTHION 35% Wettable Powder.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

MIXING: The enclosed packets containing GUTHION 35% Wettable Powder insecticide are water soluble. Do not allow packet to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer bag to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under "Recommended Application", into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately 5 minutes from the time they were added to the water.

DOSAGE: Use specified dosage of GUTHION 35% Wettable Powder in the amount of water necessary to give complete coverage of foliage. Determine the total amount of wettable powder to be added to the spray tank based on the rates under "Recommended Applications". For each 1 3/8 lbs. of wettable powder to be added to the spray tank use one 1 3/8 lbs. packet. For example, if it is determined that 2 3/4 lbs. of GUTHION 35% Wettable Powder should be added to the spray tank, add two 1 3/8 lbs. packets. The type of equipment used will determine the concentration required; however, use of these packets is not recommended for making highly concentrated mixtures such as used in aircraft spraying.

SPRAYING: Work to windward. Protect sprayer operators from drift or mist. When low volumes of spray are applied complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service for specific use information in your area.

GUTHION 35% Wettable Powder PVA Insecticide

RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
<b>FIELD CROPS</b>			
Alfalfa	Leafhoppers	5/8 to 1 3/8	Apply specified dosage per acre using a minimum of 10 gallons of water per acre. It may be necessary to use 20 to 25 gallons of water per acre on heavy growth for control of alfalfa weevil or Egyptian alfalfa weevil with ground equipment. Do not apply within 14 days of harvest at the rates of 5/8 to 1 pounds per acre or within 16 days at the rate of 1 3/8 pound per acre. Do not apply rates above 1 3/8 pound per acre within 21 days of harvest. Do not apply more than once per cutting at any rate.
Birdsfoot trefoil	Mites		
(East of the Mississippi River Only)	Alfalfa weevil	1 to 2 1/8	
Clover	Egyptian alfalfa weevil		
(Not for use in California)	Alfalfa plant bug	1 3/8 to 2 1/8	
	Flea hopper		
	Grasshoppers		
	Lygus bugs		
	Spittlebug		
Barley	Cereal leaf beetle	1 to 1 3/8	Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than once per season. Do not harvest for food, feed, forage or graze within 30 days of treatment.
Oats			
Rye			
Wheat			
Soybeans	Aphids	1 to 1 3/8	Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary. Do not apply within 45 days of harvest. Do not graze or feed treated vines to livestock.
	Bean leaf beetle		
	Green cloverworm		
	Leafhoppers		
	Leaf miners	1 3/8 to 2 1/8	
	Leaf rollers		
	Stink bugs		
	Velvet bean caterpillar		
	Mexican bean beetle		
Tobacco	Aphids	1 3/8 to 2 1/8	Apply specified dosage per acre in sufficient water for complete coverage. Treat for hornworms as soon as egg masses or worms are first found. Repeat as necessary but not within 5 days of harvest. Prime before treating.
	Grasshoppers		
	Tobacco hornworm		
	Tobacco flea beetle		
	Tobacco budworm	2 1/8	

**Approved**  
**Label Corrections**  
 10/15/87 Letter Dated:

SEP 16 1987

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

3425-379

## GUTHION 35% Wettable Powder PVA Insecticide

## RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Pounds GUTHION 35% WP	REMARKS
<u>FRUIT</u>				
Apples Crab apples Pears Quinces	Aphids Apple maggot Codling moth European apple sawfly Eye-spotted bud moth Forbes scale Fruit tree leaf roller Green fruit- worm Leafhoppers	Mealybug Orange tortrix Plum curculio Putnam scale Red-Banded leaf roller San Jose scale/ Stink bug Tarnished plant bug	5/8 to 7/8	<p>Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1,000 gallons of finished spray per acre. Repeat as necessary. Do not apply more than 8 times per season nor within 15 days of harvest. An alternate spray schedule may be used by making 6 applications at rates of 5/8 to 7/8 pound followed by 2 applications at the 5/8 pound rate but not within 7 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.</p> <p>Do not graze livestock in treated orchards or groves for 21 days after treatment.</p> <p>/GUTHION used alone may not provide satisfactory control. Consult your local agricultural advisor or extension service for recommendations.</p>
Cherries (Except Cali- fornia)	Eye-spotted bud moth Forbes scale Fruit flies Fruit tree leaf roller	Lesser peach tree borer Mites Plum curculio San Jose Scale/	5/8 to 1 3/8	<p>Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 800 gallons of finished spray per acre. Repeat as necessary. Do not apply more than 8 times per season nor within 15 days of harvest.</p>
	Cherry leaf miner Minéola moth		5/8	<p>/GUTHION used alone may not provide satisfactory control. Consult your local agricultural advisor or extension service for recommendations.</p>

GUTHION 35% Wettable Powder PVA Insecticide

RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT		Pounds GUTHION 35% WP	REMARKS
Apricots Nectar- ines Peaches	Aphids Cottony peach scale European fruit lecanium scale Forbes scale Lesser peach tree borer Mites Peach tree borer	Platynota flavedana leaf roller Plum curculio Redbanded leaf roller San Jose scale/ Stink bug Tarnished plant bug Terrapin scale Walnut scale White peach scale	5/8 to 7/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 800 gallons of finished spray per acre. 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. Apply the 1 pound rate for oriental fruit moth and peach twig borer on apricots, nectarines, and peaches only before midseason. 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. 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-sulfur treatments.
	Oriental fruit moth Peach twig borer		5/8 to 1	
Nectar- ines	Thrips		5/8 to 7/8	
Plums Prunes	Aphids Codling moth Eyespotted bud moth Forbes scale Fruit tree leaf roller Lesser peach tree borer Mites Orange tortrix Peach tree borer	Peach twig borer Plum curculio Redbanded leaf roller San Jose scale/ Stink bug Tarnished plant bug Tussock moth	5/8 to 1 3/8	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.  /GUTHION used alone may not provide satisfactory control. Consult your local agricultural advisor or extension service for recommendations.
		American plum borer	1 3/8	

AGREED  
with COMMENTS  
10/2/54  
SEP 16 1954  
Order the Guthion...  
Pamphlet...

AGREED  
with COMMENTS  
M. J. H. Haver

SEP 16 1977

Under the Federal Insecticide, Fungicide, and Rodenticide Act

3125-379

## GUTHION 35% Wettable Powder PVA Insecticide

## RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
FRUIT (Cont'd)			
Black-berries Boysen-berries Logan-berries Rasp-berries	Leafhoppers		Apply specified dosage per acre to foliage using approximately 200 gallons of water for good coverage. Repeat as necessary but not within 14 days of harvest.
	Leaf rollers	5/8	
	Leaf miners	7/8	
	Aphids	7/8 to 1 3/8	
	Obscure root weevil	1 3/8	For control of root weevils and borers prior to harvest apply specified dosage per acre to lower portion of canes and to the soil beneath the plants using approximately 200 gallons of water. Do not apply more than twice per season. Do not make applications within 3 days of harvest at rates up to 2 7/8 pounds per acre. Rates above 2 7/8 pounds per acre should be applied only before fruit set or after crop is harvested.
	Raspberry crown (root) borer	2 7/8 to 5 5/8	
	Obscure root weevil	1 3/8	
Blue-berries (Eastern and North Central States only)	Blueberry maggot Fruitworms Lecanium scale Plum curculio	1 3/8 to 2 1/8	Apply specified dosage per acre using approximately 200 gallons of water for good coverage. Repeat as necessary but not more than 4 times per season nor within 3 days of harvest. If multiple late season applications of dust formulations of GUTHION are to be made for blueberry maggot control, then do not make more than two spray applications of GUTHION per season with the last spray no later than June 15.
Cran-berries	Cranberry fruitworm <u>Sparganothis sulfureana</u> Tipworm	1 3/8 to 2 7/8	Apply specified dosage per acre using approximately 200 gallons of water for good coverage. Repeat as necessary. Do not apply within 21 days of harvest.
	Fireworms	2 7/8	

## GUTHION 35% Wettable Powder PVA Insecticide

## RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
Citrus Fruits	Aphids Black scale Brown soft 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 Snow scale Western tussock moth Whiteflies	5/8 to 1	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 2000 gallons of finished spray per acre. 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.
	California red scale Texas citrus mite Yellow scale	1	Do not graze livestock in treated orchards or groves for 21 days after treatment. Citrus pulp may be used for feed for cattle, sheep, and goats. Consult your State Cooperative Agricultural Extension Service for more restrictive warnings or limitations.
Grapes	Grape berry moth Grape bud beetle (Except California) Grape cane girdlers Grape mealybug Leafhoppers Mites Red-banded leaf roller Thrips	5/8 to 1 3/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 300 gallons of finished spray per acre. Repeat as necessary but not more than 3 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 1 pound require a 10-day interval to harvest and above 1 pound a 28-day interval to harvest.
Straw- berries	Aphids Meadow spittlebug Oblique-banded leaf roller Obscure root weevil Omnivorous leaf tier Pea leaf weevil Small black (grass) weevil Strawberry leaf rollers Whitefly	1 3/8	Apply specified dosage in 200 gallons of water per acre as a full coverage spray*. Repeat as necessary. Do not apply within 5 days of harvest.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 16 1987

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



GUTHION 35% Wettable Powder PVA Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
<u>NUTS</u>			
Almonds	Peach twig borer	1 to 1 3/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 500 gallons of finished spray per acre. Do not apply more than twice per season nor within 60 days of harvest. Allow 30 days between applications.
Filberts (Pacific North- west Only)	Apple mealybug Filbertworm Filbert aphid Filbert leaf roller	5/8 to 2 1/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1000 gallons of finished spray per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not graze livestock in treated groves for 21 days after treatment.
Pecans	Aphids Fall webworm Hickory shuckworm Leaf miners May beetles Mites Pecan casebearer Southern green stink bug Spittlebugs Twig girdlers Walnut caterpillars	1 to 1 1/2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1800 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Where more than 16 pounds of GUTHION 35% Wettable Powder are applied per acre in a single application do not graze livestock in treated groves. Where 16 pounds or less of GUTHION 35% WP are applied per acre, livestock may be grazed in treated groves after a 21-day post-treatment interval.
Walnuts	Codling moth Filbertworm Navel orangeworm	1 to 2 5/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1100 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.

GUTHION 35% Wettable Powder PVA Insecticide

RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
<u>VEGETABLES</u>			
Artichokes	Plume moth	4 1/4	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 30 days of harvest. Do not feed or ensile treated forage.
Beans (Dry & Snap)	Leaf rollers Mites	5/8 to 1 3/8	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply to snap beans within 7 days of harvest nor to dry beans within 30 days of harvest. Do not exceed 4 applications on dry beans. Do not feed or ensile treated forage.
	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf miners Stink bugs Velvet bean caterpillar	1 to 1 3/8	
	Mexican bean beetle Spotted cucumber beetle Striped cucumber beetle Tarnished plant bug Western-striped cucumber beetle	1 3/8	
Broccoli Brussels Sprouts Cabbage (Includes tight heading varieties of Chinese cabbage) Cauliflower	Aphids Cabbage looper Diamondback moth Imported cabbageworm	1 3/8 to 2 1/8	Apply specified dosage per acre in sufficient water for complete coverage. 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.
	Cabbage maggot	1/4 to 1/2	Mix specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant at or immediately after transplanting.
	Cabbage maggot (Direct seeded fields in California only)	2 1/8	Apply specified dosage per acre in sufficient water for uniform distribution. Mix in upper 2 inches of soil prior to seeding or spray in the seed row at planting time. Usually 2 to 3 additional sprays are necessary during the growing season, depending on time of year and maggot population. Do not apply within 21 days of harvest.
	Cabbage maggot (Transplant fields in California only)	2 1/8	Apply specified dosage in 300 to 400 gallons of water per acre as a soil drench in rows when damage first appears. Additional applications may be necessary. Do not apply within 21 days of harvest.

ACR-722  
with COMMENTS  
in 1974 under Regd.

SEP 16 1987

Under the Federal Insecticide, Fungicide, and Plant Disease Act as amended, the above product is registered under...

3625-379

120

GUTHION 35% Wettable Powder PVA Insecticide

RECOMMENDED APPLICATIONS (Cont'd)

CROP	INSECT	Pounds GUTHION 35% WP	REMARKS
VEGETABLES (Cont'd)			
Celery	Aphids	1 3/8	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 200 gallons of finished spray per acre. Repeat as necessary but not within 14 days of harvest.
	Leaf miners		
	Leafhoppers		
	Spittlebug		
	Tarnished plant bug		
Blackeyed peas	Corn earworm	2 1/8 to	Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 4 times per season nor within 7 days of harvest. Do not use vines for feed or forage nor pasture treated areas.
	Cowpea curculio	2 7/8	
(South- ern peas, Crowder peas)	Leaf miners	1 to 1 3/8	
	Stink bugs		
Cucumbers	Spotted cucumber beetle	1 3/8	Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 3 times per season nor within 6 days of harvest.
	Striped cucumber beetle		
	Western-striped cucumber beetle		
Eggplant	Leaf miners	1 to 1 3/8	Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary. Do not apply after fruit set.
	European corn borer	1 3/8	
	Flea beetles		
Onions (Green & Dry)	Thrips	1 3/8 to 2 1/8	Apply specified dosage per acre in sufficient water to give complete coverage. Do not apply more than 3 times per season nor within 28 days of harvest of dry onions or 7 days of harvest of green onions.
Peppers	Leaf miners	1 to 1 3/8	Apply specified dosage per acre in sufficient 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.
	European corn borer	1 3/8	
	Flea beetles		
Potatoes	Colorado potato beetle	1	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 7 days of harvest.
	Banded cucumber beetle	1 to 1 3/8	
	Leaf miners		
	European corn borer	1 3/8 to	
	Flea beetle	2 1/8	
	Leafhoppers		
	Spittlebugs		
Tarnished plant bug			
	Tuberworm	1 1/2 to 2 1/8	

7-2/2  
DELETED - BEANS, PEAS, SUMMER SQUASH, WINTER SQUASH, WATERMELON, PUMPKINS, CELERY, LETTUCE & STRAWBERRIES

#### REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not allow persons to enter treated areas within 4 days following application unless a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet and chemically resistant gloves are worn. Conspicuously post reentry information at site of application.

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

#### DIRECTIONS

Mixers/loaders when mixing and loading this product must wear a long sleeved shirt and long pants or a coverall that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, goggles or a face shield and a chemically resistant apron.

Fieldworkers and harvesters must wear chemical resistant gloves if entering treated areas within 4 days following application. Leather or fabric gloves are not acceptable.

A dust mask must be worn when mixing and loading this product. During application only, from a tractor with a completely enclosed cab or from an aircraft with an enclosed cockpit a long sleeved shirt and long legged pants must be worn. Chemically resistant gloves must be available in the cab or cockpit and worn while exiting.

AFTER WORK: Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with captan must be destroyed according to state and local regulations.

This product is formulated for application by ground or air equipment.

ALMONDS: Brown Rot, Twig and Blossom Blight, Shot-hole, Scab, Leaf Blight — Use 50 lbs. per acre. Apply at popcorn, bloom and petal fall stages, 5 weeks after petal fall and 30 days to harvest. Hulls may be fed to livestock. Subsequent applications may be made up to 12 days of harvest in accordance with pest infestations and State Agricultural Extension Service recommendations, provided the hulls are not fed to dairy animals or animals being finished for slaughter.

APPLES: Apple Scab, Brooks Fruit Spot, Flyspecking, Bitter Rot, Black Rot, Botryospheria, Black Pox—Use 30 to 50 lbs. per acre. Make first application at delayed dormant period. Repeat applications for each infection period or at weekly intervals as long as necessary. CAUTION — Do not use in combination with or closely following or in alternation with wettable sulfur products

on sulfur sensitive varieties of apples such as Red Delicious, Stayman, Baldwin, King etc., as severe injury and defoliation may occur.

CANTALOUPE, CUCUMBERS: Angular Leaf Spot, Anthracnose — Use 25 to 30 lbs. per acre on young plants, increasing to 40 to 50 lbs. per acre on mature plants. Begin applications at first signs of infection and repeat at 5 to 7 day intervals or as needed to maintain control.

GRAPES, RAISINS: Mold Control on Fruit on Drying Trays in Field — *Penicillium* spp., *Aspergillus* spp., *Botrytis Cinerea*, *Rhizopus* spp.—Use 20 lbs per acre. Apply to fruit on trays for protection of fruit and prevention of above molds. Apply to give even coverage. Repeat as necessary. Apply by ground or air. If applied by plane increase to 30 lbs. per acre.

ORNAMENTALS: ROSES — Black Spot, CARNATIONS — Rust and Leaf Spot, CHRYSANTHEMUMS—Flower Blight—Apply at first sign of disease to give even coverage of upper and lower leaf surfaces. Repeat at 7 to 10-day intervals as necessary.

PEARS: Pear Scab (except Northwest)—Use 20 to 50 lbs. per acre. Make first applications during early finger and petal fall stages. Repeat applications for each infection period or at weekly intervals as long as necessary. Rusting may be produced on Bosc Pears. Do not use on D'Anjou Pears.

POTATOES (Seed Pieces): Damp Off—Dust at 15 ounces per bushel cut seed pieces (24 ozs. or 1½ lbs. to 100 lbs. cut seed pieces). Apply in convenient container or by duster attachment over belt. Cut pieces should be treated within 6 hours of cutting. If planting is to be delayed more than 1 or 2 days the treated pieces should be stored for 2 days in open crates before bagging. Do not use treated seed for food or feed purposes.

SOIL AND GREENHOUSE BENCH TREATMENT: Preplanting for Damp Off and Root Rot Diseases on Seedlings or Transplants of Roses (and other shrubs and trees). Many Flowers and Lawn Seedbeds — 2.3 to 2.75 lbs. per 1000 sq. ft. (100 to 120 lbs. per acre). Work into upper 3 to 4 inches of soil before planting. Only the applicator is permitted to be in the greenhouse during application of captan. Open vents to greenhouse during application and for at least 1 hour after application. Workers planting in captan treated soil in greenhouses must wear chemical resistant gloves.

STRAWBERRIES: Botrytis Rot—Use 40 to 50 lbs. per acre. Make first application when new growth starts in spring before fruit starts to form. Repeat applications weekly. Severe Infection Conditions—Continue applications through harvest period, treating immediately after each picking.

TOMATOES: Early Blight, Late Blight, Anthracnose, Septoria Leaf Spot — Young Plants — Use 25 to 35 lbs. per acre. Mature Plants — Use 40 to 50 lbs. per acre. Make applications at first sign of disease and continue at weekly intervals as necessary.

COMPATIBILITY: Do not use following oil sprays. Do not apply under conditions of storage, or other plantings thereof rendered unfit for use.

#### STORAGE

##### PROHIBITIONS

Do not contaminate water, food or cleaning of equipment. Open dumping is prohibited.

##### STORAGE

Keep pesticide in original container. Do not put concentrate or dilution in other containers. Do not store or transport near food, feed, or other material, call day or night for help with any spill, leak, or other emergency.

##### PESTICIDE DISPOSAL

Wastes resulting from the use of this product should be disposed of on site or at an approved disposal site.

##### CONTAINER DISPOSAL

Completely empty bag into reuse container. Dispose of empty container by incineration, or, if allowed by local authorities, by burning. If burned, do not breathe fumes.

CONDITIONS OF SALE: 1. Chevron warrants that this material conforms to the label and is reasonably safe for use as directed. Chevron neither makes, nor authorizes anyone to make, any other warranty, guarantee or representation concerning this material. 2. Critical and unforeseeable conditions may prevent it from eliminating all pests. Such risks include, but are not limited to, weather, plants and crops to which the material is applied, and damage to crops. Such risks occur even if the uses stated hereon are followed. Buyer and user assume all liability (except those assumed by Chevron) resulting from handling, storage, or use of this material.

BEST AVAILABLE COPY

\*This concentration is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of GUTHION 35% W.P. in the spray mixture in order to apply amount of GUTHION 35% W.P. per acre equivalent to a full coverage spray.

GUTHION 35% Wettable Powder PVA Insecticide

PROTECTIVE CLOTHING AND WORK SAFETY STATEMENTS

If handled indoors provide mechanical exhaust ventilation.

Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid section of the label.

For questions regarding further treatment, or information about the product, call the National Pesticide Telecommunications Network at 800-858-7378.

HANDLE THE CONCENTRATE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes, shoe coverings, or boots. Wear goggles or a face shield and a pesticide respirator approved by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part 11.

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING APPLICATION, EQUIPMENT REPAIR, EQUIPMENT CLEANING, DURING REENTRY TO TREATED AREAS, AND DISPOSAL OF THE PESTICIDE:

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves and chemical resistant shoes, shoe coverings, or boots. Wear a chemical resistant hat during airblast application.

During application from an enclosed tractor cab or airplane cockpit, or other suitable vehicle in which the windows are rolled up, long sleeved shirt and long pants may be worn in place of the above protective clothing. Chemical resistant gloves must be available in the cab or cockpit and must be worn while exiting. This clothing is inadequate to protect you during equipment repair, equipment cleaning, re-entry, or during pesticide disposal.

IMPORTANT! BEFORE REMOVING GLOVES, WASH THEM WITH SOAP AND WATER. ALWAYS WASH HANDS, FACE, AND ARMS WITH SOAP AND WATER BEFORE SMOKING, DRINKING, EATING OR TOILETING.

After work, take off all clothing and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with GUTHION azinphos-methyl must be destroyed according to state and local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

During aerial application, human flaggers are prohibited unless in totally enclosed vehicle.

ACQUIRED  
with GUTHION  
in 1984 from Pesticide

SEP 16 1987

Under the Federal Insecticide,  
Fungicide and Rodenticide Act  
is prohibited to use any pesticide  
not registered for use on the crop

3125-379

## GUTHION 35% Wettable Powder PVA Insecticide

ENDANGERED SPECIES RESTRICTIONS

The following restrictions apply to use of this product after February 1, 1988.

Before using this pesticide on wheat, soybeans, oats, barley and rye, in the counties listed below, you must obtain the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES for the county in which the product is to be used. The bulletin is available from your County Extension Agent, State Fish and Game Office, or your pesticide dealer. Use of this product in a manner inconsistent with the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES is a violation of Federal laws.

STATE	COUNTY
ALABAMA	COLBERT, GREENE, JACKSON, LAMAR, LAUDERDALE, LIMESTONE, MADISON, MARSHALL, MORGAN, PICKENS, AND SUMTER
ARIZONA	GRAHAM, MARICOPA, MOHAVE, PIMA, PINAL AND SANTA CRUZ
ARKANSAS	BENTON, CLAY, CLARK, CROSS, LAWRENCE, LEE, POINSETTE, POLK, RANDOLPH, SHARP AND ST. FRANCIS
CALIFORNIA	BUTTE, COLUSA, GLENN, IMPERIAL, KERN, MERCED, MODOC, INYO, LOS ANGELES, ORANGE, RIVERSIDE, SACRAMENTO, SAN BERNARDINO, SAN DIEGO, SANTA BARBARA, SOLANO, STANISLAUS, SUTTER, TEHEMA, YOLO AND VENTURA
FLORIDA	ALACHUA, BAKER, BRADFORD, BREVARD, BROWARD, CHARLOTTE, CITRUS, CLAY, COLLIER, COLUMBIA, DADE, DE SOTO, DIXIE, DUVAL, FLAGLER, GADSDEN, GILCHREST, GLADES, HARDEE, HENDRY, HERNANDO, HIGHLANDS, HILLSBOROUGH, INDIAN RIVER, JEFFERSON, LAFAYETTE, LAKE, LEE, LEON, LEVY, MADISON, MANATEE, MARION, MARTIN, MONROE, NASSAU, ORANGE, OKEECHOBEE, OSCEOLA, PALM BEACH, PASCO, PINELLAS, POLK, PUTNAM, ST. JOHNS, ST. LUCIE, SARASOTA, SEMINOLE, SUMTER, SUWANNEE, TAYLOR, UNION, VOLUSIA AND WAKULLA
GEORGIA	BRANTLEY, BRYAN, BULLOCH, BURKE, CAMDEN, CANDLER, CHARLTON, CHATHAM, EFFINGHAM, EMANUEL, EVANS, GLASCOCK, GLYNN, JEFFERSON, JENKINS, JOHNSON, LIBERTY, LONG, McINTOSH, PIERCE, RICHMOND, SCREVEN, WARE, WASHINGTON AND WAYNE
KANSAS	CLARK, COMANCHE, MEADE AND STAFFORD
KENTUCKY	BALLARD, BUTLER, EDMUNDSON, GREEN, HART, JACKSON, LAUREL, LIVINGSTON, MARSHALL, McCRACKEN, McCREARY, PULASKI, ROCKCASTLE, TAYLOR, WARREN AND WAYNE
MISSISSIPPI	CLAIBORNE, COPIAH, HINDS, ITAWAMBA, LOWNDES, MONROE AND NOXUBEE

GUTHION 35% Wettable Powder PVA Insecticide

ENDANGERED SPECIES RESTRICTIONS (Cont'd)

STATE	COUNTY
MISSOURI	BARRY, BENTON, CAMDEN, CHRISTIAN, DALLAS, GREENE, HICKORY, JASPER, LAWRENCE, MILLER, NEWTON, OSAGE, POLK, ST. CLAIR, STONE AND WEBSTER
MONTANA	GARFIELD, McCONE, SHERIDAN AND VALLEY
NEBRASKA	BOYD, BROWN, BUFFALO, BUTLER, CASS, CEDAR, COLFAX, DAWSON, DODGE, DOUGLAS, HALL, HAMILTON, HOLT, HOWARD, KEARNEY, KEYA PAHA, KNOX, MERRICK, NANCE, PHELPS, PLATTE, POLK, ROCK, SARPY AND SAUNDERS
NEVADA	CLARK
NEW MEXICO	CHAVES, DEBACA AND EDDY
NORTH CAROLINA	EDGEcombe, NASH AND PITT
NORTH DAKOTA	BENSON, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, KIDDER, LOGAN, McHENRY, McINTOSH, McKENZIE, McLEAN, MERCER, MORTON, MOUNTRAIL, NELSON, OLIVER, PIERCE, RAMSEY, RANVILLE, ROLETTE, SHERIDAN, SIOUX, STUTSMAN, TOWNER, WARD, WELLS AND WILLIAMS
OHIO	PICKAWAY
OKLAHOMA	DELAWARE, McCURTAIN AND PUSHMATAHA
OREGON	LAKE
SOUTH CAROLINA	AIKEN, BARNWELL, BEAUFORT, BERKELY, CHARLESTON, COLLETON, DORCHESTER, GEORGETOWN, HAMPTON, HORRY, JASPER AND MARION
SOUTH DAKOTA	CLAY, HAAKON, HUGHS, POTTER, STANLEY, SULLY, UNION, WALWORTH, YANKTON AND ZIEBACH
TENNESSEE	BEDFORD, BLOUNT, CLAIBORNE, DECATUR, FRANKLIN, HANCOCK, HARDIN, HAWKINS, HICKMAN, KNOX, LAWRENCE, LINCOLN, LOUDON, MARSHALL, MAURY, MEIGS, MONROE, RHEA, ROANE, SCOTT, SEQUATCHIE, SMITH, SULLIVAN, TROUSDALE AND WAYNE
TEXAS	ARANSAS, AUSTIN, BASTROP, BURLESON, CAMERON, COLORADO, COMAL, FORT BEND, GOLIAD, HARRIS, HAYS, JEFF DAVIS, PECOS, REEVES, REFUGIO AND VICTORIA
UTAH	UTAH AND WASHINGTON
VIRGINIA	LEE, RUSSELL, SCOTT, SMYTH, TAZEWell, WASHINGTON AND WISE

Under the Federal Insecticide, Fungicide, and Rodenticide Act, the use of this product is restricted to the following uses:

3125-37



GUTHION 35% Wettable Powder PVA Insecticide

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STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not use container in connection with food, feed, or drinking water. Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below freezing (32° F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store packets in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

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

GTO-6227.YLD

Base Pre-Reg (6227a)

LABELING FOR ONE POUND PVA PACKET

GUTHION<sup>®</sup>

35% Wettable Powder

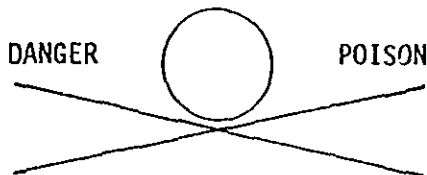
CROP INSECTICIDE

ACTIVE INGREDIENT:

0,0-Dimethyl S-[(4-oxo-1,2,3-benzotriazin  
-3(4H)-yl)methyl] phosphorodithioate ..... 35%

EPA File Symbol No. 3125-GTO

KEEP OUT OF REACH OF CHILDREN



(See Outer Package for Complete Use and Handling  
Directions and Precautions Including Antidote Statement)

NET WT. 1 3/8 POUND

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

SEP 16 1987

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the purpose of being  
registered under EPA E. P. A. No.

3125-379