

212425

DEC 22 1987

Mr. John S. Thornton
Mobay Corporation
Agricultural Chemical Division
P.O. Box 4913
Kansas City, MO 64120

Dear Mr. Thornton:

Subject: Revised Labels
Guthion® 25% Wettable Crop Insecticide
EPA Registration No. 3125-25
Your Amendment Application Dated July 1, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling change listed below before you release the product for shipment bearing the amended labeling:

- Change the 1-day harvest for cucumbers to 6-day preharvest interval.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

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

Enclosure

91822:I:Edwards:E-2:KENCO:12/4/87:12/10/87:lf:vo:ek:rw:

CONCURRENCES								
SYMBOL	ORIGINATOR							
SURNAME								
DATE								

OFFICIAL FILE COPY

25-6189.BLD

Base Reg. (618J)

U.S. LABEL-(S)

Reason to Issue: To revise in accordance with Reregistration Guidance Document for azinphos-methyl, EPA PR Notice 87-5, and current EPA labeling guidelines; to revise trademark acknowledgement statement and company signature.

Date of Draft: 6/25/87 (S)
Supersedes Drafts Dated: 10/25/82 and 10/16/86

EPA Reg. No. 3125-25

GU...ION

25% WETTABLE POWDER

CROP INSECTICIDE

FOR EFFECTIVE ECONOMICAL INSECT CONTROL

Store in a cool dry place

KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT:

O,O-Dimethyl S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate..... 25%

INERT INGREDIENTS:..... 75%
100%

DANGER

POISON



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

EPA Reg. No. 3125-25

EPA Est. 3125-MO-1

~~Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3125-25~~

DEC 22 1987

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

3125-25

PELIGRO

PRECAUTION 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.)

STOP - READ THE LABEL BEFORE USE

NET WEIGHT 5 POUNDS

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

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

GUTHION 25% Wettable Powder 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 25% Wettable Powder insecticide.

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 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: GUTHION 25% Wettable Powder insecticide mixes easily with water to form a suspension which is readily usable in all conventional ground spray equipment. Mix the required amount of GUTHION 25% Wettable Powder with a small quantity of water. Add this premix through the screen while filling the spray tank or fill the tank to the required level and add the premix. Operate the agitator while mixing.

DOSAGE: Use specified dosage of GUTHION 25% Wettable Powder in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

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.

RECOMMENDED APPLICATIONS

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
<u>FIELD CROPS</u>			
Alfalfa Clover (Including mixed stands with grasses, States east of the Mississippi River)	Leafhoppers Mites	1 to 2	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 or grazing at the rates of 1 to 1-1/2 pounds per acre or within 16 days at the rate of 2 pounds per acre. Do not apply rates above 2 pounds per acre within 21 days of harvest or grazing. Do not apply more than once per cutting at any rate.
	Alfalfa weevil Egyptian alfalfa weevil	1-1/2 to 3	
	Alfalfa plant bug Fleahoppers Grasshoppers Lygus bugs Spittlebug	2 to 3	

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
FIELD CROPS (Cont'd)			
Barley Oats Rye Wheat	Cereal leaf beetle	1 1/2 to 2	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.
Pasture Grasses (States east of the Mississippi River)	Grasshoppers Meadow spittlebugs (adult)	2 to 3	Apply specified dosage per acre using a minimum of 10 gallons of water per acre. Do not apply more than once per cutting. Do not graze or harvest within 16 days of application at the 2 pound rate or 21 days at rates above 2 pounds.
Soybeans	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf miners Leaf rollers Stink bugs Velvet bean caterpillar	1 1/2 to 2	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.
	Mexican bean beetle	2 to 3	
Tobacco	Aphids Grasshoppers Tobacco hornworm Tobacco flea beetle	2 to 3	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 6 days of harvest. Prime before treating.
	Tobacco budworm	3	

GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT		Pounds GUTHION 25% WP	REMARKS
FRUIT				
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 Mites Orange tortrix Pear psylla Plum curculio Putnam scale Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug	1 to 1-1/4	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 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 1 to 1-1/4 pounds followed by 2 applications at the 1 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.
Cherries	Eye-spotted bug moth Forbes scale Fruit flies Fruit tree leaf roller	Lesser peach tree borer Mites Plum curculio San Jose scale	1 to 2	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.
	Cherry leaf miner Mineola moth		1	
Apricots Nectarines 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 Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Terrapin scale Walnut scale White peach scale	1 to 1 1/4	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 1-1/2-pound rate for oriental fruit moth and peach twig borer on apricots, nectarines and peaches only before mid-season. For control of peach tree borer, apply 2 to 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.
Nectarines	Oriental fruit moth Peach twig borer		1 to 1-1/2	
	Thrips		1 to 1-1/4	
Plums Prunes	Aphids Eye-spotted bud moth	Peach twig borer Plum curculio (Continued)	1 to 2	(Remarks Continued)

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS	
FRUIT (Continued)				
Plums Prunes (Cont'd)	Forbes scale Fruit tree leaf roller Lesser peach tree borer Mites Orange tortrix Peach tree borer	Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Tussock moth	1 to 2	Do not use oils within 30 days of sulfur or lime-sulfur 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.
	American plum borer			
Black-berries Boysen-berries Logan-berries Rasp-berries	Leafhoppers	1	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	1		
	Leaf miners	1-1/4		
	Aphids	1-1/4 to 2		
	Obscure root weevil	2		
	Raspberry crown (root) borer	4 to 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 4 pounds per acre. Rates above 4 pounds per acre should be applied only before fruit set or after crop is harvested.	
	Obscure root weevil	2		
Blue-berries (Eastern and North Central States Only)	Blueberry maggot Fruitworms Lecanium scale Plum curculio	2 to 3	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 GUTHION dust formulations are to be made for blueberry maggot control, then do not make more than two GUTHION spray applications per season with the last spray no later than June 15.	

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
FRUIT (Cont'd)			
Cran-berries	Cranberry fruitworm <u>Sparganothis sulfureana</u> Tipworm	2 to 4	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		
Citrus Fruits	Aphids Black scale Brown soft scale Chaff scale Citricola scale Citrus mealybug Citrus rust mite Citrus thrips Cottony-cushion scale European brown scale Florida red scale Fruit, tree leaf roller Fuller rose beetle Glover scale Orange tortrix Purple scale Snow scale Western tussock moth Whiteflies	1 to 1-1/2	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 a pruning, within 7 days of treatment.
	California red scale Texas citrus mite Yellow scale		
Grapes	Grape berry moth Grape cane girdlers Grape mealybug Leafhoppers Mites Red-banded leaf roller Thrips	1 to 2	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 1-1/2 pounds require a 10-day interval to harvest and above 1-1/2 pounds 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	2	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.

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP NUTS	INSECT	Pounds GUTHION 25% WP	REMARKS
Almonds	Peach twig borer	1-1/2 to 2	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 Northwest Only)	Apple mealybug Filbertworm Filbert aphid Filbert leaf roller	1 to 3	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	1-1/2 to 2-1/4	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 22-1/2 pounds of GUTHION Wettable Powder are applied per acre in a single application do not graze livestock in treated groves. Where 22-1/2 pounds or less of GUTHION WP are applied per acre, livestock may be grazed in treated groves after a 21-day post-treatment interval.
Walnuts	Aphids Codling moth European red mite Filbertworm Navel orangeworm	1-1/2 to 3-3/4	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.

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
<u>VEGETABLES</u>			
Artichokes	Plume moth	6	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	1 to 2	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	1-1/2 to 2	
	Mexican bean beetle Spotted cucumber beetle Striped cucumber beetle Tarnished plant bug Western-striped cucumber beetle	2	
Broccoli Brussels Sprouts Cabbage Cauliflower	Aphids Cabbage looper Diamondback moth Imported cabbageworm	2 to 3	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	1/2 to 3/4	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)	3	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)	3	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.

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
VEGETABLES (Cont'd)			
Celery	Aphids Leaf miners Leafhoppers Spittlebug Tarnished plant bug	2	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.
	Corn earworm Cowpea curculio	3 to 4	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.
Blackeyed peas (Southern peas, Crowder peas)	Leaf miners Stink bugs	1-1/2 to 2	
Cucumbers	Spotted cucumber beetle Striped cucumber beetle Wester-striped cucumber beetle	2	Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than 3 times per season nor within 1 day of harvest.
	Leaf miners European corn borer Flea beetles	1-1/2 to 2 2	Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary. Do not apply after fruit set.
Eggplant	Thrips	2 to 3	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 European corn borer Flea beetles	1-1/2 to 2 2	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.
	Colorado potato beetle Banded cucumber beetle Leaf miners	1-1/2 1-1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 7 days of harvest.
Potatoes	Aphids European corn borer Flea beetle Leafhoppers Spittlebugs Tarnished plant bug	2 to 3	
		Tuberworm	2-1/4 to 3

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GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
VEGETABLES (Cont'd)			
Spinach	Aphids Leaf miners Mites	1-1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not apply within 14 days of harvest.
Tomatoes	Colorado potato beetle	1 1/2	Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. The high rates should be used where heavy infestations of late instar lepidopterous larvae (large worms) and pinworms are present. Rates of 3 pounds per acre or less may be applied up to day of harvest. Rates above 3 pounds per acre require an interval of 14 days between application and harvest.
	Banded cucumber beetle Drosophila Green stink bug Leaf miners Whitefly	1-1/2 to 2	
	Aphids European corn borer Flea beetles Grasshoppers Leafhoppers Thrips	2 to 3	
	Tuberworm	2-1/4 to 3	
	Corn earworm Fruitworm Hornworm Pinworm Yellow-striped armyworm	3 to 6	
MELONS			
Honeydew melons	Leafhoppers Leaf miners	1-1/2 to 2	Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary up to the day of harvest but not more than 4 times per season.
Muskmelons (Cantaloupe)	Rindworms	2	
Watermelons	Spotted cucumber beetle		
Other melons	Striped cucumber beetle Western-striped cucumber beetle		
ORNAMENTALS			
Ornamentals, Nursery Plants	Aphids Cerococcus scale Euonymus scale Juniper scale Lace bugs Leafhoppers Mites Olive scale Oystershell scale Pulvinaria scale Thrips	1-1/2 to 2	Apply specified dosage per 100 gallons of water (4 level teaspoonfuls per gallon). Spray all foliage surfaces including the underside of leaves for complete coverage. For control of black pine leaf, brown soft, European elm, and Putnam scales, use 3 level tablespoonfuls per gallon. Repeat as necessary.
	Brown soft scale Putnam scale	4	
	Black pine leaf scale European elm scale	3 to 4	

GUTHION 25% Wettable Powder Insecticide

RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pounds GUTHION 25% WP	REMARKS
ORNAMENTALS (Cont'd) Ornamentals Nursery Plants (Continued)	Cone midge Cone moth	8 to 16	Apply specified dosage per 100 gallons of water. Time applications to coincide with moth flight when cones are open for pollination. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.
	European pine shoot moth Nantucket pine tip moth	1-1/2 to 3	Apply specified dosage per acre in sufficient water for good coverage. Time applications to coincide with moth flights. For application to individual trees use 2 level tablespoonfuls of GUTHION 25% Wettable Powder per gallon of water.
	Do not allow children or pets on treated area until material has been washed into soil and treated area is dry.		
Slash Pine	Coneworm Seedworm	6	Apply specified dosage per 100 gallons of water. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.

*This dosage of GUTHION 25% Wettable Powder is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of GUTHION in the spray mixture in order to apply amount of GUTHION per acre equivalent to a full coverage spray.

RESTRICTIONS

Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the greenhouse.

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, or 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 law.

GUTHION 25% Wettable Powder Insecticide

ENDANGERED SPECIES RESTRICTIONS

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, BERVARD, 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
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, KEA PAHA, KNOX, MERRICK, NANCE, PHELPS, PLATTE, POLK, ROCK, SARPY AND SAUNDERS

GUTHION 25% Wettable Powder Insecticide

ENDANGERED SPECIES RESTRICTIONS (Continued)

STATE	COUNTY
NEVADA	CLARK
NEW MEXICO	CHAVES, DEBACA AND EDDY
NORTH CAROLINA	EDGEcombe, NASH AND PITT
NORTH DAKOTA	BANSON, BOTTINEAU, BURKE, BURLEIGH, DIVIDE, DUNN, EDDY, EMMONS, FOSTER, KIDDER, LOGAN, MCHENRY, MCINTOSH, MCKENZIE, McCLEAN, 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, BERKLEY, 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, SEOUATCHIE, 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

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GUTHION 25% Wettable Powder Insecticide

ROTATIONAL CROPS STATEMENT

Do not plant root crops other than those with registered azinphos-methyl uses in azinphos-methyl treated soil sooner than 6 months after the last application. Do not plant any other crop other than those with registered azinphos-methyl uses in treated soil sooner than 30 days after last application.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

D A N G E R ○ P O I S O N



Poisonous if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on skin. Do not breathe dust or spray mist. Spray operator should work to windward to stay out of drift or mist.

When loading spray tank or handling the powder at any other time, wear protective clothing, natural rubber gloves and goggles. For protection against GUTHION, when handling the powder, wear a pesticide mask or respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Do not contaminate feed or foodstuffs. Keep out of reach of children and domestic animals. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. 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.

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

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning call a physician or Poison Control Center immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. professional medical assistance should be secured immediately. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.

TO PHYSICIAN:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

GUTHION 25% Wettable Powder Insecticide

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife.

Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

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.

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.

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GUTHION 25% Wettable Powder Insecticide

PROTECTIVE CLOTHING AND WORK SAFETY STATEMENTS (Continued)

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.

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 bag into application equipment. Then dispose of empty bag 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. Store 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.