# and only for those uses covered by the Certified Applicator's certification. Emulsifiable Insecticide

For retail sale to and use only by Certified Applicators or persons under their direct supervision

#### For effective economical insect control.

**ACTIVE INGREDIENTS:** O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodi-EPA Reg. No. 3125-102 EPA Est. 3125-MO-1

Contains 2 lbs. O, O-Dimethyl S-[(4-ox0-1,2,3benzotrjazin-3(4H)-yl)methyl] phosphorodithioate per gallon.

**STOP**—Read the label before use.

## DANGER POISON



Keep out of reach of children.

(See side panel for antidote and danger statements)

#### **Net Contents 50 Gallons**



Chemagro Agricultural Division Mobay Chemical Corporation Box 4913, Kansas City, Missouri 64120 Do not store below 55°F. Protect from heat. Keep away from open flame. Do not heat.

#### Aviso.

AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le hava 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.)

#### Directions for use.

FOR COMPLETE DIRECTIONS FOR USE REFER TO SUPPLEMENTAL LABELING ACCOMPANYING THIS CONTAINER.

IMPORTANT: Read these entire Directions and Conditions of Sale before using GUTHION 2L emulsitiable 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 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 the crop to which the product is applied, other crops, animals, man, or the environment. Chemagro and the seller offer, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or fail-

ure to follow label directions are beyond the control of Chemagro and are, therefore, the responsibility of the buyer.

#### Restrictions.

RESTRICTED USE PESTICIDE

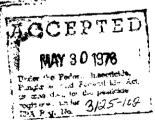
Do not use on other crops used for food or forage. Use only according to label directions, Application at rates above those shown may result in illegal crop residues. Do not graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the

Highly toxic to fish and wildlife. Do not contaminate any body of water nor apply to any area not specified on the label.

#### Container Disposal.

DO NOT REUSE THE CONTAINER-Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies. Rinse empty drum by filling with water and add 1 cup of household lye to each 5 gallons of water. Bury rinse solution at least 18 inches deep in an isolated area away from water supply. Punch holes in the top and bottom of the can, crush the can, and bury deeply in an isolated location.

Do not use container in any connection with feed, food, and drinking water, ...





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

When loading spray tank or handling the concentrate at any other time, wear protective clothing, natural rubber gloves, and goggles. A mask or respirator recommended by the U.S. Bureau of Mines for protection against GUTHION should also be worn when handling the concentrate.

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

SYMPTOMS OF POISONING: A sense of "tightness" in the chest, Sweating, Contacted pup is. Stomach pains. Vomiting and diarrhea.

TREATMENT: In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, administer milk or 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 30 minutes, administer second dose. If syrup of ipecac is not available, induce vorniting by sticking finger down throat. Repeat unti vomit fluid is clear. 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 con aminated, 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 is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH,

909087

110 164

### RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# Guthion 2L

909417

877120

## Emulsifiable Insecticide for effective economical insect control.

#### AVISO.

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.)

#### **ACTIVE INGREDIENTS:**

O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3 (4H)-yl)methyl] phosphorodithioate 22.2% Aromatic Petroleum Distillate 67.8% INERT INGREDIENTS: 10.0% 100.0% EPA Reg. No. 3125-102

Contains 2 lbs. *O,O-*Dimethyl *S-*[(4-oxo-1,2,3-benzotri-azin-3(4H)-yl)methyl] phosphorodithioate per gallon.

STOP-Read the label before use.

Do not store below 55°F.

Protect from heat. Keep away from open flame. Do not heat.







**POISON** 

Keep out of reach of children.

(See back side for antidote and danger statements)



Chemagro Agricultural Division Mobay Chemical Corporation Box 4913, Kansas City, Missouri 64120

#### **DIRECTIONS FOR USE**

IMPORTANT: Read these entire Directions and Conditions of Sale before using GUTHION 2L emulsifiable 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 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 the crop to which the product is applied, other crops, animals, man, or the environment. Chemagro and the seller offer, 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 Chemagro and are, therefore, the responsibility of the buyer.

#### MIXING:

GUTHION 2L emulsifiable insecticide forms an emulsion when diluted with water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To mix with water, pour the required amount of GUTHION 2L into full amount of water and then agitate. GUTHION 2L may also be applied undiluted as an ultra-low volume spray with either ground or aircraft equipment that has been adapted and calibrated for ultra-low volume spraying as described below under "Recommended Applications" for those crops specified.

#### DOSAGE:

Use specified dosage of GUTHION 2L 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 Extension Service or Experiment Station for specific use information in your area.

CROP	INSECT	Pints GUTHION 2L	REMARKS
FIELD CROPS			
Attalta Clover	Alfalfa weevil	1 to 3	Apply specified dosage per acre using a minimum of 10 gallons of water per acre when applying with
	Leafhoppers Mites	1 to 2	ground equipment, and a minimum of 5 gallons per acre for aerial applications for alfalfa weevils and at least 1 gallon per acre for the other insects
	Egyptian alfalfa weevil	1 ½ to 3	listed. 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
	Alfaffa plant bug Fleahopper Grasshoppers Lygus bugs Spittlebug	2 to 3	anian weevil or Egyptian aliana weevil with ground equipment.  Apply twice per cutting at the 1 pint rate at intervals of 10 to 11 days. Do not apply more than twice per cutting at rates above 1 pint per acre. Do not apply within 14 days of harvest at the rates of 1 to 1½ pints per acre or within 16 days at the rate of 2 pints per acre. Do not apply rates above 2 pints per acre within 21 days of harvest.
Cotton (Conven-	Boll weevil	½ to 1	Apply specified dosage per acre by air or ground equipment in at least 1 gallon of water. For early
(Conven- tional or Low Volume Spray)	Brown cotton leafworm Cotton fleahopper Cotton leafworm Lygus bugs Thrips	1	season control of bollworm and pink bollworm use 2 to 3 pints and for mid-to-late season applications use 3 to 4 pints. Repeat as necessary. Do not apply within 1 day of picking. Cotton receiving late season applications should not be pastured and gin trash from this cotton should not be fed.
	Rapid plant bug Tarnished plant bug	1 to 2	
	Stink bug	2	
	Ballworm Pink bollworm	2 to 4	
Cotton''' (Ultra Low Volume Spray)	Bott weevil	₹2 to 1	GUTHION 2L may be used undiluted in any ground or aerial spray equipment that has been adapted and calibrated for ultra-low volume spraying. Spray machines must be equipped with accepted low volume devices that will produce droplets within the range of 30 to 100 microns in size. ULV aerial applications should be made at altitudes of 10 to 20 feet. Repeat applications as necessary but not within 2 days of hand picking. Cotton may be machine harvested anytime after application. Do not graze livestock in treated areas. Do not feed gin trash to livestock. (Cont. next column)

CROP	INSECT	Pints GUTHION 2L	REMARKS
(Cont.) Cotton:11 (Ultra Low	Boll weevil	½ to 1	Early and Mid-season control: Apply specified dosage per acre in accordance with local recommendations.
Volume Spray)		1	Diapause Weevil Control: The one pint per acre fate only is recommended for control of diapausing boll weevils. Schedule applications in accordance with local recommendations.
Barley Oats Rye Wheat	Cereal leaf beetle	1½ to 2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than once per season. Do not harves for food, feed, forage or graze within 30 days of treatment.
Soy- beans	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf rollers Stink bugs Velvet bean caterpillar	1½ to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Re peat as necessary. Do not apply within 45 days o harvest. Do not graze or feed treated vines to live stock.
	Mexican bean beetle	2 to 3	
Sugarcane (Conventional Spray) (Florida, Louisiana and Texas only)	Sugarcane borer	3	Apply specified dosage per acre by air application using a minimum of 2 gallons of water per acre. For best results applications should be made at approximately cane top level and not more than 10 feet above cane top level. Do not apply more than 5 times per season nor within 30 days of harvest. Bagasse from sugarcane treated with GUTHION may be used for feed of cattle, goats, and sheep. Consult your State Agricultural Extension Service or Experiment Station for specific use information.
Sugar- cane" (Uffra Low Voiume Spray) (Florida, Louisi- ana and Texas only)	Sugarcane borer	3	Apply specified dosage per acre undituted. GUTHION 2L may be used undituted in any aerial spray equipment that has been adapted and cainbrated for ultra low volume spraying. Planes must be equipped with accepted low volume devices that will produce droplets within the range of 30 to 100 microns in size. For best results applications should be made at approximately cane top level and not more than 10 feet above cane top level. Do not apply more than 5 times per season nor within 30 days of harvest. Bagasse from sugarcane treated with GUTHION may be used for feed of cattle, sheep and goats. Consult your State Agricultural Extension Service or Experiment Station for specific use information.
Tobacco	Aphids Grasshoppers Tobacco hornworm Tobacco flea <del>bee</del> tle	2 to 3	Apply specified dosage per acre by air or ground equipment in sufficient water for complete cover age but not less than 1 gallon per acre. Treat for hornworms as soon as egg masses or worms are
	Tobacco budworm	3	first found. Repeat as necessary but not within days of harvest. Prime before treating.
Apricots Nectarines Peaches	Aphids Platynota Cottony peach scale European fruit lecanium scale Forbes scale Lesser peach tree borer Stink bug Mites Tamished plant bug borer Terrapin scale Watnut scale White peach scale	1 to 1¼	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 neces sary. 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 1½-pint rate for oriental fruit moth or peach twig borer on apricots nectarines and peaches only before mid-season 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. NOTE: It is suggested that when treat in a post-ring development.
	Oriental fruit moth Peach twig borer	1 to 11/2	ing nectarines during bloom period, beekeepers should be warned well in advance to remove hive: a safe distance from orchards to be treated.
Nectar- ines	Thrips	1 to 1¼	
Plums Prunes	Aphids Peach twig Eye-spotted borer bud moth Plum curculio Forbes scale Red-banded Fruit tree leaf roller San Jose scale Lesser peach tree borer Tarmished plant Mites bug Orange tortrix Tussock moth	1 to 2	

Black- berries	Leafhoppers Leaf rollers	1	Apply specified dosage per acre to foliage usin approximately 200 gallons of water for good cover age. Where ground conditions dictate an air application of GUTHION 2L, use specified rate in
Boysen- berries Logan-	Leaf miners	11/4	
berries Rasp-	Aphids	1¼ to 2	minimum of 1 gallon of water per acre. Repeat as necessary but not within 14 days of harvest.
berries	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 lowe
	Obscure root weevil	2	portion of canes and to the soil beneath the plant using approximately 200 gallons of water. Do not mak apply more than twice per season. Do not mak applications within 3 days of harvest at rates up t 4 pints per acre. Rates above 4 pints per acreshould be applied only before fruit set or after cro is harvested.
Blue- berries (Eastern & 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 Where ground conditions dictate an air application of GUTHION 2L use specified rate in a minimum of 1 gallon of water per acre. 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 containing GUTHION are to be made for blueberry maggot control, then do not make more than two spray applications of GUTHION 2L per season with the last spray no later than June 15.
Cran- berries	Cranberry truitworm Sparganothis sulfureana Tipworm	2 to 4	Apply specified dosage per acre using appl mately 200 gallons of water for good cover where ground conditions dictate an air a cation of GUTHION 2L use specified rate
	Fireworms	4	minimum of 1 gallon of water per acre. Repea as necessary. Do not apply within 21 days of harvest.
Cherries	Eye-spotted bud 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 wate as a full coverage spray" using not more than 800 gallons of finished spray per acre. Repeat at necessary. Do not apply more than 8 times per season nor within 15 days of har
J	Cherry leaf miner Mineola-moth	1	

"Note: This formulation, when used undiluted amay cause spotting of automobile finishes if prolonged ecosure is permitted. Do not upray directly over automobiles, if accidental exposure does occur, automobiles should be washed immediately.

CROP	INSECT	Pints GUTHION 2L	HEMAHAS
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	1 to 1½	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 be year may be speized up to within 7 days of picking. Where 2 applications are required, the second spray should not be applied within 28 days of earvest. On 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	1½	
Grapes	Grape berry moth Grape cane girdlers Grape mealybug Leathoppers 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 1½ pints require a 10-day interval to harvest and above 1½ pints a 28-day interval to harvest.
Straw- berries	Aphids Meadow spittlebug Oblique-banded leaf roller Omniverous leaf tier Obscure root weevil 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*. Where ground conditions dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary. Do not apply within 5 days of harvest.
Almonds	Peach twig borer	1½ 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.
Fitberts (Pacific Northwest Only)	Apple mealybug Filbert aphid Filbert leaf roller Filbertworm	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 Spittlebug Twig girdlers Walnut caterpillar	1½ to 2¼	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 22½ pints of GUTHION 2L are applied per acre in a single application do not graze livestock in treated groves. Where 22½ pints or less of GUTHION 2L are applied per acre livestock may be grazed in treated groves after a 21-day post-treatment interval.
Walnuts	Codling moth Filbertworm	1½ to 3¾	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.

GETABLES } Artichokes	Plum moth	6	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not feed or ensile treated forage.
Beans (Snap & Dried)	Leaf rollers Mites	1 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete
	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf miners Stink bugs Velvet bean caterpillar	1½ to 2	coverage but not less than 1 gallon per acre Repeat as necessary. Do not apply to snap bean within 7 days of harvest nor to dry beans within 3 days of harvest. Do not exceed 4 applications of dry beans. Do not feed or ensile treated forage
	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 but not less than 1 gallon per acre. 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	₹2	Mix specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant immediately after transplanting.
	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 the rows when damage first appears. Additional applications may be necessary. Do not apply within 21 days of harvest.
	Cabbage maggot (Direct Seeded Fields in California only)	3	Apply specified dosage per acre in sufficient water for uniform distribution. Mix in the 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 upon time of year and maggot population. Do not apply within 21 days of harvest.
Celery	Aphids Leaf miners Leafhoppers Spittlebugs 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.
Blackeyed peas	Corn earworm Cowpea curculio	3 to 4	Apply specified dosage per acre by air or group equipment in sufficient water for complete con
(Southern peas, Crowder peas)	Leaf miners Stink bugs	1½ to 2	age but not less than 1 gallon per acre. 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.
Cucumbers	Spotted cucumber beetle Striped cucumber beetle Western-striped cucumber beetle	2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than 3 times per season nor within 1 day of harvest.
Eggplant	Leaf miners	1½ to 2	Apply specified dosage per acre by air or ground
_	European corn borer Flea beetles	2	equipment in sufficient water to give complete cov- erage but not less than 1 gallon per acre. Repeat as necessary. Do not apply after fruit set.
Onions (Green & Dry)	Thrips	2 to 3	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1, gallon per acre. Do no apply mare than 3 times per season no, within 28 days of *anyest of dry onlives or 7 days of harvest of green onlives."
Peppers	Leaf miners	1½ to 2	Apply specified dosage per acre by air or ground
	European corn borer Flea beetles	2	equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. A maximum of 4 treatments may be more use to within 3 days of harvest. Where thore than 4 applications are required; of not apply last spray within 14 days of harvest.

٠ ٩

CROP	INSECT	Pints GUTHION 2L	REMARKS
Potatoes	Colorado potato beetle	11/2	Apply specified dosage per acre by air or grouequipment is sufficient water for complete coage but not less than 1 gallon per acre. Repeat
	Banded cucumber beetle Leaf miners	1½ to 2	necessary. Do not apply within 7 days of harvest.
	European corn borer Flea beette Leafhoppers Spittlebugs Tarnished plant bug	2 to 3	
	Tuberworm	21/4 to 3	
Spinach	Aphids Leaf miners Mites	1½ to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.
Tomatoes	Colorado potato beetle	11/2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre.
	Banded cucumber beetle Drosophila Green stink bug Leaf miners Whitefly	1½ to 2	coverage but not less than 1 gailon per a Repeat as necessary. The high rates should used where heavy infestations of late in lepidopterous larvae (large worms) and pinwo are present. Rates of 3 pints per acre or may be applied up to day of harvest. F above 3 pints per acre require an interval 14 days between application and harvest.
	Aphids European corn borer Flea beetles Grasshoppers Leafhoppers Thrips	2 to 3	
ļ	Tuberworm	21/4 to 3	
	Corn earworm Fruitworm Hornworm Pinworm Yellow-striped armyworm	3 to 6	:
MELONS Honeydew Melons	Leafhoppers Leaf miners	1½ to 2	Apply specified dosage per acre by air or gro equipment in sufficient water to give comp coverage but not less than 1 gallon per a Repeat as necessary up to the day of har but not more than 4 times per season.
Musk- melons (Canta- loupe) Water- melons Other melons	Rindworms Spotted cubumber beetle Striped cucumber beetle Western-striped cucumber beetle	2	

dicional city	Commence of the Commence of th	at the color	
MENTALS Orna- mentals Nursery Plants Forest & Shade Trees	Aphids Cerococcus scale Euonymus scale Juniper scale Lace bugs Leathoppers Mites Olive scale Oystershell scale Putvinaria scale Thrips	1 1/2 10 2	Apply specified dosage per 100 gallons of wa (2 teaspoonfuls per gallon). Spray all foli surfaces including the underside of leaves complete coverage. For control of black p leaf, brown soft, European elm, and Putn scales, use 1 tablespoonful per gallon. Rep as necessary.
	Brown soft scale Putnam scale	4	
	European elm scale Black pine leaf scale	3 to 4	
	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	1½ 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 1 tablespoonful of GUTHION 2L per gallon of water.
	Injury to hawthorn or American linden may occur under some conditions. Do not allow children or pets on treated area until material has been washed into the soil and treated area is dry.		
Southern Pine Seed Orchards	Coneworm Seedwarm	See Remarks	Use 6 pints per 100 gallons of water (0.2% dilution) for high volume sprayers or 3 pints per 10 gallons of water (11% dilution) for low volume sprayers. Apply first application within 30 days following concelet closure, followed by 3 to 5 applications (at least 30 days apart). Apply approximately 5 to 10 gallons of the 0.2% dilution with high volume sprayers or approximately 1 to 2 gallons of the 1% dilution with low volume sprayers per tree. Thorough coverage of cones is necessary for maximum control.
*This concentr	ation is calculated for conventional	hydraulic-tyne :	sprayers. When lower volumes of spray are applied

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 2L in the spray mixture in order to apply amount of GUTHION 2L per acre equivalent to a full coverage spray. Where conditions dictate an air application, apply dosage per acre equivalent to a full coverage ground spray in not less than one gallon of water per acre.

#### 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 graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the greenhouse.

Highly toxic to fish and wildlife. Do not

contaminate any body of water nor apply to any area not specified on the label.

#### CONTAINER DISPOSAL.

### DO NOT REUSE THE CONTAINER-

Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies. Rinse empty drum by filling with water and add 1 cup of household iye to each 5 gallons of water. Bury rinse solution at least 18 inches deep in an isolated area away from water supply. Punch holes in the top and bottom of can, crush the can, and bury deeply in an isolated location.

Do not use container in any connection with feed, food, and drinking water.

#### **DANGER**



#### POISON

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

When loading spray tank or handling the concentrate at any other time, wear protective clothing, natural rubber gloves, and goggles. A mask or respirator recommended by the U.S. Bureau of Mines for protection against GUTHION should also be worn when handling the concentrate.

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.

TREATMENT: In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, administer milk or 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 30 minutes. administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. 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 is a Reg. TM of the Parent Company of Farbentabriken Bayer GmbH. Leverkusen.