



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

~~CONFIDENTIAL~~

**Karen S. Cain
MILES INC.
AGRICULTURE DIVISION
8400 HAWTHORN ROAD BOX 4913
KANSAS CITY, MO. 64120**

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 07/14/93 In Response to PR Notice 93-7
EPA Reg. No. 3125-338
GUTHION 3 FLOWABLE INSECTICIDE**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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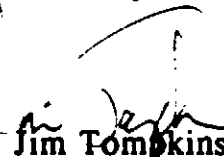
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

GUTHION 3 Flowable Insecticide

338-7897.YLD

U.S. LABEL

Base Pre-Reg (7897)

3 of 3

Reason to Issue: To revise in accordance with Worker Protection Standard, PR Notice 93-7.

Date of Draft: 07/07/93(Pre-Reg)(C)

RESTRICTED USE PESTICIDE

Due to Acute Toxicity

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 3 Flowable
INSECTICIDE**

FOR EFFECTIVE ECONOMICAL INSECT CONTROL

ACTIVE INGREDIENT:

<i>O,O</i> -Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4 <i>H</i>)-yl)methyl] phosphorodithioate	30%
INERT INGREDIENTS:	70%
	100%

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

EPA Reg. No. 3125-338
EPA Est. 3125-MO-1

Net Contents: ___ Gallons

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO



POISON

(See rear panel for Statements of Practical Treatments and Other Precautionary Statements)
PROTECT FROM HEAT. SHAKE WELL BEFORE USING.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

If you do not understand the label, find someone to explain it to you in detail.)

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

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ACCEPTED
with COMMENTS
In EPA Letter Dated

JUN 14 1994

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

3125-338

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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. When handling the concentrate, wear a pesticide 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.~~

~~**HANDLING OF CONTAMINATED ARTICLES:** Clothing and ree receiving undiluted GUTHION 3 Flowable as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be buried in the same manner as the empty container; see container disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar materials). Clothing receiving spray mist or droplets from the mixed, diluted GUTHION 3 Flowable should be removed and decontaminated before reuse. This clothing can be decontaminated by machine washing separately from other items with soap or detergent and bleach in hot water twice before reuse. Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to run off or otherwise enter water supplies.~~

~~**Personal Protective Equipment:** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.~~

~~Handlers who may be exposed to the concentrate through application or other tasks must wear:~~

- ~~• Chemical-resistant protective suit~~
- ~~• Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl rubber or viton~~
- ~~• Chemical-resistant footwear plus socks~~
- ~~• Protective eyewear~~
- ~~• Chemical-resistant headgear for overhead exposure~~
- ~~• Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)~~

~~Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear:~~

- ~~• Chemical-resistant protective suit~~
- ~~• Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl rubber or viton~~
- ~~• Chemical-resistant footwear plus socks~~
- ~~• Protective eyewear~~
- ~~• Chemical-resistant headgear~~
- ~~• For exposures in enclosed areas: a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)~~
- ~~• For exposures outdoors: dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)~~

~~Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.~~

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Engineering controls statements:

• Human applicators must be in enclosed cabs.

• When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

• The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)). The handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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

STATEMENTS OF PRACTICAL TREATMENT

Organophosphate

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.

NOTE 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.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife.

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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 blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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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 20 CFR Part 11.~~

~~If handling the concentrate with a closed system, long sleeved shirt and long legged pants may be substituted for the protective suit and the respirator requirement is waived.~~

~~**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 aircraft 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 respirator. 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.~~

RE-ENTRY STATEMENTS

~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas 24 hours after application unless protective clothing is worn, as described in the product labeling. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~

~~Written or oral warnings must be given to workers who are expected to be in a treated area or an area about to be treated with this product. Oral warnings should include these statements found under the label heading~~

~~"Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: DANGER, area treated with GUTHION 3 Flowable on (date of application). Do not enter treated areas for 24 hours after application unless protective clothing is worn, as described in the product labeling. 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. If swallowed, vomiting should be induced. (See Precautionary Statements on label).~~

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ROTATIONAL CROP 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 applications.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

The REI is 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Chemical-resistant protective suit
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl rubber or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

IMPORTANT: Read these entire Directions and Conditions of Sale before using GUTHION 3 Flowable 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. MILES 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 MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

Mixing: GUTHION 3 Flowable insecticide mixes readily with water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. Fill the spray tank 1/4 to 1/3 full with clean water and add GUTHION 3 Flowable at the recommended rate. Mix thoroughly and add water to fill spray tank. GUTHION 3 Flowable may also be applied in a 1:1 ratio with water 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.

Do not apply this product through any type of irrigation system.

DOSAGE: Use specified dosage of GUTHION 3 Flowable 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.

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RECOMMENDED APPLICATIONS			
CROP	INSECT	PINTS GUTHION 3 FLOWABLE	REMARKS
FIELD CROPS Alfalfa	Alfalfa weevil	2/3 to 2	Apply specified dosage per acre using a minimum of 10 gallons of water per acre when applying with 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 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 equipment. Apply twice per cutting at the 2/3 pint rate at intervals of 10 to 11 days. Do not apply more than twice per cutting at the 2/3 pint rate. Apply only once per cutting at rates above 2/3 pint per acre. Do not apply within 14 days of harvest at the rates of 2/3 to 1 pint per acre or within 16 days at the rate of 1-1/3 pints per acre. Do not apply rates above 1-1/3 pints per acre within 21 days of harvest.
	Leafhoppers Mites	2/3 to 1-1/3	
	Egyptian alfalfa weevil	1 to 2	
	Alfalfa plant bug Fleahopper Grasshoppers Lygus bugs Spittlebug	1-1/3 to 2	
Cotton (Conventional or Low Volume Spray)	Boll weevil	1/3 to 2/3	Apply specified dosage per acre by air ground equipment in at least 1 gallon of water. For early season control of bollworm and pink bollworm in states west of Rocky Mountains use 1-1/3 to 2 pints per acre and for mid-to-late season applications, use 2 to 2-2/3 pints per acre. Repeat as necessary. Do not apply within 1 day of picking at rates up to 1-1/3 pints per acre or within 7 days of picking at rates above 1-1/3 pints per acre. Do not graze treated fields.
	Brown cotton leafworm Cotton fleahopper Cotton leafworm Lygus bugs Thrips	2/3	
	Rapid plant bug Tarnished plant bug	2/3 to 1-1/3	
	Stink bug	1-1/3	
	Bollworm Pink bollworm	East of Rocky Mountains 1-1/3	
		West of Rocky Mountains 1-1/3 to 2-2/3	

RECOMMENDED APPLICATIONS			
CROP	INSECT	PINTS GUTHION 3 FLOWABLE	REMARKS
Sugarcane (Conventional Spray) (Florida, Louisiana and Texas only)	Sugarcane borer	2	<p>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.</p> <p>A total of 5 applications may be made per season except in Louisiana where only 2 may be made per season.</p> <p>In Louisiana allow at least 21 days between applications.</p> <p>Do not make applications during temperature inversions. A temperature inversion is a stable atmospheric condition characterized by an increase in air temperature with increased height above the ground until some height a "ceiling" or barrier of colder air is met.</p> <p>Make applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). In Louisiana do not apply when wind velocity exceeds 10 mph.</p> <p>For applications, the spray bloom must be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. Boom length must not exceed 75% of wind span or rotor diameter.</p> <p>In Louisiana do not apply if the soil is saturated with water.</p> <p>In Louisiana do not apply under conditions that favor runoff.</p> <p>Do not apply in the rain.</p> <p>In Louisiana, do not apply within 100 feet of lakes; reservoirs; rivers; permanent streams, marshes or ponds; canals; estuaries and commercial fish ponds.</p> <p>Allow at least 30 days between the last application and harvest.</p> <p>Bagasse from sugarcane treated with GUTHION may be used for feed of cattle, goats, and sheep. Do not graze treated fields. Consult your State Agricultural Extension Service or Experiment Station for specific use information.</p>

RECOMMENDED APPLICATIONS			
CROP	INSECT	PINTS GUTHION 3 FLOWABLE	REMARKS
Sugarcane ¹ (Ultra Low Volume Spray) (Florida, Louisiana and Texas only)	Sugarcane borer	2	<p>Apply specified dosage per acre. GUTHION 3 Flowable may be used in a 1:1 ratio with water in any aerial spray equipment that has been adapted and calibrated 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 1 foot above cane top level.</p> <p>A total of 5 applications may be made per season except in Louisiana where only 2 may be made per season.</p> <p>In Louisiana allow at least 21 days between applications.</p> <p>Do not make applications during temperature inversions. A temperature inversion is a stable atmospheric condition characterized by an increase in air temperature with increased height above the ground until some height a "ceiling" or barrier of colder air is met.</p> <p>Make applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). In Louisiana do not apply when wind velocity exceeds 10 mph.</p> <p>For applications, the spray bloom must be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. Boom length must not exceed 75% of wind span or rotor diameter.</p> <p>In Louisiana do not apply if the soil is saturated with water.</p> <p>In Louisiana do not apply under conditions that favor runoff.</p> <p>Do not apply in the rain.</p> <p>In Louisiana, do not apply within 100 feet of lakes; reservoirs; rivers; permanent streams, marshes or ponds; canals; estuaries and commercial fish farm ponds.</p> <p>Allow at least 30 days between the last application and harvest.</p> <p>Bagasse from sugarcane treated with GUTHION may be used for feed of cattle, sheep and goats. Do not graze treated fields. Consult your State Agricultural Extension Service or Experiment Station for specific use information.</p>
<p>¹ NOTE: This formulation, when used ultra-low volume, may cause spotting of automobile finishes if prolonged exposure is permitted. Do not spray directly over automobiles. If accidental exposure does occur, automobiles should be washed immediately.</p>			

RECOMMENDED APPLICATIONS				
CROP	PEST	GUTHION 3F		REMARKS
		PINTS/ ACRE	PINTS/ 100 GAL	
FRUIT Apples Pears (Except California)	Aphids* Apple maggot Codling moth Eyespotted bud moth Leafhoppers* Plum curculio Redbanded leafroller San Jose Scale* Tarnished plant bug* Green fruitworm* Fruit tree leafroller European apple sawfly Forbes scale Mealybug Putnam scale Oblique-banded leafroller*	2	1/2	Apply specified dosage as a full coverage spray. Up to 8 pints GUTHION 3F may be applied per acre per crop season. Allow at least 7 days between applications and 7 days between last application and harvest. * In some areas, these species may have developed resistance to organophosphate insecticides. GUTHION 3F used alone may not provide satisfactory control in those areas. Consult your local agricultural advisor or Cooperative Extension Service for recommendations.
Cherries (East of Rocky Mountains)	Eye-spotted bud moth Forbes scale Fruit flies Fruit tree leafroller Lesser peach tree borer Plum curculio San Jose scale* Cherry leaf miner Mineola moth	2	2/3	Apply specified dosage per acre as a full coverage spray. Up to four applications may be applied per acre per crop season. Allow at least 14 days between applications and 21 days between the last application and harvest.
Cherries (West of Rocky Mountains)	Leafhoppers Fruit flies Fruit tree leafroller Lesser peach tree borer Cherry leaf miner	PINTS GUTHION 3F <hr/> 1-1/3 (7 fl oz per 100 gal)		Apply specified dosage per acre as a full coverage spray. Up to two applications may be applied per acre per crop season. Allow at least 14 days between applications and 7 days between last application and harvest.
*In some areas, these species may have developed resistance to organophosphate insecticides. GUTHION 3 Flowable used alone may not provide satisfactory control in those areas. Consult your local agricultural advisor or Cooperative Extension Service for recommendations.				
VEGETABLES Potatoes	Colorado potato beetle	1		Apply specified dosage per acre in sufficient water for complete coverage.
	Banded cucumber beetle Leafminers	1 to 1-1/3		A total of 3 applications may be made per crop season regardless of rate, formulation or method of application.
	European corn borer Flea beetle Leafhoppers Spittlebugs Tarnished plant bug	1-1/3 to 2		Allow at least 7 days between applications and 7 days between last application and harvest.
	Tuberworm	1-1/2 to 2		NOTE: Resistance of Colorado potato beetle has occurred in some areas. Consult your local Extension Service or Miles Sales Representative for details.

RECOMMENDED APPLICATIONS			
CROP	INSECT	PINTS GUTHION 3 FLOWABLE	REMARKS
ORNAMENTALS Christmas Trees	Scale spp. Sawfly spp. European pine shoot moth Eastern pine shoot borer Nantucket pine tip moth	1 - 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. Time applications to coincide with susceptible pest development.
Southern Pine Seed Orchards	Coneworm Seedworm	See Remarks	Use 4 pints per 100 gallons of water (0.2% dilution) as a full coverage spray.** Use 2 pints per 10 gallons of water (1% dilution) for low volume sprayers. Apply first application within 30 days following conelet 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.
*In some areas, these species may have developed resistance to organophosphate insecticides. GUTHION 3 Flowable used alone may not provide satisfactory control in those areas. Consult your local agricultural advisor or Cooperative Extension Service for recommendations.			
** 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 3 Flowable in the spray mixture in order to apply amount of GUTHION 3 Flowable per acre equivalent to a full coverage spray. In Southern Pine Seed Orchards 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.			
Ornamentals Nursery Plants	Aphids <i>Cerococcus</i> scale Euonymus scale Juniper scale Lace bugs Leafhoppers Mites Olive scale Oystershell scale <i>Pulvinaria</i> scale Thrips	1 to 1-1/3	Apply specified dosage per 100 gallons of water (1-1/3 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 2/3 tablespoonful per gallon. Repeat as necessary.
	Brown soft scale Putnam scale	2-2/3	
	European elm scale Black pine leaf scale	2 to 2-2/3	
	Cone midge Cone moth	5-1/3 to 10-2/3	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 to 2	Apply specified dosage per acre in sufficient water for good coverage. Time applications to coincide with moth flights. For application to individual trees, use 2/3 tablespoonful of GUTHION 3 Flowable 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 soil and treated area is dry.			

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.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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 container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

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