John S. Thornton Miles Inc. P.O. Box 4913 8400 Hawthorn Road Kansas City, MO 64120-0013

Dear Mr. Thornton:

Subject: Deleted uses

Guthion 3 Flowable

EPA Registration No. 3125-338

Amendment application of November 5, 1993

The amendment referred to above, submitted in connection with registration under Federal Insecticide, Fungicide and Rodenticide Act, is acceptable provided that you:

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

DHE

Dennis H. Edwards, Jr. Product Manager (19) Insecticide Rodenticide Branch Registration Division (7505C)

Enclosure

U.S. LABEL

Reason to Issue: To add restrictions to alfalfa and cotton. Date of Draft: 10/25/93(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:

O,O-Dimethyl S-[(4-cxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate INERT INGREDIENTS: 70%

Contains 3 lb 0,0-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-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.

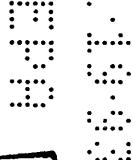
(If you do not understand the label, find someone to explain it to you in detail.)

ACCEPTED with COMMENTS in EPA Letter Dated

JUL 1 9 1994

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

MILES M





PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS



DANGER

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.

Do not contaminate feed or foodstuffs. Keep out of reach of children and domestic animals.

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 dilute 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/NIOS!1 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
- Chemidal registant footwear plus socks
- Protective eyewear
- Chemical-resistant-headgear
- For exposures in enclosed areas: a respirator with either an organic vaporatemoving 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)

POISON

 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 products 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.

Engineering controls statements:

- Human flaggers 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.

NGTE 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.

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 we ker anary into treated areas during the restricted entry interval (AEI) 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 nepprene 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.

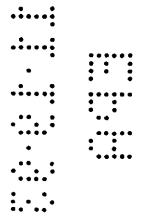
CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE NEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PFODUCT 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. 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.

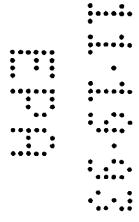
Do not apply this product through any type of irrigation system.

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.



RECOMMENDED APPLICATIONS				
CROP	INSECT	PT GUTHION 3F	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	
	Leafhoppers Mites	2/3 to 1-1/3	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	
	Egyptian alfalfa weevil	1 to 2	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	
	Alfalfa plant bug Fleahopper Grasshoppers Lygus bugs Spittlebug	1-1/3 to 2	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. Not for use on alfalfa grown for seed.	
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	
	Brown cotton leafworm Cotton fleahopper Cotton leafworm Lygus bugs Thrips	2/3	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, se 2 to 2-2/3 pints per acre. Repeat as necessary. Do not apply within 1 day	
	Rapid plant bug Tarnished plant bug	2/3 to 1-1/3	of picking at rates up to 1-1/3 pints per acre or within 7 days of picking at rates above 1-1/3	
	Stink bug	1-13	pints per acre. Do not graze treated fields.	
	Bollworm Pink bollworm	East of Rocky Mountains 1-1/3	Not for use by ultra-low volume spraying.	
•		West of Rocky Mountains 1-1/3 to 2-2/3		



RECOMMENDED APPLICATIONS			
CROP	INSECT	PT GUTHION 3F	REMARKS
Sugarcane¹ (Ultra Low Volume Spray) (Florida, Louisiana and Texas only)	Sugarcane borer	2	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. A total of 5 applications may be made per season except in Louisiana where only 2 may be made per season. In Louisiana allow at least 21 days between applications. 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. 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. 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 wing span or rotor diameter. In Louisiana do not apply if the soil is saturated with water. In Louisiana, do not apply within 100 feet of lakes; reservoirs; rivers; permanent streams, marshes or ponds; canals; estuaries and commercial fish farm ponds. Allow at least 30 days between the last application and harvest. 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.

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.



RECOMMENDED APPLICATIONS					
CROP	PEST	GUTHION 3F		REMARKS	
		PT/ACRE	PT/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	1-1	1/3 er 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 beene Learningers	1 to	1-1/3	A total of 3 applications may be made per crop season regardless of rate formulation or method of application. Allow at least 7 days between applications and 7 days between las application and harvest. NOTE: Resistance of Colorado potato beetle has occurred in some areas	
•	European corn borer Flea beetle Leaffwopers Spittsbugs Tarnished plant bug	1-1/	3 to 2		
••••	Tuberworm	1-1/	2 to 2	Consult your local Extension Service or Miles Sales Representative for details.	

RECOMMENDED APPLICATIONS			
CROP	INSECT	PT GUTHION 3F	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 Souther 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 Cerococcus scale Euonymus scale Juniper scale Lace bugs Leafhoppers Mites Olive scale Oystershell scale Pulvinaria 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 first lights. For application to individual trees, use 2/3 tablespoonful of GUTHION 3 Flowable per gallon of water.

BEST AVAILABLE COPY

Injury to hawthorn or American linden may occur under some conditions.

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

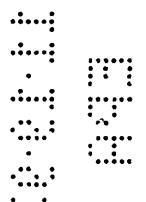
Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal.

Pesticide wastes are acutely hazardous. Improver 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.



Miles, Inc.
Crop Protection Products
Box 4913, Kansas City, MO 64120-0013