GUTHION (R) 50WP

50% WETTABLE POWDER

CROP INSECTICIDE

Contains azinphos-methyl

RESTRICTED

Net Weight 2 Kg

FOR INSECT CONTROL ON FIELD, FRUIT, VEGETABLE AND ORNAMENTAL CROPS

GUARANTEE:

Azinphos-methyl .....50%

REGISTRATION NO. 10101 PEST CONTROL PRODUCTS ACT

Store in a cool dry place.

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

DANGER

POISON

KEEP OUT OF REACH OF CHILDREN CALL A DOCTOR IN CASE OF ACCIDENT

(See rear panel for antidote and danger statements)

READ THE LABEL BEFORE USING

CHEMAGRO LIMITED 77 Belfield Road Etobicoke, Ontario Canada M9W 1G6

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

# RESTRICTED USES

NATURE OF RESTRICTION: This product is to be stored or displayed separate from feed or food.

DIRECTIONS FOR USE

#### MIXING:

GUTHION 50% Wettable Powder mixes easily with water to form a suspension which is readily usable in all conventional ground spray equipment. Mix the required amount of GUTHION 50% Wettable Powder with a small quantity of water. Add this premix through the screen while filling the sprayer tank or fill the tank to the required level and add the premix. Operate the agitator while mixing.

# DOSAGE:

Use specified dosage of GUTHION 50% 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 local agricultural authorities for specific use information.

Equipment for use in spraying CANOLA (RAPESEED), SUGAR BEETS and SUNFLOWERS: GUTHION 50% Wettable Powder may be applied using any commercial tractor drawn or self propelled field sprayer provided it is equipped with the following:

- 1. Nozzle tips no finer than 6502, 8002 or TK2 with nozzle screens no finer than 0.3 mm. The above tips will provide 100 L/ha when operated at 8 km/hr and 200 kPa.
- 2. 0.3 mm or larger line strainers or screens.

#### NOTE:

Felt filters, smaller nozzle tips or smaller screens will become clogged when using GUTHION 50% Wettable Powder.

# RECOMMENDED APPLICATIONS

CROP INSECT	DOSAGE GUTHION 50% WP	REMARKS
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FIELD CROPS Alfalfa Clover	Alfalfa plant bug Alfalfa weevil Aphids Clover leaf weevil, Fleahopper Leaf- hoppers Lesser clover leaf weevil, Lygus bugs, Mites, Spittlebug	1.1 to 1.75 kg/ha	Apply specified dosage per hectare using a minimum of 80 L of water per hectare when applying with ground equipment and a minimum of 40 L per hectare in air applications. It may be necessary to use 150 to 200 L of water per hectare on heavy growth in controlling the alfalfa weevil. Do not apply more than once per cutting, not within 21 days of harvest.
	Sweet clover weevil	1.1 kg/ha	For sweet clover weevil control, 2 applications at 7-14 day intervals may be required. Do not apply more than twice per season nor within 21 days of harvest.
Barley Oats Rye Wheat	Cereal leaf beetle	850 g to 1.1 kg/ha	Apply specified dosage per hectare in sufficient water for complete coverage. Do not apply more than once per season. Do not harvest for food, feed, or forage within 30 days of treatment.
Canola (rapeseed)	Diamond-back moth	275 to 550 g/ha	Apply specified dosage per hectare using a minimum of 80 L of water. Repeat as
	Flea Beetles	150 to 275 g/ha	necessary. Do not apply within 30 days of harvest. See DIRECTIONS FOR USE.

	Red Turnip Beetle	See Remarks	Apply as a border or barrier treatment in a 18 to 30.5 m wide band around the field at the rate of 27.5 to 42.5 g GUTHION 50%. W.P./1000 m² If an overall field application is needed, apply GUTHION 50% W.P. at 275 to 425 g/ha.  Apply specified dosage per hectare using a minimum of 80 L of water. Repeat as necessary. Do not apply within 30 days of harvest. See DIRECTIONS FOR USE.
Sugar Beets	Flea Beetles	150 g/ha	Apply specified dosage per hectare using a minimum of 80 L of water. Do not apply more than once per season, nor within 100 days of harvest. See DIRECTIONS FOR USE.
Sunflowers	Sunflower Beetles (adult)	550 g/ha	Apply specified dosage per hectare using a minimum of 80 L of water.  Application can be made from the seedling stage until the sunflowers have reached full height as may be required. Two applications at 7 to 14 day intervals may be necessary. Do not apply more than 2 times per season or after heads begin to form. See DIRECTIONS FOR USE.
Tobacco	Aphids Tobacco hornworm Tobacco flea beetle	1.75 kg/ha	Apply specified dosage per hectare. Treat for hornworm as soon as egg masses or worms are first found. Second brood hornworms and flea beetles may required 2 applications. Repeat as necessary but not within 6 days of harvest. Prime before treating.

SEED FIELD CROPS Vetch	Aphids Bruchid	1.1 kg/ha	Apply specified dosage per hectare. Repeat as necessary. Do not feed treated forage.
FRUIT Apples Crab Apples Pears Quinces	Aphids Apple maggot Codling moth Eye-spotted budmoth Forbes scale Fruit tree leaf roller Green fruitworm Leaf-hoppers Mealybug Mites Mullein bug (camp- yloma) Oblique- banded leaf roller Oyster- shell scale Pale apple leaf roller Pear psylla Plum curculio Putnam scale Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Winter moth	625 to 775 g/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray.* For Cherries: Repeat as necessary. Do not apply more than 8 times per season nor within 15 days of harvest. For Apples, Crab Apples, Pears, and Quinces: Make 6 applications at rates of 625 to 775 g/1000 L followed by 2 applications at the 625g/1000 L rate but not within 7 days of harvest. Consult your local agricultural authorities for proper timing for oblique-banded leaf roller on pears. GUTHION 50% W.P. 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 limesulfur treatments. In Nova Scotia: GUTHION 50% W.P. may be used at rates of 60 to 125 g/1000 L to control pale apple leaf roller and winter moth. Consult your local agricultural authorities for specific directions on timing of applications.

Cherries	Cherry fruit fly Forbes scale Eye- spotted bud moth Fruit tree leaf roller Mites Plum curculio San Jose scale	625 to 1.25 kg/1000 L	
	Lesser peach tree borer	1.25 kg/1000 L	

Apricots Peaches	Aphids Cottony peach scale European fruit lecanium scale Forbes scale Mites Oriental fruit moth Oblique- banded leaf roller Platynota flavedana leaf roller Plum curculio Red-banded leaf roller San Jose scale Stink bug Tarnished plant bug Terrapin scale Walnut scale	625 to 775 kg/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray.* Repeat as necessary. Do not apply more than 8 times per season, nor within 21 days of harvest for apricots and peaches, nor within 15 days of harvest for plums and prunes. For scale control, apply when crawlers are present. Consult your local agricultural authorities for proper timing for oblique-banded leaf roller on peaches. GUTHION 50% W.P. is compatible with dormant and summer oils which may be added to peach and prune sprays in accordance with local recommendations. Do not use oils within 30 days or fulfur or lime-sulfur treatments.
	Peach twig borer	625 to 925 g/1000 L	

Plums Prunes	Aphids Eye-Spotted bud moth Forbes scale Fruit tree leaf roller Mites Orange tortrix Peach twig borer Plum curculio Red-banded leaf roller San Jose scale Stink bug Tarnished Plant Bug Tussock moth	625 g to 1.25 kg/1000 L	
	American plum borer Peach tree borer Lesser peach tree borer	1.25 kg/1000 L	
Blue berries	Fruitworms Lecanium scale Plum curculio	1.1 to 2.25 kg/ha	Apply specified dosage per hectare using approximately 1600 L of water for good coverage. Repeat as necessary. Do not apply within 14 days
	Blueberry maggot	2.25 kg/ha	of harvest.
Cran- berries	Cranberry fruitworm Spargan- othis sulfureana Tipworm	1.1 to 2.25 kg/ha	
	Fireworms	2.25 kg/ha	

Currants	Aphids Currant borer Fruitworm Leaf roller Mites	1.1 to 1.25 kg/ha	
Black- berries Boysen- berries Logan berries Rasp berries	Leaf-hoppers	1.1 kg/ha	Apply specified dosage per hectare to foliage using approximately 1600 L of water for good coverage. Repeat as necessary. Do not apply within 14 days of harvest.
	Aphids Leaf miners Leaf rollers Obscure root weevil	1.75 kg/ha	
	Raspberry root borer (Crown)	2.25 to 4.5 kg/ha	For control of root weevil and borer prior to harvest apply specified dosage per hectare to lower portion of canes and to the soil beneath the plants using approximately 1600 L of
	Obscure root weevil	1.75 kg/ha	water. Rates up to 2.25 kg/ha may be applied within 3 days of harvest. Rates above 2.25 kg/ha should be applied only before fruit set or after crop is harvested.

Grapes	Flea beetle Grape berry moth Grape cane girdler Ater ampelo- glypper Leaf-hoppers Leaf rollers Mites	625 g to 1.25 kg/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray*. Repeat as necessary but not more than 4 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 875 g require a 5-day interval to harvest and above 875 g a 28-day interval to harvest.
	Red-banded leaf roller	1.25 to 2kg/1000L	
Melons Pumpkins	Spotted cucumber beetle Striped cucumber beetle	1.1 kg/ha	Apply early in the season when cucumber beetles first appear. A second application may be made if needed. A minimum 48-hour interval between each spray application and entry into the field must be observed. Do not apply within 14 days of harvest.
Straw- berries	Aphids Meadow spittlebug Oblique- banded leaf roller Strawberry leaf rollers Omnivorous leaf tier Obscure root weevil Pea leaf weevil Whitefly	1.1 kg/ha	Apply specified dosage in 1600 L of water per hectare as a full coverage spray*. Repeat as necessary. Do not apply within 5 days of harvest.

NUTS Walnuts	Aphids Codling moth European red mite Filbert- worm	925 g to 2.25 kg/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray*. Repeat as necessary. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.
VEGETABLES Beans (Green and Dry)	Leaf rollers Mites	550 g to 1.1 kg/ha	Apply specified dosage per hectare in sufficient water to give complete coverage. Repeat as
	Aphids Green clover- worm Leaf miners	850 g to 1.1 kg/ha	necessary. Do not apply within 3 days of harvest.
	Leaf- hoppers Mexican bean beetle Spotted cucumber beetle Striped cucumber beetle	1.1 kg/ha	
Broccoli Brussels sprouts Cabbage Cauli- flower	Aphids Cabbage looper Imported cabbage- worm Diamond- back moth	1.1 to 1.75 kg/ha	Apply specified dosage per hectare. 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 kg/1000 L	Mix specified dosage in 1000 L of water. Apply 115 to 170 mL per plant at or immediately after transplanting. Maintain sufficient agitation of the wettable powder suspensions to avoid settling out in the spray tank.

Cucumbers	Spotted cucumber beetle Striped cucumber beetle	1.1 kg/ha	Apply specified dosage per hectare in sufficient water to give complete coverage. Repeat as necessary. Do not apply within 6 days of harvest.
Potatoes	Colorado potato beetle	550 to 850 g/ha	Apply specified dosage per hectare. Repeat as necessary. Do not apply
	European corn borer Flea beetle Leaf- hoppers Spittlebug Tarnished plant bug	1.1 to 1.75 kg/ha	within 7 days of harvest.
	Aphids	1.75 kg/ha	
Spinach	Aphids leaf miners Mites	850 g to 1.1 kg/ha	Apply specified dosage per hectare. Repeat as necessary. Do not apply within 14 days of harvest.
Tomatoes	Colorado potato beetle	850 g/ha	Apply specified dosage per hectare. Repeat as necessary. Do not treat
	Drosophila Fruitworm Green stink bug Hornworm Leaf miners Whitefly	850 g to 1.1 kg/ha	within 2 days of harvest.
	Aphids European corn borer Flea beetles Leaf- hoppers Thrips	1.1 to 1.75 kg/ha	

Turnips Rutabagas (Quebec & the Atlantic Provinces Only)	Cabbage maggot	37.5g/100 m of row	GUTHION is recommended for use as a postplanting soil drench. Mix specified dosage in 15 to 20 L of water and apply to 100 m of row in a 10 to 15 cm band sprayed over the row. Repeat as needed with a minimum of 30 days between applications. Do not apply within 35 days of harvest. Consult local authorities for proper timing of application.
ORNAMENTALS Ornamentals Nursery Plants Forest & Shade Trees	Aphids Euonymus scale Lace bugs Leaf- hoppers Mites Thrips	925 g to 1.25 kg/1000 L	Apply specified dosage per 1000 L of water. Spray all foliage surfaces including the underside of leaves for complete coverage.
	European elm scale	2 to 2.5 kg/1000 L	For control of brown soft scale and European scale use 50 g/10 L. Repeat as necessary.
	Brown soft scale	2.5 kg/1000 L	
	Cone midge Cone moth	5 to 10 kg/1000 L	Apply specified dosage per 1000 L of water. Time applications to coincide with moth flight when cones are open for
	Coneworm Seedworm	3.75 kg/1000 L	pollination. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.
	European pine shoot moth	850 g to 1.75 kg/ha	Apply specified dosage per hectare in sufficient water for good coverage. Time applications to coincide with moth
	Nantucket pine tip moth	1.75 kg/ha	flights. For application to individual trees use 2 g/L.

\*This concentration is calculated for conventional sprayers. When lower volumes of spray are applied per hectare, as with low-pressure, low-volume, airplane, or mist-type equipment, increase the concentration of GUTHION 50% W.P. in the spray mixture in order to apply the amount of GUTHION per hectare equivalent to a full coverage spray.

# **PRECAUTIONS**

Do not use on other crops used for food or forage. Treated orchards and groves should not be pastured within 21 days of treatment. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not use on food crops grown in the greenhouse. To protect fish and wildlife, do not contaminate streams, lakes, or ponds.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Do not apply when crop or heavy weed growth in crop is in bloom or allow spray to drift towards beehives. Protective information may be available from your local government extension specialist.

# CONTAINER DISPOSAL

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

- 1. Completely empty the container into application equipment. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
- 2. Follow Provincial instructions for any additional cleaning of the container prior to its disposal.
- 3. Do not reuse container. Make the container unsuitable for further use.
- 4. Dispose of the empty container in accordance with Provincial requirements.
- 5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

# DANGER

Poisonous if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on skin. Wear protective clothing, natural rubber gloves, and goggles. Do not breathe dust or spray mist. Wear a mask or respirator effective for protection against GUTHION. Information as to suitable types of masks or respirators is available from your dealer.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity where

there may be danger of drift. Workers who must enter treated fields within 2 days of application should wear protective clothing. 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.

# FIRST AID:

In case of poisoning call a physician or Poison Control Centre immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (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. The patient should be lying down with the head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

# POISON

# TOXICOLOGICAL INFORMATION:

#### SYMPTOMS OF POISONING:

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

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.

# NOTICE

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

GUTHION is a Reg. TM of Bayer AG, Germany

098101

GUTHION (R) 50 WP

50% WETTABLE POWDER

CROP INSECTICIDE

RESTRICTED

Net Weight 2 Kg

Contains azinphos-methyl

For Insect Control on Field, Fruit, Vegetable and Ornamental Crops

GUARANTEE: Azinphos-methyl . . . . 50%

REGISTRATION NO. 10101 PEST CONTROL PRODUCTS ACT

DANGER POISON

KEEP OUT OF REACH OF CHILDREN Call a doctor in case of accident

(See side panel for antidote and danger statements)

FOR COMPLETE DIRECTIONS FOR USE, SEE MANUFACTURER'S PRINTED DIRECTIONS ON BOTTOM OF BAG.

READ THE LABEL AND PRINTED DIRECTIONS BEFORE USING.

Store in a cool dry place.

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

CHEMAGRO LIMITED 77 Belfield Road Etobicoke, Ontario Canada M9W 1G6

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# RESTRICTED USES

NATURE OF RESTRICTION: This product is to be stored or displayed separate from food or feed.

# CONTAINER DISPOSAL

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

- 1. Completely empty the container into application equipment. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
- 2. Follow Provincial instructions for any additional cleaning of the container prior to its disposal.
- 3. Do not reuse container. Make the container unsuitable for further use.
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Do not breathe dust or spray mist. Wear a mask or respirator effective for protection against GUTHION. Information as to suitable types of masks or respirators is available from your dealer.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. Workers who must enter treated fields within 2 days of application should wear protective clothing. 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.

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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. The patient should be lying down with the head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

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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.

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098101

92.04.23

SUPPLEMENTAL LABEL FOR CONTROL OF HUSK MAGGOT ON WALNUTS

GUTHION (R)

50% WETTABLE POWDER

CROP INSECTICIDE

Contains azinphos-methyl

#### RESTRICTED

Guarantee: Azinphos-methyl.....50%

REGISTRATION NO. 10101 PEST CONTROL PRODUCTS ACT

Store in a cool dry place.

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Do not heat.

DANGER POISON

KEEP OUT OF REACH OF CHILDREN CALL A DOCTOR IN CASE OF ACCIDENT

READ THE LABEL BEFORE USING

(See manufacturer's printed directions on bottom of baq)

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#### DOSAGE:

Use specified dosage of GUTHION 50% 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 local agricultural authorities for specific use information.

### RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE GUTHION 50% WP	REMARKS
Walnuts	Husk maggot	2.25 kg/1000 L/ha	Apply specified dosage in 1000 L of water as a full coverage spray*. Apply two applications per season; early to mid-July and early to mid-August. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.

<sup>\*</sup> This concentration is calculated for conventional sprayers. When lower volumes of spray are applied per hectare, as with low-pressure, low-volume,

airplane, or mist-type equipment, increase the concentration of GUTHION 50% W.P. in the spray mixture in order to apply the amount of GUTHION per hectare equivalent to a full coverage spray.

### PRECAUTIONS

Do not use on other crops used for food or forage. Treated orchards

and groves should not be pastured within 21 days of treatment. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not use on food crops grown in the greenhouse. To protect fish and wildlife, do not contaminate streams, lakes, or ponds.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Do not apply when crop is in bloom or allow spray to drift towards beehives. Protective information may be available from your local government extension specialist.

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Do not breathe dust or spray mist. Wear a mask or respirator effective for protection against GUTHION. Information as to suitable types of masks or respirators is available from your dealer.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. Workers who must enter treated fields within 2 days of application should wear protective clothing. 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.

# FIRST AID:

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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. The patient should be lying down with head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

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93.06.02

SUPPLEMENTAL LABEL FOR CONTROL OF EUROPEAN APPLY SAWFLY ON APPLES

GUTHION (R)

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CROP INSECTICIDE

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# DOSAGE:

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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 local agricultural authorities for specific use information.

# RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE GUTHION 50% WP	REMARKS
Apples	European Apply Sawfly	750 g/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray*. Do not apply more than once per season. Normal timing for this pest is at the calyx growth stage. Do not apply within 7 days of harvest. Consult your local agricultural authorities for specific directions on timing of application.

<sup>\*</sup> This concentration is calculated for conventional sprayers. When lower volumes of spray are applied per hectare, as with low-pressure, low-volume, or mist-type equipment, increase the concentration of GUTHION 50% W.P. in the spray mixture in order to apply the amount of GUTHION per hectare equivalent to a full coverage spray.

#### PRECAUTIONS

Do not use on other crops used for food or forage. Treated orchards and groves should not be pastured within 21 days of treatment. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not use on food crops grown in the greenhouse. To protect fish and wildlife, do not contaminate streams, lakes, or ponds.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Do not apply when crop is in bloom or allow spray to drift towards beehives. Protective information may be available from your local government extension specialist.

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

- 1. Completely empty the container into application equipment. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
- 2. Follow Provincial instructions for any additional cleaning of the container prior to its disposal.
- 3. Do not reuse container. Make the container unsuitable for further use.
- 4. Dispose of the empty container in accordance with Provincial requirements.
- 5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Environmental Protection, Environment Canada.

#### DANGER

Poisonous if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on skin. Wear protective clothing, natural rubber gloves, and goggles.

Do not breathe dust or spray mist. Wear a mask or respirator effective for protection against GUTHION. Information as to suitable types of masks or respirators is available from your dealer.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. Workers who must enter treated fields within 2 days of application should wear protective clothing. 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.

#### FIRST AID:

In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (15mL) 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. The patient should be lying down with head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

# TOXICOLOGICAL INFORMATION:

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

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.

#### NOTICE

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

GUTHION is a Req. TM of Bayer AG, Germany

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