

LABEL TEXT FOR BASE LABEL (BAG LABEL) TO BE PRINTED AS A SINGLE PANEL

GROUP	1B	INSECTICIDE
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GUTHION
Spray Concentrate

®

CROP INSECTICIDE

For insect control on field, fruit, vegetable and ornamental crops

RESTRICTED

GUARANTEE: Azinphos-methyl 240 g/L

This product contains a heavy aromatic solvent naphtha (petroleum) at 54.3%, which requires further toxicological testing.

REGISTRATION NO. 8106 PEST CONTROL PRODUCTS ACT

DO NOT STORE BELOW 7°C.
PROTECT FROM HEAT.
KEEP AWAY FROM OPEN FLAME.
DO NOT HEAT.

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

D A N G E R P O I S O N

CALL A DOCTOR OR POISON CONTROL CENTRE IN CASE OF ACCIDENT

NET CONTENTS: 10 LITRES

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, displayed and distributed in the manner authorized - provincial and federal regulations are in effect.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

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

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below.

Airblast applicators must be in fully enclosed cabs or if not in fully enclosed cabs, applicators must wear:

- Chemical resistant suit over long-sleeved shirt and long-legged pants
- Chemical-resistant hood
- Full-face respirator or half-faced respirator with a face shield (respirators can have either an organic vapour-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)
- Chemical-resistant footwear plus socks.
- Chemical-resistant gloves

Applicators (other than airblast) and other handlers (other than mixers and loaders) must wear:

- Coveralls over long-sleeved shirt and long-legged pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear
- For exposure in enclosed areas, a respirator with either an organic vapour-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 exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC23-C)

Mixers and loaders must wear the following during mixing, loading, clean-up and repair activities:

- Coveralls over long-sleeved shirt and long-legged pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant apron when mixing or loading
- Chemical resistant headgear
- For exposure in enclosed areas, a respirator with either an organic vapour-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 exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC23-C).

Information as to suitable types of masks or respirators is available from your dealer.

Discard clothing and other absorbent materials if accidentally 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.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

FIRST AID

Organophosphate:

In case of poisoning call a physician or a 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. **DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE.** 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 immediately with flowing water for at least 15 minutes.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife.

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 and container or disposal of wastes. Drift and runoff from treated areas are hazardous to aquatic organisms in neighbouring areas.

This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

This product is highly toxic to bees exposed to direct treatment, drift, or residues on blooming crops or 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 local government extension specialist.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Keep away from open flame and extreme heat. Do not store below 7°C. Store in original container and out of reach of children, preferably in a locked storage area.

DISPOSAL

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

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

ACCIDENTAL SPILLS:

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully 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 Bayer CropScience 24-hour Emergency Phone number for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience 24-hour Emergency Phone number is 800-334-7577 or contact CANUTEC at 613-996-6666.

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NET CONTENTS: 10 LITRES

Bayer CropScience Inc.
Suite 100, 3131 114th Avenue S.E.
Calgary, Alberta T2Z 3X2

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This product is highly toxic to bees exposed to direct treatment, drift, or residues on blooming crops or 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 local government extension specialist.

USE LIMITATIONS

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. **USE OF THIS PRODUCT IN GREENHOUSES OR ENCLOSED AREAS IS PROHIBITED.** Backpack and hand-wand spraying is prohibited.

ROTATIONAL CROPS

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

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that GUTHION Spray Concentrate Insecticide contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to GUTHION Spray Concentrate and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields.

Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of GUTHION Spray Concentrate Insecticide or other Group 1B insecticides with different groups that control the same pests in a field.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Correctly identify the pest and ensure economic and agronomic thresholds are met before spraying.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Bayer CropScience Inc. via internet at www.bayercropscience.ca or phone 1-888-283-6847.

DIRECTIONS FOR USE

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, displayed and distributed in the manner authorized - provincial and federal regulations are in effect.

NOTICE TO BUYER: 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.

RESTRICTED ENTRY INTERVAL (REI)

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) listed in the chart below:

CROP	ACTIVITY	REI	
Tree Crops	Hand Thinning	14 days	Any REI listed as 48 hours is increased to 72 hours in outdoor areas where average rainfall is less than 625 mm (25 inches) a year.
	Hand Harvesting	14 days	
	Propping	14 days	
	Summer pruning	14 days	
	Mowing	48 hours	
	Irrigating	48 hours	
	Scouting	48 hours	
Grapes	Other activities	48 hours	Any REI listed as 4 days is increased to 5 days in outdoor areas where average rainfall is less than 625 mm (25 inches) a year.
	Girdling	28 days	
	Leaf Pulling	21 days	
	Cane cutting ('Hedging')	21 days	
	Bunch thinning	28 days	
	Shoot positioning ('Combing')	21 days	
	Hand harvesting	28 days	
All other crops	Other activities	48 hours	PPE required for early entry to treated areas that involves contact with anything that has been treated, such as plants, soil, or water, is:
	Mowing	48 hours	
	Irrigating	48 hours	
	Scouting	48 hours	
	Other activities	4 days	<ul style="list-style-type: none"> • Chemical resistant protective suit over long-sleeved shirt and long pants • Chemical-resistant gloves, such as barrier laminate or viton • Chemical-resistant footwear plus socks • Protective eyewear • Chemical-resistant headgear for overhead exposure

MIXING: GUTHION Spray Concentrate 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 Spray Concentrate into full amount of water and then agitate.

COMPATIBILITY: GUTHION Spray Concentrate Insecticide is physically compatible with many liquid fertilizers. For further information, contact your local Bayer CropScience representative and/or supplier. If your supplier and Bayer CropScience representative have no experience with the combination you are considering, you should conduct tests to determine physical compatibility.

To determine physical compatibility, pour the recommended proportions of each chemical with the same proportion of water as will be present in the chemical supply tank into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is considered physically compatible.

Combination should be kept agitated and should be applied immediately. Do not allow combination to sit for prolonged periods in the chemical supply tank.

DOSAGE: Use specified dosage of GUTHION Spray Concentrate Insecticide 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. Additional information on spray drift management for GROUND APPLICATION is provided in the section 'SPRAY DRIFT MANAGEMENT FOR AERIAL AND GROUND APPLICATIONS'. 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.

AERIAL APPLICATION

GENERAL DIRECTIONS FOR USE AND PRECAUTIONS

GUTHION Spray Concentrate Insecticide may be applied by aircraft only to the crops specified on this label. CLOSED COCKPITS ARE REQUIRED FOR ALL AERIAL APPLICATIONS OF GUTHION Spray Concentrate. Human flagging is prohibited.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. For minimum spray volumes refer to 'Recommended Applications' for specific uses on this label.

PRECAUTIONS

Operator Precautions:

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot has communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear Personal Protective Equipment as outlined under PRECAUTIONS on this label during mixing/loading, cleanup and repair. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Use Precautions:

EXERCISE EXTREME CAUTION DURING THE AERIAL APPLICATION OF ANY PESTICIDE: Drift of pesticides is not always visible with the human eye. Small spray droplets may drift into sensitive areas without obvious signs of danger. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

SPRAY DRIFT MANAGEMENT FOR AERIAL AND GROUND APPLICATIONS

For the protection of non-target habitats, overspray or drift to any body of water or other environmentally sensitive habitats must be avoided. Do not apply under conditions where drift to an unprotected person(s), occupied dwelling, or to food, forage, or other plantings can occur.

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

1. **SPRAY BOOM:** For aerial applications, the **spray boom** should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or rotor diameter.
2. **DROPLET SIZE:** An important factor influencing drift is the droplet size. Small droplets (<150 to 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest **droplet spectrum** that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.
3. **SPRAY HEIGHT:** For aerial applications, spray should be released at the lowest height consistent with efficacy and flight safety. Applications more than 3 metres above the crop canopy should be avoided.
4. **WIND:** Do not apply during periods of dead calm, when winds are gusty or when wind speed is greater than 15 km/hour at flying height at the site of application. Use extreme caution when any body of water or other environmentally sensitive habitat is on downwind side of aircraft.
5. **TEMPERATURE INVERSIONS:** Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.
6. **HUMIDITY AND TEMPERATURE:** Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperature.

RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
FIELD CROPS Alfalfa Clover	Alfalfa plant bug Alfalfa weevil Clover leaf weevil Fleahoppers Leafhoppers Lesser clover leaf weevil Lygus bugs Spittlebugs	2.25 to 3.5 L/ha	Apply specified dosage per hectare by ground or air equipment. GROUND APPLICATION: Apply specified dosage per hectare using a minimum of 80 L of water per hectare when applying with ground equipment. It may be necessary to use 150 to 200 L of water per hectare on heavy growth in controlling the alfalfa weevil.
	Grasshoppers ¹	1.1 to 1.75 L/ha	AERIAL APPLICATION: Use at least 40 L of water per hectare for aerial application. Only one application per cutting may be made regardless of rate, formulation or method of application used. Do not apply within 21 days of harvest.
	Sweet clover weevil	2.25 L/ha	For sweet clover weevil control, 2 applications at 7-14 day intervals may be required. Do not apply more than twice per season. Do not apply within 21 days of harvest.
Rye	Cereal leaf beetle	1.75 to 2.25 L/ha	Apply specified dosage per hectare by ground using a minimum of 80L of water per hectare, or by air using a minimum of 40L of water per hectare. Do not apply more than once per season. Do not harvest for food, feed, or forage within 30 days of treatment.
	Grasshoppers ¹	1.1 to 1.75 L/ha	

RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
FRUIT NOTE: It is suggested that when treating fruit during the bloom period, bee keepers should be warned well in advance to remove hives a safe distance from orchards to be treated.			
FRUIT Peaches Apricots	Cottony peach scale European fruit lecanium scale Forbes scale Oriental fruit moth* Oblique-banded leaf roller* Peach twig borer <i>Platynota flavedana</i> leaf roller Plum curculio Red-banded leaf roller San Jose scale* Stink bug Tarnished plant bug* Terrapin scale Walnut scale White peach scale	1.25 to 1.5 L/1000 L	GROUND APPLICATION ONLY: Apply specified dosage in 1000 L of water as a full coverage spray. A total of 15.75 L GUTHION Spray Concentrate may be applied per hectare per crop season. Allow at least 14 days between applications. Allow at least 21 days between last application and harvest. For scale control, apply when crawlers are present. For oblique-banded leafroller on peaches, consult local agricultural authorities for proper timing of application. Dormant and summer oils may be added to GUTHION Spray Concentrate spray mixtures. Do not use oils within 30 days of sulfur or lime-sulfur treatments.
Plums Prunes	Eye-spotted bud moth Forbes scale Fruit tree leaf roller Orange tortrix Peach twig borer Plum curculio Red-banded leaf roller San Jose scale* Stink bug Tarnished plant bug* Tussock moth	1.25 to 2.5 L/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray. Do not apply by air. A total of 15.75 L GUTHION Spray Concentrate may be applied per hectare per crop season. Allow at least 10 days between applications. Allow at least 15 days between last application and harvest.

GUTHION Spray Concentrate Insecticide

American plum borer Lesser peach tree borer Peach tree borer	2.5 L/1000 L	For scale control, apply when crawlers are present. Dormant and summer oils may be added to GUTHION Spray Concentrate spray mixtures. Do not use oils within 30 days of sulfur or lime-sulfur treatments.
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RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
FRUIT CONT'D Blackberries Boysenberries Loganberries Raspberries	Leafhoppers	2.5 L/ha	GROUND APPLICATION ONLY: Apply specified dosage in approximately 1600 L of water per hectare. Do not apply more than twice per season, nor within 14 days of harvest.
	Leaf miners Leaf rollers Obscure root weevil	3.5 L/ha	
	Obscure root weevil	3.5 L/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 water. Do not apply more than twice per season. Rates of 3.5 L/ha require a 4-day interval to harvest. Rates above 4.75 L/ha should be applied only before fruit set or after crop is harvested.
	Raspberry root borer (Crown)	4.75 to 9.25 L/ha	
Blueberries	Fruitworms Lecanium scale Plum curculio	2.25 to 4.75 L/ha	Apply specified dosage per hectare by ground or air equipment using sufficient water for complete coverage. GROUND APPLICATION: Apply specified dosage in approximately 1600 L of water per hectare. AERIAL APPLICATION: Use at least 40L of water per hectare. A total of 3 applications may be made per crop season regardless of rate, formulation or method of application used. Allow at least 10 days between applications. Do not apply within 14 days of harvest.
	Blueberry maggot	4.75 L/ha	

RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
FRUIT CONT'D Cranberries	Cranberry fruitworm <i>Sparganothis sulfureana</i> Tipworm	2.25 to 4.75 L/ha	GROUND APPLICATION ONLY: Apply specified dosage in approximately 1600 L of water per hectare. A total of 3 applications may be made per crop season regardless of rate, formulation or method of application used. Allow at least 14 days between applications and at least 21 days between last application and harvest.
	Fireworms	4.75 L/ha	
Grapes	Flea beetle Grape berry moth Grape cane girdler <i>Ater ampelogypter</i>) Leafhoppers Leaf rollers	1.25 to 2.5 L/1000 L	Apply specified dosage in 1000 L of water as a full coverage spray. Do not apply by air. A total of 3 applications may be made per crop season regardless of rate or formulation used. Allow at least 14 days between applications. Allow at least 21 days between last application and harvest. Allow at least 28 days between the last application and harvest when more than 1.75L/1000L is applied.
	Red-banded leaf roller	2.5 to 4 L/1000 L	
Strawberries	Meadow spittlebug Oblique-banded leaf roller* Strawberry leaf rollers Omnivorous leaf tier Obscure root weevil Pea leaf weevil Whitefly	2.25 L/ha	Apply specified dosage in 1600 L of water per hectare as a full coverage spray. Do not apply by air. A total of 4 applications may be made per crop season regardless of rate or formulation used. Allow at least 5 days between applications and at least 5 days between last application and harvest.

GUTHION Spray Concentrate Insecticide

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RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
NUTS Walnuts	Codling moth Filbertworm	1.75 to 4.75 L/1000 L	<p>GROUND APPLICATION ONLY: Apply specified dosage in 1000 L of water as a full coverage spray. Do not apply after husks split.</p> <p>A total of 3 applications may be made per crop season regardless of dosage, formulation or method of application. Allow at least 14 days between applications and at least 21 days between last application and harvest. Do not graze livestock in treated groves for 21 days after treatment.</p>
	Walnut husk maggot	4.75 L/1000 L	<p>GROUND APPLICATION ONLY: Apply specified dosage in 1000 L of water as a full coverage spray. Do not apply after husks split.</p> <p>Apply two applications per season; early to mid-July and early to mid-August. Allow at least 21 days between last application and harvest. Do not graze livestock in treated groves for 21 days after treatment.</p>
VEGETABLE S Broccoli Brussels Sprouts Cabbage (includes tight-heading varieties of Chinese cabbage) Cauliflower	Cabbage looper Diamondback moth Imported cabbageworm	2.25 to 3.5 L/ha	<p>Apply specified dosage per hectare in sufficient water for complete coverage. Do not apply by air.</p> <p>Do not exceed more than 3 applications per season. 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.</p>

GUTHION Spray Concentrate Insecticide

Cucumbers	Spotted cucumber beetle Striped cucumber beetle	2.25 L/ha	<p>Apply specified dosage per hectare in sufficient water for complete coverage. Do not apply by air.</p> <p>A total of 3 applications may be made per crop season, regardless of rate or formulation used. Allow at least 7 days between applications and at least 6 days between last application and harvest.</p>
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RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
VEGETABLE S CONT'D Potatoes	Colorado potato beetle*	1.75 L/ha	Apply specified dosage per hectare by ground using sufficient water for complete coverage.
	European corn borer Flea beetle Leafhoppers Spittlebug Tarnished plant bug*	2.25 to 3.5 L/ha	A total of 3 applications may be made per crop season, regardless of rate, formulation or method of application used. Allow at least 7 days between applications and 7 days between last application and harvest.
Tomatoes	Colorado potato beetle*	1.75 L/ha	GROUND APPLICATION ONLY: Apply specified dosage per hectare by ground in sufficient water for complete coverage. A total of 4 applications may be made per crop season, regardless of rate, formulation or method of application used. Allow at least 7 days between applications and 4 days between last application and harvest.
	<i>Drosophila</i> Fruitworm Green stink bug Hornworm Leaf miners Whitefly	1.75 to 2.25 L/ha	
	Grasshoppers ¹ Crickets	2.25 L/ha	
	European corn borer Flea beetles Leafhoppers Thrips	2.25 to 3.5 L/ha	
Melons Pumpkins	Spotted cucumber beetle Striped cucumber beetle	2.25 L/ha	Apply specified dosage per hectare in sufficient water to give complete coverage. Do not apply by air. Apply early in the season when cucumber beetles first appear. A total of 2 applications may be made per crop season regardless of rate or formulation used. Allow at least 5 days between applications and at least 14 days between last application and harvest.

GUTHION Spray Concentrate Insecticide

<p>Turnips² Rutabagas² (Quebec and the Atlantic Provinces Only) ² not to be used on crops exported to the U.S.</p>	<p>Cabbage maggot</p>	<p>95mL/100m of row</p>	<p>GROUND APPLICATION ONLY: As a post plant soil drench. Mix specified dosage in 15-20L of water and apply to 100 m of row in a 10-15 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.</p>
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RECOMMENDED APPLICATIONS

CROP	INSECT	DOSAGE GUTHION SC	REMARKS
ORNAMENTALS Ornamentals Nursery Plants Forest and Shade Trees	Aphids Euonymus scale Lace bugs Leafhoppers Thrips	1.75 to 2.5 L/1000 L	GROUND APPLICATION ONLY: Apply specified dosage per 1000 L of water. Spray all foliage surfaces including underside of leaves for complete coverage.
	European elm scale	3.75 to 5 L/1000 L or 5mL/1L	
	Brown soft scale	5 L/1000 L or 5mL/1L	
	Cone midge Cone moth	10 to 20 L/1000 L	GROUND APPLICATION ONLY: Apply specified dosage per 1000 L of water. Time applications to coincide with moth flights when cones are open for pollination. Thorough coverage of cones is necessary for maximum control.
	Coneworm Seedworm	7.5 L/1000 L	
	European pine shoot moth	1.75 to 3.5 L/ha	GROUND APPLICATION ONLY: Apply specified dosage per hectare in sufficient water for good coverage. Time applications to coincide with moth flights. For application to individual trees use 4 mL of GUTHION Spray Concentrate per litre of water.
	Nantucket pine tip moth	3.5 L/ha	
Under normal conditions, a maximum of 4 applications of GUTHION Spray Concentrate may be made. In plants under quarantine, a maximum of 6 applications may be made. Applications may be made by airblast, ground-boom or hydraulic-type sprayers which are not hand-held. Application by hand-held equipment or backpack sprayers is prohibited.			
Injury to hawthorn or American linden may occur under some conditions.			

*In some areas, these species may have developed resistance to organophosphate insecticides. GUTHION SPRAY CONCENTRATE Insecticide may not provide satisfactory control in those areas. Consult your local agricultural advisor or cooperative extension service for recommendations.

¹BORDER OR BARRIER APPLICATION: For the control of grasshoppers apply 10 to 20 mL of GUTHION Spray Concentrate Insecticide per 100 m² to field margins, fence rows, ditch banks, waste areas, roadsides, or rights-of-way as a barrier 5 to 10 m wide around crop fields to be protected. This application should be made in spring or early summer as soon as grasshoppers begin to hatch in these areas. Do not graze in the treated area within 21 days of application.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Keep away from open flame and extreme heat. Do not store below 7°C. Store in original container and out of reach of children, preferably in a locked storage area.

DISPOSAL

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

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

ACCIDENTAL SPILLS:

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully 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 Bayer CropScience 24-hour Emergency Phone number for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience 24-hour Emergency Phone number is 800-334-7577 or contact CANUTEC at 613-996-6666.

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