

2024-1378
2024-06-04

GROUP	28	INSECTICIDE
--------------	-----------	--------------------

SHENZI® 400 SC Insecticide

SUSPENSION

FOR SALE FOR USE ON ROOT AND TUBER VEGETABLES GROUP, FRUITING VEGETABLES GROUP, *BRASSICA* VEGETABLES GROUP, LEAFY VEGETABLES GROUP, LEGUME VEGETABLES GROUP, CUCURBIT VEGETABLES GROUP, CORN (FIELD, POP, SWEET, AND SEED), GRASS FORAGE, FODDER, AND HAY GROUP, NON-GRASS ANIMAL FEEDS GROUP, MINT, OKRA, PEANUTS, GREEN ONION SUB GROUP, GLOBE ARTICHOKE, HOPS, GREENHOUSE CUCUMBERS, GREENHOUSE TOMATOES, GREENHOUSE EGGPLANT, GREENHOUSE PEPPERS, OILSEEDS GROUP AND CEREALS, POME FRUIT GROUP, STONE FRUIT GROUP, CANEBERRIES SUBGROUP, BUSHBERRIES SUBGROUP, CRANBERRIES, GRAPES, TREE NUTS GROUP, AND LOW GROWING BERRIES SUBGROUP

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

Contains 1,2-benzisothiazolin-3-one at 0.0193% as a preservative

ACTIVE INGREDIENT: Chlorantraniliprole 400 g/L

REGISTRATION NO. 34974 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 0.5 L to Bulk

For Product Information: 1-800-438-6071

UPL AgroSolutions Canada Inc.
PO Box 12219
Research Triangle Park, NC 27709

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Wear a long sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean up and repair. Gloves are not required during application within a closed cab and/or cockpit.
- Do not allow the pilot to mix chemical to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. 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.
- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Users 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.
- Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.
- See the Aerial Application Label Instructions section of this label for additional precautions specific to aerial application.
- Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

ENVIRONMENTAL PRECAUTIONS:

- Toxic to aquatic organisms. Observe spray buffer zones specified under **DIRECTIONS FOR USE.**
- Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland. In greenhouses, avoid application when beneficial arthropods are in the treatment area.
- Chlorantraniliprole is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing chlorantraniliprole during the previous season.
- This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
- To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

STORAGE:

Store this product away from food or feed. Store product in original container only, away from other pesticides and fertilizer. Not for use or storage in or around the home. Keep container closed.

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.

2024-1378
2024-06-04

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

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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.

FIRST AID:

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

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

UPL and the UPL logo are registered trademarks of a UPL Corporation Limited Group Company.
© 2023 UPL Corporation Limited Group Company

2024-1378
2024-06-04

<<DFU Booklet>>

GROUP	28	INSECTICIDE
-------	----	-------------

SHENZI 400 SC Insecticide

SUSPENSION

FOR SALE FOR USE ON ROOT AND TUBER VEGETABLES GROUP, FRUITING VEGETABLES GROUP, BRASSICA VEGETABLES GROUP, LEAFY VEGETABLES GROUP, LEGUME VEGETABLES GROUP, CUCURBIT VEGETABLES GROUP, CORN (FIELD, POP, SWEET, AND SEED), GRASS FORAGE, FODDER, AND HAY GROUP, NON-GRASS ANIMAL FEEDS GROUP, MINT, OKRA, PEANUTS, GREEN ONION SUB GROUP, GLOBE ARTICHOKE, HOPS, GREENHOUSE CUCUMBERS, GREENHOUSE TOMATOES, GREENHOUSE EGGPLANT, GREENHOUSE PEPPERS, OILSEEDS GROUP AND CEREALS, POME FRUIT GROUP, STONE FRUIT GROUP, CANEBERRIES SUBGROUP, BUSHBERRIES SUBGROUP, CRANBERRIES, GRAPES, TREE NUTS GROUP, AND LOW GROWING BERRIES SUBGROUP

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

Contains 1,2-benzisothiazolin-3-one at 0.0193% as a preservative

ACTIVE INGREDIENT: Chlorantraniliprole 400 g/L

REGISTRATION NO. 34974 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 0.5 L to Bulk

For Product Information: 1-800-438-6071

UPL AgroSolutions Canada Inc.
PO Box 12219
Research Triangle Park, NC 27709

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Wear a long sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean up and repair. Gloves are not required during application within a closed cab and/or cockpit.
- Do not allow the pilot to mix chemical to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. 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.
- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Users 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.
- Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.
- See the Aerial Application Label Instructions section of this label for additional precautions specific to aerial application.
- Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

FIRST AID:

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

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests
- Toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.
- Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland. In greenhouses, avoid application when beneficial arthropods are in the treatment area.
- Chlorantraniliprole is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing chlorantraniliprole during the previous season.
- The use of this chemical may result in contamination of groundwater particularly in areas where soil is permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

2024-1378
2024-06-04

- To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.
- **DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), estuarine/marine habitats.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

STORAGE:

Store this product away from food or feed. Store product in original container only, away from other pesticides and fertilizer. Not for use or storage in or around the home. Keep container closed.

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.

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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.

GENERAL INFORMATION

Shenzi 400 SC Insecticide is a liquid formulation that can be applied as a foliar spray, using ground application or aerial application (potatoes, sugar beets, garden beets, legume vegetables, corn, oilseeds and cereals only) to control many important insect pests. Shenzi 400 SC Insecticide is mixed with water for application.

Apply at the recommended rates when insect populations reach locally determined economic thresholds. Consult your local extension specialist or certified crop advisor to determine appropriate threshold levels for treatment in your area.

Use sufficient water to obtain thorough, uniform coverage.

DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

2024-1378
2024-06-04

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

ROOT AND TUBER VEGETABLES – Crop Group 1

Spray Volume for Root and Tuber Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground. For potatoes only, apply in a minimum finished spray volume of 50 L/ha by air.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
POTATOES	Colorado potato beetle	125 mL to 250 mL	For potatoes, apply by either ground or aerial application equipment.
	European corn borer	125 mL to 188 mL	
ROOT AND TUBER VEGETABLES Arracacha; Arrowroot; Artichoke, Chinese; Artichoke, Jerusalem; Beet, garden; Beet, sugar; Burdock, edible; Canna, edible; Carrot;	Diamondback moth	125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
Cabbage looper	For Colorado potato beetle, use the higher application rate under heavy pest pressure and/or when larger larvae are present.		
Black cutworm			Colorado potato beetle resistance management: DO NOT apply Shenzi 400 SC Insecticide for
Imported cabbageworm			
Swede midge			

<p>Cassava, bitter and sweet; Celeriac (celery root); Chayote (root); Chervil, turnip-rooted; Chicory; Chufa; Dasheen (taro); Ginger; Ginseng; Horseradish; Leren; Parsley, turnip-rooted; Parsnip; Potato; Radish; Radish, oriental (daikon); Rutabaga; Salsify; Salsify, black; Salsify, Spanish; Skirret; Sweet potato; Tanier (cocoyam); Turmeric; Turnip; Yam bean; Yam, true</p>	<p>Corn earworm (Tomato fruitworm) European corn borer Tobacco hornworm Tomato hornworm Armyworm Variegated cutworm Fall armyworm Beet armyworm Leafminers: <i>Liriomyza sativae</i> <i>Liriomyza trifolii</i></p>	<p>125 mL to 188 mL</p>	<p>Colorado potato beetle control if any Group 28 Insecticide was used at planting as an in-furrow, soil or seed-piece treatment.</p> <p>For control of the European corn borer, time the application to coincide with peak egg hatch. Scout for European corn borer by monitoring egg laying and egg hatch to determine application timing.</p>
--	---	-------------------------	--

RESTRICTIONS AND PRECAUTIONS: Root and Tuber Vegetables

- For pests with a range of application rates, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply more than once every 3 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

LEAFY VEGETABLES – Crop Group 4

Spray Volume for Leafy Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
LEAFY VEGETABLES Amaranth leafy,	Cabbage looper Black cutworm	125 mL	Begin applications when treatment thresholds have been reached.

Arugula, Cardoon, Celery, Celery (Chinese), Celtuce, Chevril, Chrysanthemum (edible leaved), Chrysanthemum (garland), Corn Salad, Cress (garland), Cress (upland), Dandelion leaves, Dock, Endive, Florence Fennel, Lettuce (head & leaf), Orach, Parsley leaves, Purslane (garden), Purslane (winter), Radicchio, Rhubarb, Spinach, Spinach (vine), Spinach (New Zealand), Swiss Chard	Armyworm Fall armyworm Corn earworm (Tomato fruitworm) Beet armyworm Leafminers: <i>Liriomyza sativae</i> <i>Liriomyza trifolii</i>	125 mL to 188 mL	Thorough coverage is important to obtain optimum control.
--	---	------------------	---

RESTRICTIONS AND PRECAUTIONS: Leafy Vegetables

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 3 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 500 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

BRASSICA VEGETABLES - Crop Group 5

Spray Volume for Brassica Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ ha	SPECIFIC DIRECTIONS
BRASSICA VEGETABLES Broccoli, Broccoli (Chinese), Broccoli raab, Brussels Sprouts,	Imported cabbageworm Diamondback moth Cabbage looper	125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. For optimum control, apply Hasten NT Spray Adjuvant* at an

Cabbage, Cabbage (Chinese, bok choy), Cabbage (Chinese, napa), Cabbage (Chinese mustard, choy), Cauliflower, Cavalo broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens	Black cutworm		application rate of 0.25% v/v or MSO Concentrate with LeciTech* at an application rate of 0.5% v/v.
	Armyworm Fall armyworm Beet armyworm Corn earworm (Tomato fruitworm) Leafminers: <i>Liriomyza sativae</i> <i>Liriomyza trifolii</i>	125 mL to 188 mL	

RESTRICTIONS AND PRECAUTIONS: Brassica Vegetables

- Do not make more than 4 applications per season.
- Do not apply by air
- Do not apply more than once every 3 days.
- Do not apply less than 3 days before harvest. Observe a 3-day PHI.
- Do not exceed a total of 500 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

LEGUME VEGETABLES - Crop Group 6

Spray Volume for Legume Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground. Apply in a minimum finished spray volume of 50 L/ha by air.

SITE	PEST	RATE Shenzi 400 SC Insecticide/HA	SPECIFIC DIRECTIONS
LEGUME VEGETABLES Bean (<i>Lupinus</i> spp.)	Grasshoppers	63 mL to 125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is
	Cabbage looper	125 mL	
	Cutworms		

<p>(includes grain lupin, sweet lupin, white lupin, and white sweet lupin);</p> <p>Bean (<i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean);</p> <p>Bean (<i>Vigna</i> spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean);</p> <p>Broad bean (fava); Chickpea (garbanzo); Guar; Jackbean; Lablab bean; Lentil;</p> <p>Pea (<i>Pisum</i> spp.) (includes dwarf pea, ediblepodded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea); Pigeon pea; Sword bean Soybean</p>	<p>Armyworm</p> <p>Fall armyworm</p> <p>Beet armyworm</p> <p>Corn earworm (Tomato fruitworm)</p> <p>European corn borer</p> <p>Western bean cutworm</p>	<p>125 mL to 188 mL</p>	<p>important to obtain optimum control.</p>
---	---	-------------------------	---

RESTRICTIONS AND PRECAUTIONS: Legume Vegetables

- Do not make more than 4 applications per season.
- Do not apply more than once every 3 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

FRUITING VEGETABLES (EXCEPT CUCURBITS) – Crop Group 8

Spray Volume for Fruiting Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
FRUITING VEGETABLES Eggplant, Groundcherry, Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato	Colorado potato beetle	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. Colorado potato beetle resistance management: DO NOT apply Shenzi 400 SC Insecticide for Colorado potato beetle control if any Group 28 Insecticide was used at planting as an in-furrow, soil or seed treatment.
	Armyworm		
	Fall armyworm		
	Beet armyworm		
	Variegated cutworm		
	Tobacco hornworm		
	Tomato hornworm		
	Tomato fruitworm (Corn earworm)		
	European corn borer		
Cabbage looper	125 mL		
Black cutworm			

RESTRICTIONS AND PRECAUTIONS: Fruiting Vegetables

- For pests with a range of application rates, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 5 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

CUCURBIT VEGETABLES – Crop Group 9

Spray Volume for Cucurbit Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
CUCURBIT VEGETABLES Chayote (fruit);	Cabbage looper Black cutworm	125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

<p>Chinese waxgourd (Chinese preserving melon); Citron melon; Cucumber; Gherkin; Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); Muskmelon (includes cantaloupe); Pumpkin; Squash, summer; Squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); Watermelon</p>	<p>Armyworm Fall armyworm Corn earworm (Tomato fruitworm) Leafminers: <i>Liriomyza sativae</i> <i>Liriomyza trifolii</i></p>	<p>125 mL to 188 mL</p>	
--	--	-------------------------	--

RESTRICTIONS AND PRECAUTIONS: Cucurbit Vegetables

- For pests with a range of application rates, use the high rate under heavy pest pressure.
- Do not apply by air.
- Do not make more than 4 applications per season.
- Do not apply more than once every 5 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

CORN – FIELD, POP, SEED AND SWEET

Spray Volume for Corn: Apply in a minimum finished spray volume of 100 L/ha by ground. Apply in a minimum finished spray volume of 50 L/ha by air

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
<p>CORN Field corn; Pop corn; Seed corn;</p>	<p>Black cutworm</p>	<p>125 mL Apply either by ground or aerial application equipment</p>	<p>Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.</p>

Sweet Corn	Armyworm	125 mL to 188 mL	For corn earworm, European corn borer or Western bean cutworm control, time the applications to coincide with peak egg hatch. Scout by monitoring egg laying and egg hatch to determine application timing. Reapply if monitoring indicates it is necessary. Refer to the section of the label titled AERIAL APPLICATION LABEL INSTRUCTIONS for use information specific to aerial application.
	Fall armyworm	Apply either by ground or aerial application equipment	
	Beet armyworm		
	Variegated cutworm		
	Corn earworm (Tomato fruitworm)		
	European corn borer		
Western bean cutworm			

RESTRICTIONS AND PRECAUTIONS: Corn

- For pests with a range of application rates, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply more than once every 3 days on seed corn or sweet corn.
- Do not apply more than once every 7 days on field corn or popcorn.
- Do not apply less than 1 day before harvest of seed corn or sweet corn.
- Do not apply less than 14 days before harvest of field corn or popcorn.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

CEREAL GRAINS (EXCEPT CORN AND WILD RICE) – Crop Group 15 and FORAGE, FODDER AND STRAW OF CEREAL GRAINS (EXCEPT CORN AND WILD RICE) – Crop Group 16

Spray Volume for Cereal Grains and Forage, Fodder and Straw of Cereal Grains: Apply in a minimum finished spray volume of 100 L/ha by ground. Apply in a minimum finished spray volume of 50 L/ha by air.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ ha	SPECIFIC DIRECTIONS
CEREAL GRAINS and FORAGE, FODDER AND STRAW OF CEREAL GRAINS Barley; Buckwheat; Millet, pearl; Millet, proso;, Oats; Rye; Sorghum; Teosinte; Triticale;	Grasshoppers	63 mL to 125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Cutworms	125 mL	
	Armyworm Fall armyworm Beet armyworm	125 mL to 188 mL	

Wheat	Corn earworm (Tomato fruitworm) European corn borer		
-------	---	--	--

RESTRICTIONS AND PRECAUTIONS: Cereal Grains and Forage, Fodder and Straw of Cereal Grains

- Forage, Fodder and hay may be fed to livestock
- Do not make more than 3 applications per season.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season
- For pests with a range of application rates, use the high rate under heavy pest pressure.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

GRASS FORAGE, FODDER, AND HAY – Crop Group 17

Spray Volume for Grass Forage, Fodder, and Hay Group: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
GRASS FORAGE FODDER AND HAY GROUP (Any grass, <i>Gramineae</i> family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage)	Grasshoppers	63 mL to 125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Armyworm	125 mL to 188 mL	
	Fall armyworm		
	Beet armyworm		
	Corn earworm (Tomato fruitworm)		

RESTRICTIONS AND PRECAUTIONS: Grass Forage, Fodder, and Hay Group

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Observe a 0-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

NON-GRASS ANIMAL FEEDS – Crop Group 18

Spray Volume for Non-Grass Animal Feeds Group: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
NON-GRASS ANIMAL FEEDS GROUP Alfalfa; Bean, velvet; Clover (Trifolium, Melilotus); Kudzu; Lespedeza; Lupin; Sainfoin; Trefoil; Vetch; Vetch, crown; Vetch, milk	Grasshoppers	63 mL to 125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Beet armyworm	125 mL to 188 mL	
	Alfalfa weevil (suppression only)	188 mL to 250 mL	

RESTRICTIONS AND PRECAUTIONS: Non-Grass Animal Feeds Group

- For either of the pests listed above, use the high rate under heavy pest pressure.
- Do not apply by air.
- Do not make more than 1 application per cutting.
- Observe a 0-day PHI.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

OILSEEDS – Crop Group 20

Spray volume for Oilseeds Group: Apply a minimum finished spray volume of 100 L/ha by ground. Apply a minimum finished spray volume of 50 L/ha by air.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
OILSEEDS GROUP Canola Rape Seed; Mustard seed; Flax; Linseed; Sunflower seed; Safflower; Borage; Calendula; Crambe; Cuphea;	Diamondback moth	63 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Grasshoppers	63 mL to 125 mL	
	Bertha armyworm	63 to 188 mL	
	Cabbage looper	125 mL	
	Imported cabbageworm		
	Swede midge		
Cutworms			

2024-1378
2024-06-04

Echium; Euphorbia; Evening Primrose; Gold of Pleasure; Hare's ear mustard; Lesquerella; Lunaria; Meadowfoam; Milkweed; Niger seed; Oil radish; Poppy seed; Rose hip; Stokes aster; Sweet rocket; Tea oil plant	Sunflower head moth Reduces damage caused by banded sunflower moth	125 to 188 mL	
---	---	---------------	--

RESTRICTIONS AND PRECAUTIONS: Oilseeds

- Do not make more than 3 applications per season.
- Do not apply more than once every 5 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

MINT

Spray Volume for Mint: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
MINT	Cabbage looper	125 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

RESTRICTIONS AND PRECAUTIONS: Mint

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 14 days.
- Do not apply less than 3 days before harvest. Observe a 3-day PHI.
- Do not exceed a total of 500 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

OKRA

Spray Volume for Okra: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
OKRA	Beet armyworm Corn earworm (Tomato fruitworm)	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

RESTRICTIONS AND PRECAUTIONS: Okra

- For either of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 5 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

HOPS

Spray Volume for Hops: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
Hops	Cutworms	125 to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Armyworm		
	Cabbage looper	125 mL	

RESTRICTIONS AND PRECAUTIONS: Hops

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 0 day before harvest. Observe a 0-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season.

POME FRUITS – Crop Group 11

Spray Volume for Pome Fruits: Apply in a minimum finished spray volume of 450 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
POME FRUITS Apple; Crabapple; Loquat;	Codling moth Oriental fruit moth Spotted tentiform leafminer Western tentiform leafminer	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control. For optimum control of 1st generation codling moth, apply before first egg hatch (80 – 110 degree days Celsius after BIOFIX). Monitor populations and reapply 10 – 14 days later if

Mayhaw; Pear; Pear, oriental; Quince	European apple sawfly		required. For 2nd generation codling moth, timing of the first application is based on first egg hatch after establishing a new BIOFIX. Monitor populations and reapply 10 – 14 days later if required. BIOFIX is determined to be set when a first consistent moth catch has been attained within the orchard. For the determination of degree-days for codling moth, a lower and upper threshold of 10 and 31 degrees Celsius is used. For optimum control of oriental fruit moth, Apply at 1st egg hatch of the targeted generation. Monitor populations using pheromone traps and reapply 10 – 14 days later if required. For optimum control of European apple sawfly, apply at early petal fall, and repeat if needed after petal fall. For optimum control of Green fruitworm, apply at the pink stage. Repeat if necessary at petal fall. For optimum control of over-wintering generations of obliquebanded leafroller, monitor larval population in the spring, and apply when overwintering larvae become active, from pink stage through petal fall. For summer generations, monitor adult moth flight, and apply at first egg hatch (170 – 240 degree days Celsius) after the first sustained moth catch. A repeat application approximately 10 days after the initial application may be needed to control the extended emergence of the small larvae. For optimum control of Eyespotted bud moth, Redbanded leafroller, Tufted apple bud moth and Variegated leafroller apply when the larvae are active in the pink to petal fall period.
	Green fruitworm		
	Obliquebanded leafroller	125 mL to 250 mL	
	Three-lined leafroller		
	Eyespotted bud moth		
	Redbanded leafroller		
	Tufted apple bud moth		
	Variegated leafroller		
	Apple maggot (Suppression)	188 mL to 250 mL	For optimum suppression of apple maggot, begin applications when flies are first captured in the orchard, and repeat 10 – 14 days later. A third application may be made in 10-14 days if flies are still being captured.
	White Apple leafhopper (Suppression)		
	Japanese beetle (Suppression)	250 mL	For optimum suppression of Japanese beetle, apply when feeding is first observed and repeat in 10-14 days if required.
	Dogwood borer	188 mL to 250 mL	For optimum control of Dogwood borer, apply specified amount as a spray to wet application to the bottom 60 cm of tree trunk, at the first sign of dogwood borer feeding.

RESTRICTIONS AND PRECAUTIONS: Pome Fruits

- For any of the pests listed above, use the high rate under heavy pest pressure.

2024-1378
2024-06-04

- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 10 days.
- Do not apply less than 5 days before harvest. Observe a 5-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

GRAPES

Spray Volume for Grapes: Apply in a minimum finished spray volume of 450 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
GRAPES	Grape berry moth	125 mL to 250 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control. Monitor populations and reapply 7 – 10 days later if required.
	Climbing cutworm	188 mL to 250 mL	For optimum control of the grape berry moth, begin applications after moth flight begins and prior to egg hatch. For optimum control of the climbing cutworms, monitor bud development and the presence of cutworm damage.
	Japanese beetle (Suppression)	250 mL	For optimum suppression of Japanese beetle, apply when feeding is first observed and repeat in 10-14 days if required.

RESTRICTIONS AND PRECAUTIONS: Grapes

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 14 days before harvest. Observe a 14-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

STONE FRUITS – Crop Group 12-09

Spray Volume for Stone Fruits: Apply in a minimum finished spray volume of 450 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
STONE FRUITS Apricot; Apricot, Japanese; Cherry, black;	Oriental fruit moth Peach twig borer Cherry fruit fly (Suppression)	188 mL to 250 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control. For optimum control of oriental fruit moth, apply at 1st egg hatch of the targeted

Cherry, Nanking; Cherry, sweet; Cherry, tart; Nectarine; Peach; Plum; Plum, American; Plum, beach; Plum, Canada; Plum, cherry; Plum, Chickasaw; Plum, damson; Plum, Japanese; Plum, Klamath;, Plum, prune; Plumcot; Sloe; Cultivars, varieties and hybrids of these commodities	Obliquebanded leafroller	125 mL to 250 mL	generation. Monitor populations using pheromone traps and reapply 7 – 10 days later if required.
	Three-lined leafroller Redbanded leafroller		For optimal control of peach twig borer, use pheromone traps to monitor the male moth activity. Follow local recommendations for thresholds information.
	Japanese beetle (Suppression)	250 mL	For spring/overwintering or first summer generation larvae: Apply within 7 days of first trap catch of adult male moths. For second summer generation larvae: To ensure good crop protection, continue monitoring for second brood moths until at least mid-August. If required, apply a second spray within 7 days of first trap catch of adult male moths.
			For optimum suppression of Cherry fruit fly, apply when flies are first detected in the orchard, and repeat in 10-14 days.
			For optimum control of over-wintering generations of obliquebanded leafroller, monitor larval population in the spring, and apply when over-wintering larvae become active, from pink stage through petal fall. For summer generations, monitor adult moth flight, and apply at first egg hatch (170 – 240 degree days Celsius) after the first sustained moth catch. A repeat application approximately 10 days after the initial application may be needed to control the extended emergence of the small larvae.
			For optimum control of Redbanded leafroller, apply in the pink to petal fall period.
			For optimum suppression of Japanese beetle, apply when feeding is first observed and repeat in 10-14 days if required.

RESTRICTIONS AND PRECAUTIONS: Stone Fruits

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

TREE NUTS – Crop Group 14-11

Spray Volume for Tree Nuts Group: Apply in a minimum finished spray volume of 450 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
<p>TREE NUTS GROUP Almond; Beechnut; Bur Oak; Butternut; Chestnut; Chinquapin; Filbert (hazelnut); Gingko; Heartnut; Hickory nut; Japanese horse-chestnut; Monkey puzzle nut; Pecan; Pine nut; Walnut, black and English; Yellowhorn; Cultivars, varieties, and/or hybrids of these commodities</p>	Codling moth	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control.
	Obliquebanded leafroller	125 mL to 250 mL	For optimum control of 1 st generation codling moth, apply before first egg hatch (80-110 degree days Celsius after BIOFIX). Monitor populations and reapply 10 – 14 days later if required. For 2 nd generation codling moth, timing of the first application is based on first egg hatch after establishing a new BIOFIX. Monitor populations and reapply 10 – 14 days later if required. BIOFIX is determined to be set when a first consistent moth catch has been attained within the orchard. For the determination of degree-days for codling moth, a lower and upper threshold of 10 and 31 degrees Celsius is used.
	Three-lined leafroller		<p>For optimum control of over-wintering generations of obliquebanded leafroller, monitor larval population in the spring, and apply when over-wintering larvae become active, from pink stage through petal fall. For summer generations, monitor adult moth flight, and apply at first egg hatch (170 – 240 degree days Celsius) after the first sustained moth catch. A repeat application approximately 10 days after the initial application may be needed to control the extended emergence of the small larvae.</p> <p>For second summer generation larvae: To ensure good crop protection, continue monitoring for second brood moths until at least mid-August. If required, apply a second spray within 7 days of first trap catch of adult male moths.</p>

RESTRICTIONS AND PRECAUTIONS: Tree Nuts

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 10 days before harvest. Observe a 10-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

LOW GROWING BERRY – CROP SUBGROUP 13-07G

Spray Volume for Low Growing Berry: Apply in a minimum finished spray volume of 450 L/ha.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
------	------	---	---------------------

<p>LOW GROWING BERRIES Blueberry, lowbush; Bearberry; Bilberry; Cloudberry; Cranberry; Lingonberry; Muntries; Partridgeberry; Strawberry; Cultivars, varieties and/or hybrids of these</p>	<p>Obliquebanded leafroller Three-lined leafroller Climbing cutworm Japanese beetle (Suppression)</p>	<p>188 mL to 250 mL</p>	<p>Begin applications when treatment thresholds have been reached. Monitor populations and reapply a minimum of 7 days later if required.</p> <p>Thorough coverage is important to obtain optimum control.</p> <p>For optimum suppression of Japanese beetle, apply when feeding is first observed and repeat in 10-14 days if required.</p>
--	--	-------------------------	--

RESTRICTIONS AND PRECAUTIONS: Low Growing Berry

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

<<Minor Use Box Starts>>

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than **UPL AgroSolutions Canada Inc.** under the User Requested Minor Use Label Expansion program. For these uses, **UPL AgroSolutions Canada Inc.** has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

BRASSICA VEGETABLES – Crop Group 5

Spray Volume for Brassica Vegetables: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
<p>BRASSICA VEGETABLES Broccoli, Broccoli (Chinese), Broccoli raab, Brussels Sprouts, Cabbage, Cabbage (Chinese, bok choy), Cabbage (Chinese, napa), Cabbage (Chinese mustard, choy), Cauliflower, Cavalo broccolo, Collards,</p>	<p>Swede midge</p>	<p>125 mL For optimum control, apply Hasten NT Spray Adjuvant* at an application rate of 0.25% v/v or MSO Concentrate with LeciTech* at an application rate of 0.5% v/v.</p>	<p>Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.</p> <p>Monitor Swede midge activity every 2-4 days using Jackson traps baited with pheromone lures.</p> <p>Follow local threshold. Apply Shenzi 400 SC Insecticide as soon as possible once the Swede midge threshold is reached. Applications on cabbage, Chinese cabbage (napa), cauliflower and Chinese broccoli (gai lon) must be made early in the growing season before heads start to form.</p>

Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens			Given that there are multiple generations of Swede midge, several applications of insecticide (to a maximum of 4 per season) will likely be required.
---	--	--	---

RESTRICTIONS AND PRECAUTIONS: Brassica Vegetables

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 3 days. For swede midge, make additional applications when monitoring indicates they are necessary, according to local thresholds.
- Do not apply less than 3 days before harvest. Observe a 3-day PHI.
- Do not exceed a total of 500 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

Globe Artichokes

Spray Volume for Globe Artichoke: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ ha	SPECIFIC DIRECTIONS
Globe Artichoke	Cutworms	125 to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Armyworm		
	Cabbage looper	125 mL	

RESTRICTIONS AND PRECAUTIONS: Artichokes

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 3 days before harvest. Observe a 3-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

GREENHOUSE CUCUMBERS, GREENHOUSE PEPPERS, GREENHOUSE EGGPLANTS, AND GREENHOUSE TOMATOES

Spray Volume for Greenhouse Vegetables: For greenhouse tomatoes, the maximum finished spray volume is 1400 L/ha. For greenhouse cucumbers, greenhouse eggplants, and greenhouse peppers, the maximum finished spray volume is 2000 L/ha.

SITE	PEST	RATE Shenzi 400 SC Insecticide/1000 L finished spray volume	SPECIFIC DIRECTIONS
Greenhouse Cucumbers; Greenhouse Peppers;	Cabbage looper	63 mL	Begin applications when treatment thresholds have been reached.

Greenhouse Eggplant; Greenhouse Tomatoes			Thorough coverage is required to obtain optimum control. Repeat applications if monitoring indicates it is necessary.
--	--	--	--

RESTRICTIONS AND PRECAUTIONS: Greenhouse Vegetables

- Do not make more than 3 applications per crop cycle.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 375 mL of Shenzi 400 SC Insecticide per ha per crop cycle.
- DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

GREENHOUSE PEPPERS, GREENHOUSE EGGPLANTS, AND GREENHOUSE TOMATOES

Spray Volume for Greenhouse Vegetables: Apply in a maximum finished spray volume of 1250 L/ha. Please note that the use of this product for control of tomato leafminer is restricted to plant growth stages for which thorough coverage can be achieved by application volumes of 1250 L/ha or less.

SITE	PEST	RATE Shenzi 400 SC Insecticide/1000 L finished spray volume	SPECIFIC DIRECTIONS
Greenhouse Peppers; Greenhouse Eggplant; Greenhouse Tomatoes	Lepidopteran leafminer	100 mL/ 1000L	Apply at egg hatch. Reapply if monitoring indicates it is necessary. Thorough coverage is important to obtain optimum control.

RESTRICTIONS AND PRECAUTIONS: Greenhouse Vegetables

- Do not make more than 3 applications per crop cycle.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 375 ml of Shenzi 400 SC Insecticide per ha per crop cycle.
- DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

PEANUTS

Spray Volume for Peanuts: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
------	------	---	---------------------

Peanuts	Armyworms	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Cutworms		
	Corn earworm (Tomato fruitworm)		

RESTRICTIONS AND PRECAUTIONS: Peanuts

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

GREEN ONIONS– Crop Subgroup 3-07B

Spray Volume for Green Onion Subgroup: Apply in a minimum finished spray volume of 100 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
Green onion sub group Leek; Onion, green; Onion, Welsh, tops; Shallot, fresh leaves; Chive, fresh leaves; Chive, Chinese, fresh leaves; Elegans hosta; Fritillaria; Kurrat; Lady's leek; Onion, Beltsville bunching; Onion, fresh; Onion, macrostem; Onion, tree, tops; Wild leek	Cutworms Leek moth (Suppression) Leafminers: <i>Liriomyza sativae</i> <i>Liriomyza trifolii</i>	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

RESTRICTIONS AND PRECAUTIONS: Green onion sub group

- Do not make more than 4 applications per season.
- Do not apply by air.
- Do not apply more than once every 5 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season.
- **Do not make a foliar application of Shenzi 400 SC Insecticide for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.**

GARDEN AND SUGAR BEETS

Spray Volume for Garden Beets and Sugar beets: Apply in a minimum finished spray volume of 100 L/ha by ground or 50 L/ha by air.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
Sugar beets Garden beets	Beet webworm	125 mL to 188 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

RESTRICTIONS AND PRECAUTIONS: Garden and Sugar Beet

- Do not make more than 4 applications per season.
- Do not apply more than once every 3 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL of Shenzi 400 SC Insecticide per ha per season. Use the high rate under heavy pest pressure.
- Thorough coverage is important to obtain optimum control.

CANEBERRIES – CROP SUBGROUP 13-07A

Spray Volume for Caneberries: Apply in a minimum finished spray volume of 500 L/ha.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
CANEBERRIES SUBGROUP Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen	Raspberry cane borer Raspberry crown borer	188 mL to 250 mL	Apply to first-instar when they are actively feeding in the cambium, before they tunnel into the root, crown or canes. Thorough coverage is important to obtain optimum control.

2024-1378
2024-06-04

berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these); Loganberry; Raspberry, black and red; Wild raspberry; Cultivars, varieties and/or hybrids of these			
---	--	--	--

RESTRICTIONS AND PRECAUTIONS: Caneberries

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 14 days.
- Do not apply less than 3 days before harvest. Observe a 3-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

BUSHBERRIES – CROP SUBGROUP 13-07B

Spray volume for Bushberries: Apply a minimum finished spray volume of 200 L/Ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
------	------	---	------------------------

<p>BUSHBERRIES SUBGROUP</p> <p>Blueberry, highbush; Blueberry, lowbush; Current, black; Current, red; Elderberry; Gooseberry; Huckleberry; Aronia berry; Buffalo currant; Chilean guava; European Barberry; Highbush cranberry; Honeysuckle, edible; Juneberry; Jostaberry; Lingonberry; Native current; Salal; Sea buckthorn;</p> <p>Cultivars, varieties and/or hybrids of these</p>	<p>Cranberry fruitworm</p> <p>Cherry fruitworm</p> <p>Obliquebanded leafroller</p> <p>Three-lined leafroller</p> <p>Lesser appleworm</p> <p>Redstriped fireworm</p> <p>Blueberry spanworm</p> <p>Japanese beetle (Suppression)</p>	<p>188 mL to 250 mL</p>	<p>Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimal control. Monitor populations and reapply a minimum of 7 days later if required.</p> <p>A single application may not control cherry fruitworm or cranberry fruitworm. Either a second application of Shenzi 400 SC Insecticide, or a subsequent application of a different pest control product registered for this use may be required for control of Cherry fruitworm or cranberry fruitworm.</p>
---	--	-----------------------------	--

RESTRICTIONS AND PRECAUTIONS: Bushberries

- For any of the pests listed use the high rate under heavy pest pressure
- Do not make more the 3 applications per season
- Do not apply by air.
- Do not apply more than once every 7 days
- Do not apply more than 1 day before harvest, observe a 1-day PHI
- Do not exceed more than 563 mL Shenzi 400 SC Insecticide per ha per season.

POME FRUITS – Crop Group 11

Spray volume for Pome Fruits: Apply in a minimum finished spray volume of 450 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
------	------	---	---------------------

POME FRUITS Apple; Crabapple; Loquat; Mayhaw; Pear; Pear, oriental; Quince	Apple clearwing moth (reduces numbers)	250 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control. Apply specified amount as a spray to wet application to the bottom 60 cm of tree trunk, at the first sign of apple clearwing moth feeding. Apply as a summer spray at 25% and 75% egg laying; 200 and 375 DD (10°C base temp), respectively, after first male pheromone trap catch (Biofix). Use a hand gun or backpack sprayer at high water volumes to ensure thorough coverage of tree trunks and scaffold limbs. Re-apply after 10-14 days if required.
---	--	--------	---

RESTRICTIONS AND PRECAUTIONS: Pome Fruits

- Do not make more than 3 applications per year.
- Do not apply by air.
- Do not apply more than once every 10 days.
- Do not apply less than 5 days before harvest. Observe a 5-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per year.

CRANBERRIES (Ground application)

Spray Volume for Cranberries: Apply in a minimum finished spray volume of 200 L/ha by ground.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
Cranberries	Cranberry fruitworm Sparganothis fruitworm Blackheaded fireworm	125 mL to 250 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control.

RESTRICTIONS AND PRECAUTIONS: Cranberries

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply more than once every 7 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per year

CRANBERRIES VIA CHEMIGATION:

Spray Volume for Cranberries via chemigation: Apply in a minimum spray volume of 3000 L/ha.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
Cranberries	Sparganothis fruitworm Blackheaded fireworm	250 mL	Begin applications when treatment thresholds have been reached. Thorough coverage is essential for optimum control.

RESTRICTIONS AND PRECAUTIONS: Cranberries via chemigation

- Do not make more than 2 applications per season by chemigation.

- Do not exceed a total of 500 mL of Shenzi 400 SC Insecticide per ha per season.
- Reapply if monitoring indicates it is necessary.
- The minimum interval between applications is 7 days.
- Do not harvest less than 1 day after application. Observe a 1-day PHI.

Directions for Chemigation:

DO NOT apply Shenzi 400 SC Insecticide by chemigation to other crops listed on this label.

Shenzi 400 SC Insecticide may be applied through a solid set overhead sprinkler irrigation system that will apply water uniformly and within the confines of a closed perimeter of dykes. Do not apply this product through any other type of irrigation system. Sprinkler systems that deliver a low coefficient of uniformity such as certain water drive units are not recommended. Non-uniform distribution of treated water may reduce effectiveness or result in illegal pesticide residues on the crop.

Proper calibration of the chemigation system is essential to deliver the desired rate per hectare in a uniform manner and to minimize wash-off time. If you have questions about calibration, contact the equipment manufacturer or other expert.

Equipment Requirements:

- The system must contain an air gap, or approved backflow prevention device, or approved functional check valve, vacuum relief valve (including inspection port), and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow unless the water is from a man-made self-contained source on private land.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve or one-way valve to prevent the flow of fluid back toward the injection pump. A secondary containment system around the injection port area must be in place.
- The pesticide injection pipeline must also contain a functional, normally closed, valve located on the intake side of the injection system to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection when the water pressure drops or water flow stops. Alternatively, in the absence of such an automatic system, the injection procedure must be continuously monitored by an operator who is able to manually shut off pesticide injection under the same circumstances.
- Systems must use a metering device, such as a positive displacement injection pump (or flow meter on eductor) effectively designed and compatible with pesticides and capable of being fitted with a system interlock.
- The tank holding the insecticide mixture should be free of rust, fertilizer, sediment, and foreign material, and equipped with an in-line strainer situated between the tank and the injection point.
- To ensure uniform mixing of the insecticide in the water line, inject the mixture in the center of the pipe diameter or just ahead of an elbow or tee in the irrigation line so the turbulence created at those points will assist in mixing. The injection point must be located after all back-flow prevention devices on the water line unless the water is from a man-made self-contained source on private land.

Precautions:

- **DO NOT** connect an irrigation system used for pesticide application to a public water system unless the required safety devices for public water systems are in place. Specific local regulations may apply and must be followed.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall operate the system and shall shut the system down to make necessary adjustments should the need arise.
- **DO NOT** apply when wind speed causes non-uniform distribution.
- **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the prescribed American Society of Agricultural Engineers (ASAE S572.1) fine classification. Applications must be conducted **WITHOUT** the use of end guns.
- **DO NOT** allow spray pattern to exceed the enclosed bed area.

SITE	PEST	RATE Shenzi 400 SC Insecticide/ha	SPECIFIC DIRECTIONS
STONE FRUITS Apricot; Apricot, Japanese; Cherry, black; Cherry, Nanking,; Cherry, sweet; Cherry, tart; Nectarine; Peach; Plum; Plum, American; Plum, beach; Plum, Canada; Plum, cherry; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plum, Klamath; Plum, prune; Plumcot; Prune, Sloe, Cultivars, varieties and hybrids of these commodities	Lesser peach tree borer Peach tree borer	188 mL to 250 mL	For optimum control of lesser peach tree borer and greater peach tree borer, apply Shenzi 400 SC Insecticide to tree trunks and lower branches using a coarse, low pressure spray. Do not use more than 2,000 L/ha spray volume. Always ensure thorough coverage for optimal results. Apply at egg hatch before larvae enter the trunk, use of pheromone traps to determine moth flight may aid in determining egg lay. Do not apply more than once every 10 days, additional applications may be needed if extended moth flight/egg laying occurs.

RESTRICTIONS AND PRECAUTIONS: Stone Fruits

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 3 applications per season.
- Do not apply by air.
- Do not apply more than once every 10 days.
- Do not apply less than 1 day before harvest. Observe a 1-day PHI.
- Do not exceed a total of 563 mL Shenzi 400 SC Insecticide per ha per season.

<minor use box ends>

Tank Mix Options:

To provide a broader spectrum of pest control, Shenzi 400 SC Insecticide may be tank-mixed with POUNCE® 384EC Insecticide. When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

SPRAYER CLEANUP:

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation.

Dispose of waste rinse water in accordance with local regulations.

APPLICATION INSTRUCTIONS

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Chemigation: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Applications **MUST** be conducted **WITHOUT** the use of end guns.”

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

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.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions for Aerial Application

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the ***National Aerial Pesticide Application Manual***, developed by the **Federal/Provincial/Territorial Committee on Pest Management and Pesticides**.

Product Specific Precautions for Aerial Application

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-438-6071 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:
Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

SPRAY BUFFER ZONES

Spray Buffer zones:

A spray buffer zone is **NOT** required for uses with hand-held application equipment permitted on this label. The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop		Spray Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:	
			Less than 1m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Potatoes, Root and Tuber vegetables, Fruiting vegetables, leafy vegetables, <i>Brassica</i> vegetables, Legume vegetables, cucurbit vegetables, corn, grass forage, fodder, and hay, non-grass animal feeds, mint, Oilseeds, okra, hops, globe artichokes, peanuts, green onion subgroup, sugar and garden beets, cereal grains, forage, fodder and straw of cereal grains, Cranberries, caneberries, Bushberries, and Low growing berries		1	1	1	0
Airblast	Pome fruits, grapes, stone fruit, bushberries, tree nuts	Early growth stage	10	4	1	0
		Late growth stage	5	2	1	0
Chemigation	Cranberries		1	1	1	0
Aerial	Potato, Corn (field, pop, seed and sweet), Legume vegetables, Oilseeds and cereal grains, forage, fodder and straw of cereal grains, sugar beets and	Fixed wing	15	1	1	0
		Rotary wing	10	1	1	0

	garden beets					
--	-----------------	--	--	--	--	--

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

MIXING INSTRUCTIONS:

Spray equipment must be clean and free of previous pesticide deposits before applying Shenzi 400 SC Insecticide. Fill spray tank 1/4 to 1/2 full of water. Add Shenzi 400 SC Insecticide directly to spray tank. Mix thoroughly to fully disperse the insecticide; once dispersed continued agitation is required. Once the product has been well mixed, add an adjuvant, where applicable, while continuously mixing. Recommendations regarding the use of adjuvants are provided under the Directions for Use Section of this label. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

SPRAYER CLEANUP:

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that Shenzi 400 SC Insecticide contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to Shenzi 400 SC Insecticide and other Group 28 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 are 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 Shenzi 400 SC Insecticide or other Group 28 insecticides with different groups that control the same pests.
- Make no more than 2 successive applications per generation to the same insect species on a crop. The following application to the target pest(s) must be with an effective product with a different mode of action.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- 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 UPL AgroSolutions Canada Inc. at 1-800-438-6071.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2024-1378
2024-06-04

UPL, the UPL logo and Shenzi are registered trademarks of a UPL Corporation Limited Group Company.
®/TM All other products are trademarks of their respective companies.
© 2023 UPL Corporation Limited Group Company