

2025-03-13
2023-6981

[Container Label]

GROUP	4D	INSECTICIDE
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ALTUS Insecticide

SOLUTION

For control of listed insect pests in greenhouse tomatoes, cucumbers, lettuce, peppers/eggplants (crop subgroup 8-09B), strawberries and ornamentals, outdoor ornamentals and Christmas trees

COMMERCIAL

ACTIVE INGREDIENT: Flupyradifurone.....200 g/L

REGISTRATION NUMBER 33176 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

POTENTIAL SKIN SENSITIZER

Distributed by:
Envu Canada
137 Glasgow Street, Suite 210
Office 111
Kitchener, Ontario N2G 4X8
Canada

Product Information: 1-800-331-2867
www.ca.envu.com

Registrant: Bayer CropScience Inc.

NET CONTENTS: 1 to 20 Litres

In case of spills, poisoning or fire, telephone emergency response number
1-800-334-7577 (24 hours a day).

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Potential skin sensitizer. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

DO NOT enter or allow worker entry into treated greenhouses, outdoor nurseries and Christmas tree plantations during the restricted entry interval (REI) of 12 hours. For all other treated areas (such as residential areas, public gardens, etc.), do not enter or allow entry into treated areas until sprays have dried.

Apply only 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.

PROTECTIVE CLOTHING AND EQUIPMENT:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean up and repair (unless otherwise specified below). Gloves are not required during application within a closed cab.

For handheld application, wear eye, head and respiratory protection when applying above waist height, including overhead.

For application using handheld airblast/mistblower equipment, wear chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. 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 and you require information regarding Maximum Residue Limits for an importing country, please contact 1-800-331-2867 or www.ca.envu.com.

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

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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.

TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL PRECAUTIONS AND INFORMATION: Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to adult bees in laboratory studies via oral exposure, however, not toxic to bees through contact exposure, and field studies conducted with this product have shown no effects on honeybee colony development. Minimize spray drift to reduce exposure to bees in habitats close to the application site. Application during the crop blooming period, and when flowering weeds are present may only be made in the early morning and the evening when most bees are not foraging. For greenhouse use, minimize potential risk to bees by avoiding application when bees are actively visiting the treatment area. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website (www.healthcanada.gc.ca/pollinators).

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. For greenhouse use, minimize potential risk to beneficial arthropods by avoiding application when beneficial arthropods are actively visiting the treatment area.

Flupyradifurone is persistent and may carryover. It is recommended that any products containing flupyradifurone not be used in areas treated with this product during the previous season.

Flupyradifurone and its transformation product difluoroacetic acid demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of flupyradifurone in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. To reduce runoff of flupyradifurone and its transformation product difluoroacetic acid 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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

STORAGE: Store in cool, dry place and away from food or feed. Store in original container and out of reach of children, preferably in a locked storage area.

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:

- Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
- 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 or territorial requirements.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

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.

[Booklet]

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Registrant: Bayer CropScience Inc.
SUITE 200
160 QUARRY PARK BLVD. SE
CALGARY AB T2C 3G3

NET CONTENTS: 1 to 20 Litres

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1-800-334-7577 (24 hours a day).

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GENERAL INFORMATION

Section 1: Notices

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.

Section 2: The Product

ALTUS Insecticide is intended for the control of insect pests in a wide variety of greenhouse vegetables, strawberries and ornamental crops, in outdoor nursery and landscape ornamentals, and in Christmas tree plantations. ALTUS Insecticide is a broad-spectrum insecticide that is acropetally systemic, moving from roots to the leaves in the case of soil applications. ALTUS Insecticide moves translaminarily through the leaf tissue in the case of foliar applications, and can provide control of pests on the underside of leaves. ALTUS Insecticide is readily absorbed into leaf tissue and is considered “rainfast” within 1 hour after spray dries.

SAFETY AND HANDLING

Section 3: Precautions, Protective Clothing and Equipment

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Potential skin sensitizer. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

DO NOT enter or allow worker entry into treated greenhouses, outdoor nurseries and Christmas tree plantations during the restricted entry interval (REI) of 12 hours. For all other treated areas (such as residential areas, public gardens, etc.), do not enter or allow entry into treated areas until sprays have dried.

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.

PROTECTIVE CLOTHING AND EQUIPMENT:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean up and repair (unless otherwise specified below). Gloves are not required during application within a closed cab.

For handheld application, wear eye, head and respiratory protection when applying above waist height, including overhead.

For application using handheld airblast/mistblower equipment, wear chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

- 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 and you require information regarding Maximum Residue Limits for an importing country, please contact 1-800-331-2867 or visit www.ca.envu.com.

Section 4: First Aid and Toxicological Information

FIRST AID

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

If swallowed	<ul style="list-style-type: none"> • 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 in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. • Call a poison control centre or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control centre or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air.

- | | |
|--|---|
| | <ul style="list-style-type: none">• 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. |
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TOXICOLOGICAL INFORMATION:

No specific antidote is available. Treat the patient symptomatically.

Section 5: Environmental Precautions and Information

Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Toxic to adult bees in laboratory studies via oral exposure, however, not toxic to bees through contact exposure, and field studies conducted with this product have shown no effects on honeybee colony development. Minimize spray drift to reduce exposure to bees in habitats close to the application site. Application during the crop blooming period, and when flowering weeds are present may only be made in the early morning and the evening when most bees are not foraging. For greenhouse use, minimize potential risk to bees by avoiding application when bees are actively visiting the treatment area. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website (www.healthcanada.gc.ca/pollinators).

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. For greenhouse use, minimize potential risk to beneficial arthropods by avoiding application when beneficial arthropods are actively visiting the treatment area.

Flupyradifurone is persistent and may carryover. It is recommended that any products containing flupyradifurone not be used in areas treated with this product during the previous season.

Flupyradifurone and its transformation product difluoroacetic acid demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of flupyradifurone in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff of flupyradifurone and its transformation product difluoroacetic acid 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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

Section 6: Storage

Store in cool, dry place Store this product away from food and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Section 7: Disposal

For Recyclable Containers: 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 or territorial requirements.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

DIRECTIONS FOR USE

Section 8: Crops, Pests, Application Rates and Methods

GREENHOUSE CROPS:

FOLIAR APPLICATION			
Crop	Pests Controlled	Rate	Remarks
Greenhouse Tomatoes, Cucumbers*, Lettuce, Crop Subgroup 8-09B Pepper/Eggplants: Pepper (bell and non-bell), Eggplant, African Eggplant, Pea Eggplant, Scarlet Eggplant, Martynia, Okra, Pepino, Roselle, and cultivars, varieties and hybrids of these commodities Strawberries	Aphids Leafhoppers	500 - 750 mL/ha	<ul style="list-style-type: none"> • Monitor crops and commence applications once local thresholds are reached. • Thorough, uniform coverage of the crop is required for optimum control. • Use the higher rate for higher pest infestation levels. • Minimum application volume is 500 L/ha. Use appropriate spray volume for adequate crop foliage spray coverage. Spray crop to wet not to drip. • Repeat applications may be made if necessary, providing the maximum amount of 2000 mL product/ha per crop cycle is not exceeded. • Minimum interval between applications: 7 days for tomatoes, cucumber, lettuce, strawberries and ornamentals. 10 days for peppers and eggplants (Crop Subgroup 8-09B). • Pre-Harvest Interval (PHI): 12 hours for strawberries, 1 day for tomatoes, cucumber and lettuce, 3 days for peppers and eggplants (Crop Subgroup 8-09B).
	Whiteflies	750 – 1000 mL/ha	
Greenhouse Ornamentals	Aphids Leafhoppers	500 – 750 mL/ha	<ul style="list-style-type: none"> • Maximum ALTUS Insecticide allowed per crop cycle: 2000 mL/ha (400 g ai/ha)
	Whiteflies Mealybugs	750 – 1000 mL/ha	

*May cause some leaf yellowing and/or mottling.

DRENCH APPLICATION			
Crop	Pests Controlled	Rate	Remarks
Greenhouse Tomatoes, Cucumbers*, Crop Subgroup 8-09B Pepper/Eggplants: Pepper (bell and non-bell), Eggplant, African Eggplant, Pea Eggplant, Scarlet Eggplant, Martynia, Okra, Pepino, Roselle, and cultivars, varieties and hybrids of these commodities Strawberries	Aphids Leafhoppers	750 – 1000 mL/ha (7.5 – 10 mL / 100 m ²)	<ul style="list-style-type: none"> • Monitor crops and commence applications once local thresholds are reached. • Use the higher rate for higher pest infestation levels. • To assure optimum effectiveness, the product must be placed where the roots of the plant can absorb the active ingredient. Application to soil or soilless media should be made with sufficient water to ensure incorporation into the root zone. • For applications to plants grown in soil or soilless media, follow with moderate irrigation. Irrigate carefully within the next 10 days in order to avoid loss of active ingredient due to leaching. • Re-apply only when monitoring indicates it is necessary, at a minimum interval of 7 days for tomatoes, cucumbers, lettuce, strawberries and ornamentals and 10 days for peppers and eggplants (Crop Subgroup 8-09B). • Pre-Harvest Interval (PHI): 12 hours for strawberries, 1 day for tomatoes, cucumber and lettuce, 3 days for peppers and eggplants (Crop Subgroup 8-09B). • Maximum ALTUS Insecticide allowed per crop cycle: 2000 mL/ha (400 g ai/ha)
	Whiteflies	1500 – 2000 mL/ha (15 – 20 mL / 100 m ²)	
Greenhouse Ornamentals: Herbaceous species, Woody perennials, trees and shrubs less than 1 m in height	Aphids Leafhoppers	750 – 1000 mL/ha (7.5 – 10 mL / 100 m ²)	
	Whiteflies Mealybugs	1500 – 2000 mL/ha (15 – 20 mL / 100 m ²)	

*May cause some leaf yellowing and/or mottling.

OUTDOOR NURSERY AND LANDSCAPE ORNAMENTALS:

FOLIAR APPLICATION			
Crop	Pests Controlled	Rate	Remarks
Ornamental Plants including Flowers, Foliage Plants, Shrubs, Trees, and Groundcovers	Aphids Leafhoppers	500 - 750 mL/ha	<ul style="list-style-type: none"> • Monitor crops and commence applications once local thresholds are reached. • Thorough, uniform coverage of the crop is required for optimum control. • Use the higher rate for higher pest infestation levels. • Minimum application volume is 500 L/ha. Use appropriate spray volume for adequate crop foliage spray coverage. Spray crop to wet not to drip. • Repeat applications may be made if necessary, providing the maximum amount of 2000 mL product/ha per year is not exceeded. • Minimum interval between applications: 7 days • Maximum ALTUS Insecticide allowed per year: 2000 mL/ha (400 g ai/ha)
	Whiteflies	750 – 1000 mL/ha	

CAUTION: Due to the large number of species, varieties and cultivars of ornamental plants, it is impossible to test every plant species for tolerance to Altus Insecticide. The user should test a small number of plants for sensitivity before considering application to the entire crop. When testing a small number of plants, wait at least two weeks after application to determine sensitivity. Do not apply to the ornamental plants if any negative or adverse crop response is observed, or if a test for sensitivity was not conducted.

CHRISTMAS TREES:

FOLIAR APPLICATION			
Crop	Pests Controlled	Rate	Remarks
Christmas trees	Aphids	500 - 750 mL/ha	<ul style="list-style-type: none"> • Apply as a directed foliar spray ensuring thorough coverage. • Minimum interval between applications: 7 days • Minimum application volume: 100 L/ha • Maximum ALTUS Insecticide allowed per crop season: 2000 mL/ha (400 g ai/ha)

MINOR USES:

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Bayer CropScience Inc. under the User Requested Minor Use Label Expansion program. For these uses, Bayer CropScience 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.

FOLIAR APPLICATION

Crop	Pests Controlled	Rate	Remarks
Outdoor Nursery and Landscape Plants: including flowers, foliage plants, shrubs, trees, and groundcovers	Spotted lanternfly (suppression)	500 - 750 mL/ha	<ul style="list-style-type: none"> • Monitor crops and commence applications once local thresholds are reached. • Thorough, uniform coverage of the crop is required for optimum control. • Use the higher rate for higher pest infestation levels. • Minimum application volume is 500 L/ha. Use appropriate spray volume for adequate crop foliage spray coverage. Spray crop to wet not to drip. • Repeat applications may be made if necessary, providing the maximum amount of 2000 mL

			<p>product/ha per year is not exceeded.</p> <ul style="list-style-type: none"> • Minimum interval between applications: 7 days • Maximum ALTUS Insecticide allowed per year: 2000 mL/ha (400 g ai/ha)
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CAUTION: Due to the large number of species, varieties and cultivars of ornamental plants, it is impossible to test every plant species for tolerance to Altus Insecticide. The user should test a small number of plants for sensitivity before considering application to the entire crop. When testing a small number of plants, wait at least two weeks after application to determine sensitivity. Do not apply to the ornamental plants if any negative or adverse crop response is observed, or if a test for sensitivity was not conducted.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Bayer CropScience Inc. under the User Requested Minor Use Label Expansion program. For these uses, Bayer CropScience 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.

FOLIAR APPLICATION

Crop	Pests Controlled	Rate	Remarks
Field grown true fir (<i>Abies</i> spp.), including Christmas trees	Balsam woolly adelgid (<i>Adelges piceae</i>)	1000 mL/ha	<ul style="list-style-type: none"> • Monitor crops and commence applications when crawlers are present, around bud-break of trees. • Thorough, uniform coverage of the crop is required for optimum control. • Apply in a spray volume of 1000 – 1200 L/ha. Use appropriate spray volume for adequate crop foliage spray coverage. Spray crop to wet not to drip. • Repeat applications may be made if necessary, providing the maximum amount of 2000 mL product/ha per year is not exceeded. • Minimum interval between applications: 7 days

			<ul style="list-style-type: none"> Maximum ALTUS Insecticide allowed per year: 2000 mL/ha (400 g ai/ha)
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Section 9: Application Instructions and Limitations

Do not make any foliar application of Altus Insecticide following a soil, in-furrow, or seed treatment application of a Group 4D Insecticide.

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application: **DO NOT** apply when wind speed is less than 1 km/h. 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.

Spray Buffer zones:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage,
- soil drench or soil incorporation.

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 Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Outdoor ornamentals, Christmas trees		1	1	1	1
Airblast	Outdoor ornamentals, Christmas	Early growth stage	5	2	3	1

	trees	Late growth stage	2	1	2	1
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When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASABE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product for conventional application equipment can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website. DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

Section 10: Mixing Instructions

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact 2022 Environmental Science CA Inc. at 1-800-331-2867 or visit www.ca.envu.com for information before applying any tank mix that is not specifically recommended on this label.

2022 Environmental Science CA Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

Do not tank mix with azole fungicides during bloom.

Section 11: Resistance Management Recommendations

For resistance management, please note that ALTUS Insecticide contains a Group 4D insecticide. Any insect population may contain individuals naturally resistant to ALTUS Insecticide and other Group 4D insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same sites. 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 ALTUS Insecticide or other Group 4D insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides 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.
- Before spraying ALTUS Insecticide, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial or IPM specialists.
- 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 1-800-331-2867 or visit www.ca.envu.com.