

AMBUSH® 500EC

Emulsifiable Concentrate Insecticide

AMBUSH 500EC is to be used for the control of listed pests under each of these sites:

- A) CROPS (EXCLUDING FRUIT AND NON-FOOD CROPS);
- B) FRUIT CROPS;
- C) OUTDOOR TREES AND SHRUBS (EXCLUDING WOODLANDS AND FORESTS);
- D) OUTDOOR TREATMENTS ON THE EXTERIOR SURFACES OF LISTED BUILDINGS; AND
- E) CONIFER SEEDLINGS GROWN IN FORESTRY NURSERY GREENHOUSES; AND
- F) FORESTRY AND WOODLAND USES (RESTRICTED USES).

COMMERCIAL – AGRICULTURAL

ACTIVE INGREDIENT: permethrin ... 500 g per litre

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

Store above 0°C

REGISTRATION NO.: 14882 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 – 1000 Litres



AMVAC CHEMICAL CORPORATION

4695 MacArthur Court, Suite 1200,

Newport Beach

CA 90023

1-888-GO-AMVAC (1-888-462-6822)

NOTICE TO USER

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

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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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 5 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 15-20 minutes. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Treat symptomatically.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid splashing concentrate in eyes, on skin or on clothing. When applying this product in enclosed areas or with equipment capable of producing respirable spray droplets (less than 10 microns in size), an adequate respirator should be worn.

For mechanically-pressurized handheld sprayer for mists, aerosols, and fogs applications, or entering treated areas before venting, wear chemical-resistant coveralls with a chemical-resistant hood over long pants, and long-sleeved shirt, 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 during mixing, loading, application, clean-up and repair.

For truck-mounted mistblower or airblast applications, wear a long-sleeved shirt, long pants, chemical-resistant gloves, and a chemical-resistant hat that covers the neck (e.g. Sou'Wester) during mixing, loading, application, clean-up and repair, or use a closed cab (for example, tractor cab/truck with windows rolled up).

For mechanically pressurized handgun applications, wear cotton coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, and shoes during mixing, loading, application, clean-up and repair.

For other application equipment wear long pants, long-sleeved shirt, chemical-resistant gloves, shoes, and socks during mixing, loading, application, clean-up and repair, unless otherwise specified. Gloves are not required during application within a closed cab. Apply only when the potential for drift to non-target areas of human habitation and human activity 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 birds.

Toxic to bees. Bees may be exposed through direct spray, spray drift, and residues on leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. 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). Follow crop specific directions for application timing.

For crops that are highly attractive to pollinators (apples, pears, nectarines, peaches, plums, canola, sunflowers) or when using managed bees for pollination services, do not apply during the blooming period. For applications on all other crops, avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland. Permethrin may impact predatory and parasitic arthropod species used in IPM programs within the treatment area. Unsprayed refugia for beneficial species of at least 1 metre from treatment area will help maintain beneficial arthropod populations.

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. To reduce risk to aquatic organisms from run-off, a vegetative filter strip of at least 10 metres wide between the field edge and adjacent, downhill aquatic habitats must be observed, as specified under DIRECTIONS FOR USE.

Greenhouse use: Toxic to bees and other beneficial insects. May harm bees and other beneficial insects, including those used in greenhouse production. Do not apply when bees or other beneficial insects are foraging in the treatment area.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in U.S., please contact company representatives at 1-888-GO-AMVAC.

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:

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IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING CALL 1-888-681-4261

GROUP

3

INSECTICIDE

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AMVAC CHEMICAL CORPORATION
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ENVIRONMENTAL PRECAUTIONS

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STORAGE

Store in a cool, dry, well ventilated area away from foodstuffs and out of the reach of children and animals. Keep product from freezing.

SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Amvac Chemical Corporation at 1-888-462-6822 for further information.

For spills and leaks; contain the liquid with dikes of inert material (soil, clay, kitty litter etc.). Absorb the spill onto inert material and shovel into a sealable waste container. On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container. On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. For more information on the disposal of waste and the clean up of spills, contact the Provincial Regulatory Agency or the manufacturer.

DISPOSAL

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IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING CALL 1-888-681-4261

DIRECTION FOR USE

AMBUSH 500EC is a synthetic pyrethroid insecticide. It is a stomach and contact insecticide with no systemic or fumigant effect. Therefore, it is very important to obtain excellent spray coverage. Apply by ground equipment only unless otherwise noted. Where multiple applications are allowed, treatment must only be repeated if pest problem persists or reoccurs. DO NOT exceed the application rate and number of applications per year for each use. Follow the re-application interval for each use.

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- F) FORESTRY AND WOODLAND USES (RESTRICTED USES).

Restrictions:

- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- DO NOT apply undiluted.
- DO NOT apply to people, pets, livestock, or sources of electricity.
- DO NOT apply when people, pets, or livestock are present.
- DO NOT allow people, pets or livestock to enter treated areas until sprays have dried.
- DO NOT allow spray to drip or allow drift onto non-target surfaces.
- Unless otherwise stated on this label, DO NOT apply to furniture, mattresses, linens, toys or clothing.
- In indoor areas, DO NOT apply to overhead areas or in confined spaces without appropriate respiratory and eye protection.
- In indoor areas, ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.
- For structural applications, use a coarse droplet size and low pressure spray not exceeding 345 kPa (50 psi) to avoid splashing onto non-target surfaces.
- Apply only when the potential for drift to non-target areas of human habitation and human activity is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.
- DO NOT apply as a space spray.
- Where multiple applications are allowed, treatment must only be repeated if pest problem persists or reoccurs. DO NOT exceed the application rate and number applications per year for each use. Follow the re-application interval for each use.
- A plant back interval of 60 days is required for all food/feed crops not currently listed on the label.
- To protect pollinators, follow the instructions regarding bees in the ENVIRONMENTAL PRECAUTIONS section.
- DO NOT allow releases, effluent or runoff from greenhouses or mushroom houses containing this product to enter lakes, streams, ponds or other waters.
- Cover crop or crop treated with AMBUSH 500EC should not be used for green feed for animals.

Vegetative Filter Strips:

A Vegetative Filter Strip (VFS) of at least 10 metres wide must be observed. The VFS is required between the field edge and adjacent, downhill aquatic habitats to reduce risk to aquatic organisms from run-off. Aquatic habitats include, but are not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. The VFS is to be composed of grasses and may also include shrubs, trees, or other

vegetation. The VFS must be maintained. Additional guidance can be found on the PMRA Environmental Risk Mitigation webpages. Both VFS and spray drift buffer zones must be observed.

Spray Drift Buffer Zones:

Spray drift buffer zones are to protect terrestrial and aquatic habitats from spray drift. Spray drift buffer zones are a separate requirement from VFS which are required to mitigate risks from run-off.

Field sprayer 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 8 km/h at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Air-induction nozzles must be used for the ground application of this product. 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.

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 8 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) medium-coarse classification. DO NOT apply under weather conditions of less than 50% relative humidity and temperatures greater than 20°C. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Spray buffer zones:

Use of the following spray methods or equipment do not require a buffer zone: hand-held or backpack sprayer and spot treatment. The 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.

Application method	Crop	Spray buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Blueberry	5	3	15	5	
	Canola, asparagus, barley, beet, field corn, flax, lettuce, oat, onion, pea, rye, sunflower, triticale, wheat, lentil	10	5	25	10	
	Chinese broccoli, wasabi, horseradish, bok-choi, peanut, radish, turnip	15	5	15	5	
	Snap bean	15	5	20	10	
	Ginseng, carrot, tobacco	20	10	25	10	
	Broccoli, Brussel sprout, cabbage, cauliflower, pepper, potato, sweet corn	35	15	25	10	
	Tomato	45	20	25	10	
Airblast	Blueberry	Early growth stage	60	55	70	60
		Late growth stage	50	45	60	50
	Apple	Early growth stage	75	65	80	70
		Late growth stage	60	55	70	60
	Grape, nectarine, peach	Early growth stage	80	70	80	70
		Late growth stage	70	60	70	60
	Plum	Early growth stage	80	70	80	75
		Late growth stage	70	60	70	60
Pear	Early growth stage	80	70	90	80	
	Late growth stage	70	60	80	70	
Aerial	asparagus, barley, beans, red (garden) beets, broccoli, Brussels sprouts, cabbage, canola (rape), carrots, cauliflower, corn, flax, lentils, lettuce, oats, onions, peas, peppers, potatoes, rye, sugar beets, sunflowers, triticale and wheat	Fixed wing	800	800	800	800
		Rotary wing	700	475	800	675
	Sweet corn	Fixed wing	800	800	800	800
		Rotary wing	800	650	800	700
	Snap beans (succulent, podded)	Fixed wing	800	800	800	800
		Rotary wing	800	650	800	750

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 (ASAE) category indicated on the labels for those tank mix partners. The spray buffer zones for airblast application of this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.. Buffer zones for field sprayer or aerial application CANNOT be modified using the Buffer Zone Calculator.

Toxic to bees and other beneficial insects. May harm bees and other beneficial insects including those used in greenhouse production. Do not apply when bees or other beneficial insects are foraging in the treatment area.

Restricted Entry Intervals

Crop	Activity	REI ^a
apple, nectarine, peach, pear, plum, asparagus, barley, canola, flax, oats, peanuts, peas, rape, rye, snap bean, sugar beet, wheat, lentils, beet, carrot, onion, potato, triticale, turnip, radish, wasabi, ginseng, horseradish, low/high bush blueberry, lettuce, bok-choi, tomato, pepper, tobacco, commercial woodland, broccoli, Brussels sprouts, cabbage, cauliflower, Chinese broccoli, Chinese cabbage, conifer/tobacco seedlings, ornamentals, greenhouse cucumbers, greenhouse tomato, fence rows, sunflowers, mushroom houses	all activities	12 hours
grape	girdling, turning	15 days
	tying/training, hand harvesting, leaf pulling by hand	2 days
	all other activities	12 hours
corn, sweet corn	hand detasselling, hand harvest	8 days
	all other activities	12 hours

REI = restricted entry intervals

^a If the REI for hand harvesting and the PHI are different, follow the longer of the two intervals for both the REI and PHI. If the crop is harvested mechanically, with no contact with the treated foliage or crop, follow the PHI. Some of the activities in the REI table are not routinely conducted on every farm for every crop. The REIs specified for an activity must be followed only if that activity is being performed.

A) INSTRUCTIONS FOR CROPS (EXCLUDING FRUIT AND NON-FOOD CROPS):

Toxic to bees. For all crops (excluding barley, oats, rye, wheat, and triticale): Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period. Follow additional restrictions below for canola and sunflower.

AMBUSH 500EC may be applied to the following crops:

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
BEETS CORN (excluding sweet corn) LETTUCE ONIONS SUGAR BEETS	Cutworms: Army Black Dark-sided Pale Western Red-backed White	Not applicable	140 - 300	Beets, Corn (excluding sweet corn), Lettuce, Onions and Sugar Beets: 7 days	DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year. Only one of these applications can be made by air per year.	Beets and Sugar beets: 2 days Lettuce and Onions: 1 day Corn: 30 days	<p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>
	Pale Western Cutworm						<p>Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare. Only 1 application at this higher rate can be made per year.</p>
CARROTS	Cutworms: Army Black Dark-sided Pale Western Red-backed White	Not applicable	140 - 300	14 days	DO NOT make more than 2 applications per year. Do not exceed 600 ml/ha per year. Only one of these applications can be made by air per year.	DO NOT apply within 2 days of harvest.	<p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Applications should</p>

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							<p>be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>
	Pale Western Cutworm						<p>Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare.</p>
LENTILS PEAS	<p>Cutworms: Army Black Dark-sided Pale Western Red-backed White</p>	Not applicable	140 - 300	7 days	<p>DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year.</p> <p>Only one of these applications can be made by air per year.</p>	<p>Do NOT make any applications after the 5 leaf stage.</p>	<p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>
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FLAX SUNFLOWERS	Cutworms: Army Black Dark-sided Pale Western Red-backed White	Not applicable	140 -300	7 days	DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year. Only one of these applications can be made by air per year.	Do NOT make any applications after the 5 leaf stage.	Sunflowers: Toxic to bees. DO NOT apply during the crop blooming period. Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.
	Pale Western Cutworm						Sunflowers: Toxic to bees. DO NOT apply during the crop blooming period. Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare. Only 1 application at this higher rate can be made per year.
ASPARAGUS	Cutworms	Not applicable	140	7 days	DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year. Only one of these applications can	DO NOT apply within 2 days of harvest.	DO NOT apply using aerial application equipment. Ground Application: To control cutworms during the cutting season, make 1 broadcast application by ground to bare soil after cutting when damage is first noticed. Apply in sufficient water for good coverage. Apply in the

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
					be made by air per year.		evening or at night when cutworm activity is highest.
	<p>Cutworms: Army Black Dark-sided Pale Western Red-backed White</p>	Not applicable	140 - 300			<p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500 EC will only control surface feeding or climbing stages of cutworms.</p>	
	<p>Pale Western Cutworm</p>	Not applicable	140 - 300			<p>Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare. Only 1 application at this higher rate can be made per year.</p>	

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
CANOLA (RAPE)	Crucifer Flea Beetle Striped flea beetle	Not applicable	70-140	7 days	DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year. Only one of these applications can be made by air per year.	Do NOT make any applications after the 5 leaf stage.	<p>Toxic to bees. DO NOT apply during the crop blooming period.</p> <p>Ground Application: Apply in sufficient water for good coverage when insects are present. Application should be made when the beetles are actively feeding. For severe infestations, use 140 mL per hectare.</p> <p>Aerial Application: Application by air is permitted, provided there is no hazard of drift to other crops or to areas occupied by people or livestock. Apply specified rate in 20-45 L water/ha.</p>
	Cutworms: Army Black Dark-sided Pale Western Red-backed White		140 - 300				<p>Toxic to bees. DO NOT apply during the crop blooming period.</p> <p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT.</p> <p>Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
	Pale Western Cutworm		140 - 300				Toxic to bees. DO NOT apply during the crop blooming period. Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare. Only 1 application at this higher rate can be made per year.
CABBAGE CAULIFLOWER BROCCOLI BRUSSELS SPROUTS	Cabbage Looper Imported Cabbage Worm Diamond back Moth Larvae Crucifer Flea Beetle	Not applicable	70-140	7 days	DO NOT make more than 4 applications per year. Do not exceed 600 ml/ha per year. Only one of these applications can be made by air per year.	Cabbage, cauliflower and Brussel sprouts: 3 days Broccoli: 7 days	DO NOT apply using aerial application equipment. Ground Application: Apply with ground application in 400-675 L of water per hectare on a 7-10 day schedule when insects or insect damage first appears. For severe infestations, use 140 mL per hectare. Add AGRAL® 90 wetting agent at 300 mL per 1000 L of water to improve wetting and coverage.
	Cutworms: Army Black Dark-sided Pale Western Red-backed White		140 - 300				Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only 2 applications at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.
	Pale Western Cutworm		140 - 300				Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves,

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
							apply 225 -300 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225-300 mL per hectare. Only 2 applications at this higher rate can be made per year.
CHINESE BROCCOLI	Cabbage Looper Diamond back Moth Larvae Imported Cabbage Worm	Not applicable	70-140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 ml/ha per year.	DO NOT apply within 7 days of harvest	DO NOT apply using aerial application equipment. Ground Application: Apply with ground application in 400-675 L of water per hectare on a 7-10 day schedule when insects or insect damage first appears. Add AGRAL® 90 wetting agent at 300 mL per 1000 L of water to improve wetting and coverage. For severe infestation, use 140 mL per hectare.
	Cutworms: Army Black Dark-sided Pale Western Red-backed White		140 - 300				Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Only up to 2 applications at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.
	Pale Western Cutworm		140 - 300				To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225 -300 mL per hectare. Only up to 2

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
							applications at this higher rate can be made per year.
SWEET CORN	European Corn Borer Corn Earworm	Not applicable	200 - 275	3 days	DO NOT make more than 4 applications per year. Do not exceed 1152 ml/ha per year. Only one of these applications can be made by air per year.	DO NOT apply within 1 day of harvest.	<p>Ground Application: Apply specified dosage in 325-450 L of water/ha using a boom and nozzle arrangement that ensures thorough spray coverage. Use the higher rate when severe insect pressure is anticipated. Spray no later than when first feeding is seen on the foliage. For second brood borers in late plantings, apply before tassels show. For control of corn earworm, direct the spray to ensure coverage of ears and silks. For application timing, follow the customary spray schedule in your region. Consult the provincial spray calendar.</p> <p>Aerial Application: Application by air is permitted, provided there is no hazard of drift to other crops or to areas occupied by people or livestock. Apply specified rate in 20-45 L water/ha.</p>
	Fall Armyworm		140				<p>Aerial or Ground Applications: See above for specific instructions. This treatment will not prevent internal cob damage if insect has penetrated ear.</p>
WHEAT RYE BARLEY OAT TRITICALE	Pale Western Cutworm	Not applicable	140 - 300	7 days	DO NOT make more than 2 applications per year. Do not exceed 300 ml/ha per year. Only one of these applications can be made by air per year.	Do NOT make any applications after the 5 leaf stage.	<p>Ground Applications: Apply once in a specified dosage in enough water to ensure thorough coverage. Apply 140 mL/ha of product to control this insect attacking seedlings up to the 5 leaf stage. Under dry soil conditions, on muck soil or where cutworms are large (2.5-4 cm) use 225 - 300 mL/ha of product. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. Do not disturb the soil surface for 5 days after treatment. AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
	<p>Cutworms: Army Black Dark-sided Pale Western Red-backed White</p>						<p>Aerial Applications: Application by air is permitted, provided there is no hazard of drift to other crops or to areas occupied by people or livestock. Apply specified rate in 11-35 L of water/ha. Apply when wind is less than 10 km/h. Do not apply to seedlings of the crops specified here when they are larger than the 5-leaf stage. To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225 - 300 mL per hectare. AMBUSH 500 EC will only control surface feeding stages of cutworms.</p> <p>Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225 - 300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225 - 300 mL/ha. Only 1 application at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>
CUCUMBER (Greenhouse)	Green house Whitefly	200	Not applicable	10 days	DO NOT make more than 6 applications per year. Do not exceed 1100 ml/ha per season.	Do not apply within 1 day of harvest.	Toxic to bees and other beneficial insects. May harm bees and other beneficial insects including those used in greenhouse production. Do not apply when bees or other beneficial insects are

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
							foraging in the treatment area. Ground Application: Apply to cover all foliage thoroughly.
GINSENG	Cutworms: Army Black Pale Western Red-backed White Variegated	Not applicable	140 - 300	14 days	DO NOT make more than 2 applications per year. Do not exceed 600 ml/ha per year.	DO NOT apply within 40 days of harvest	DO NOT apply using aerial application equipment. Ground Application: Apply in sufficient water to cover all foliage thoroughly. Use the higher rate if the infestation is heavy. Apply when scouting indicates presence of pest. Under dry soil conditions, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225-300 mL/ha. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest.
	Four-lined Plant Bug		140-200				DO NOT apply using aerial application equipment. Ground Application Only.

<p>MUSHROOM (Mushroom house and adjacent premise areas)</p>	<p>Mushroom flies – Sciarid Phorid adults</p>	<p>Not applicable</p>	<p>50 – 65 ml /1000m³ and see remarks</p>	<p>DO NOT APPLY more than once daily.</p>	<p>DO NOT APPLY more than two applications between each break.</p> <p>Maximum of 20 applications per crop cycle (including breaks).</p> <p>DO NOT APPLY more than 63 applications in a year.</p>	<p>DO NOT APPLY within 1 day of manual or mechanical harvesting (1 day PHI).</p>	<p>For the control of sciarid and phorid adults in mushroom houses.</p> <p>DO NOT USE when air temperature is less than 12°C or greater than 30°C as this could reduce the effectiveness of Ambush 500E.</p> <p>For manual mushroom harvesting (hand picking) operations: Use AMBUSH 500EC prior to filling, during cool down, during spawning, up to pinning and during post-production operations (between crop cycles). Make applications when there are no mushrooms above the substrate surface. The application must be such that the mushrooms will not be contacted with product during the application. If an application is required anytime when mushrooms are above the substrate surface the crop must be covered prior to application with an impermeable material to avoid direct contact to the mushrooms, for example between breaks. These restrictions are to minimize worker exposure.</p> <p>For mechanical mushroom harvesting operations: Use AMBUSH 500EC prior to filling, during cool down, during spawning, up to pinning, between breaks and during post-production operations (between crop cycles). DO NOT allow manual harvesting of mushrooms.</p> <p>Prepare the building and apply this product following these steps:</p> <ol style="list-style-type: none"> 1. Close all doors, windows and ventilators. 2. Lock or barricade all entrances, turn off pilot lights, post warning signs and take precautions to prevent persons and animals from entering the area. 3. Apply a fogging or aerosol treatment at the rate of 50 – 65 ml per 1 L of water per 1000 m³. 4. Length of exposure time should be limited to one hour, and then fully
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							<p>ventilate the mushroom house with forced air circulation or the aid of exhaust fans to minimize surface deposits. Routine procedures for reducing fly populations need to be carefully followed to ensure adequate adult fly control in the mushroom crop and to reduce the necessity for pesticide applications. Consult provincial mushroom specialist for details of integrated Pest Management programs to be followed for sciarid and phorid fly control in mushroom houses.</p>
BOK-CHOI CHINESE CABBAGE	Cabbage Looper Imported Cabbage Worm Diamond back Moth Larvae	Not applicable	140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 ml/ha per year.	DO NOT apply within 3 days of harvest	<p>DO NOT apply using aerial application equipment. Ground Application: Apply by ground application in 400-675 mL of water per hectare on a 7-10 day schedule when insects or insect damage first appears. Add AGRAL®90 wetting agent at 300 mL per 1000 L of water to improve wetting and coverage.</p>
	Cutworms: Army Black Dark-sided Pale Western Red-backed White		140 - 300				<p>DO NOT apply using aerial application equipment. Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225-300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225 -300 mL/ha. Only up to 2 applications at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>

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PEANUTS	Potato Leafhopper	Not applicable	140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 mL /ha per year.	DO NOT apply within 14 days of harvest	DO NOT apply using aerial application equipment. Ground Application: Apply by ground application in sufficient water for thorough coverage when infestation exceeds 2 leafhoppers per plant.
PEPPERS	European Corn Borer	Not applicable	140	7 days	DO NOT make more than 4 applications per year. Do not exceed 600 ml/ha per year.	DO NOT apply within 1 day of harvest.	Ground Application: Apply by ground application when borer is first noted between end of July to mid-September.
	Cutworms: Army Black Dark-sided Pale Western Red-backed White		140 - 300				Ground Application: To control these insects attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225 - 300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225 - 300 mL/ha. Only 2 applications at this higher rate can be made per year. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT. Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.
POTATO	Colorado Potato Beetle Potato Flea Beetle Potato Leafhopper Tarnished Plant Bug	Not applicable	140 - 200	7 days	DO NOT make more than 4 applications per year. Do not exceed 1200 ml/ha per year. Only one of these applications can be made by air per year.	DO NOT apply within 1 day of harvest.	Ground Application: Apply in sufficient water for thorough coverage. Use the higher rate for heavy infestations. Aerial Application: Apply in 20 to 45 L of water for thorough coverage. Use the higher rate for heavy infestations. May be applied up to the day before harvest.
	Variigated (Climbing) Cutworm		140				Ground Application: Apply by ground application when insects or damage appears - usually late July or during August, depending on location. Good control is dependent on spray penetration of dense foliage.
	Cutworms: Army		140 - 300				Ground Application: To control these insects

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	Black Dark-sided Pale Western Red-backed White						<p>attacking seedlings (up to 5 leaves) and/or transplants of these crops, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or on muck soil, apply 225 - 300 mL/ha. Where cutworms are large (near full maturity - 2.5 - 4 cm) use 225 - 300 mL/ha. Applications should be made under warm, moist conditions in the evening or at night when cutworm activity is highest. DO NOT DISTURB THE SOIL SURFACE FOR 5 DAYS AFTER TREATMENT.</p> <p>Note: AMBUSH 500EC will only control surface feeding or climbing stages of cutworms.</p>	
	Pale Western Cutworm						140 - 300	<p>Aerial Application: To control this insect attacking seedlings; specifically crops meeting the criteria of seedlings up to 5 leaves, apply 140 mL/ha in sufficient water for good coverage. Under dry soil conditions or where cutworms are large (near full maturity - 2.5 to 4 cm) use 225 - 300 mL per hectare.</p>
	European Corn Borer						140	<p>Ground Application: Apply in sufficient water for good coverage. Apply when egg masses begin to hatch. Consult your crop specialists for appropriate spray schedule.</p> <p>Aerial Application: Application by air is permitted, provided there is no hazard of drift to other crops or to areas occupied by people or livestock. Apply specified rate in 20-45 L water/ha.</p>
RADISH	Crucifer Flea Beetle	Not applicable	140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 ml/ha per year.	DO NOT apply within 2 days of harvest	<p>DO NOT apply using aerial application equipment.</p> <p>Ground Application: Apply by ground application when insects or insect damage appears.</p>	
HORSERADISH	Crucifer Flea Beetle	Not applicable	140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 ml/ha per year.	DO NOT apply within 2 days of harvest	<p>DO NOT apply using aerial application equipment.</p> <p>Ground Application: Apply by ground application when insects or insect infestation appears.</p>	

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
SNAP BEANS	European Corn Borer	Not applicable	200	10 days	DO NOT make more than 3 applications per year. Do not exceed 600 ml/ha per year. Only two of these applications can be made by air per year.	DO NOT apply within 7 days of harvest	Ground Application: Apply at the first sign of infestation. Aerial Application: Apply in 20 to 45 L of water at the first sign of infestation.
TOBACCO (Field)	Darksided Cutworm White Cutworm	Not applicable	140	7 days	Maximum 2 applications per year Do not exceed 280 ml/ha per year.	DO NOT apply within 55 days of harvest	DO NOT apply using aerial application equipment. Ground Application: Make ground applications as either a cover crop treatment, soil treatment or post transplanting treatment using a total spray volume of 225 - 450 L per hectare using nozzle pressure of 175-350 kPa. Cutworm activity is greatest during the late evening and night. Application of AMBUSH 500EC should be timed as close as possible to insect feeding activity.
TOBACCO COVER CROP TREATMENT			140			DO NOT apply using aerial application equipment. Ground Application: Apply once to a rye or wheat cover crop when the crop is 10-15 cm high, 4 to 5 days before ploughdown. Application should also be made to fence rows and a 15 metre strip into nearby cover crop. Cover crops treated with AMBUSH 500EC should not be used as a green feed for animals.	
TOBACCO SOIL TREATMENT			140 - 275			DO NOT apply using aerial application equipment. Ground Application: Apply once 5 days before transplanting. Use the higher rate when the top 1 cm or more of soil is dry. Do not incorporate. Application should also be made to fence rows and a 15 metre strip into nearby cover crop. Do not disturb the soil surface for at least 5 days after treatment.	
TOBACCO POST			140			Do not apply within 55	DO NOT apply using aerial application equipment.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
TRANSPLANTING TREATMENT						days of harvest.	Ground Application: Apply once to transplants immediately prior to anticipated cutworm feeding damage. Under conditions of severe insect pressure, applications should also be made to fence rows and a 15 metre strip into nearby cover crops.
Tobacco (Greenhouse)	Dark-sided cutworm, White cutworm	Not applicable	120	Not applicable	DO NOT make more than 1 application per year	Not applicable	Mix 4 ml AMBUSH 500EC in 50 L of water and apply in 15 L of water to 100m ² of plant bed
TOMATOES (Greenhouse)	Green house Whitefly	280	Not applicable	10 days	DO NOT make more than 6 applications per year. Do not exceed 1800 ml/ha per year.	Do not apply within 1 day of harvest.	Toxic to bees and other beneficial insects. May harm bees and other beneficial insects including those used in greenhouse production. Do not apply when bees or other beneficial insects are foraging in the treatment area. Ground Application: Apply to cover all foliage thoroughly.
TOMATOES (Field)	Colorado Potato Beetle Potato Flea Beetle Tomato Hornworm Variegated (Climbing) Cutworm	Not applicable	140 - 200	7 days	DO NOT make more than 5 applications per year. Do not exceed 1400 mL/ha per year.	Do not apply within 1 day of harvest.	DO NOT apply using aerial application equipment. Ground Application: Apply by ground application in sufficient water to give thorough coverage.
	Tomato Fruitworm (Corn Earworm)	Not applicable	200-280				DO NOT apply using aerial application equipment. Ground Application: Apply by ground application using the higher rate for heavy infestations. NOTE: Tomato Fruitworm that has entered the fruit will not be controlled.
TURNIP	Crucifer Flea Beetle	Not applicable	140	7 days	DO NOT make more than 3 applications per year. Do not exceed 420 mL/ha per year.	Do not apply within 1 day of harvest.	DO NOT apply using aerial application equipment. Ground Application: Apply by ground application at the 2-8 leaf stage when insects or insect damage appears. DO NOT apply later than the 8-leaf stage.
Wasabi	Cabbage Looper, Imported Cabbage Looper, Diamondback Moth Larvae	Not applicable	70 - 140	7 days	DO NOT make more than 4 applications per year. Do not exceed 560 ml/ha per year.	DO NOT apply within 7 days of harvest.	DO NOT apply using aerial application equipment. Ground Application: Apply 70 to 140 mL in 400 to 674 L of water per hectare. Apply on a 7 to 10 day schedule when insects or insect damage first appear.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR OR CROP CYCLE	MINIMUM PREHARVEST INTERVAL	REMARKS
	and Crucifer Flea Beetle						Add AGRAL® 90 wetting agent at 300 mL per 1000 L of water to improve wetting and coverage.

B. INSTRUCTIONS FOR FRUIT CROPS:

AMBUSH 500EC may be applied to the following fruit crops:

DO NOT apply using aerial application equipment FOR ANY FRUIT CROPS. Ground application only permitted. For the fruit crops listed below, mL per 1000 L is for use as a dilute foliar spray. Millilitres per hectare is for use with concentrate sprays. Follow provincial spray calendars for optimum timing of spray applications. Where a rate range is suggested use the higher rate where heavy insect pressure is anticipated. Use sufficient water for thorough coverage. Ground application only.

NOTE: Repeat applications are not advised in orchards where integrated pest management is in effect because severe reductions of beneficial arthropods may result. Toxic to bees. For all crops: Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period. Follow additional restrictions below for apples, pears, nectarines, peaches and plums.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR	PREHARVEST INTERVAL	REMARKS
APPLE	Winter Moth Eastern Tent Caterpillar	<i>Not applicable</i>	200	14 days	DO NOT make more than 3 applications per year. Of these only 2 drench and 1 foliar application are allowed per year. Do not exceed 1072 ml/ha per year for foliar applications.	DO NOT APPLY less than 7 days before harvest.	Toxic to bees. DO NOT apply during the crop blooming period.
	Eyespotted Bud Moth	<i>Not applicable</i>	200 - 400				
	Plum Curculio White Apple Leafhopper	<i>Not applicable</i>	275 - 400				
	Tentiform Leafminer Green Fruitworm Apple Maggot Codling Moth Leafrollers Tarnished Plant Bug Mullein Plant Bug Lesser Appleworm	<i>Not applicable</i>	400				
	Apple Bark Borer Dogwood Borer	Mix 17 mL in 100 L of water with 2 L of Superior 70 Oil.	<i>Not applicable</i>				Toxic to bees. DO NOT apply during the crop blooming period. When monitoring indicates adults are active (late June to early August) apply to apple trunks as drench spray to runoff using a knapsack, handgun, or airblast sprayer.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATI ON INTERVAL	MAXIMIM NUMBER OF APPLICATIONS PER YEAR	PREHARVEST INTERVAL	REMARKS
							A second application may be applied 14 days later if adults continue to be present.
BLUEBERRIES (Vegetative year only)	Thrips	Not applicable	140	Not applicable	DO NOT make more than 1 application per year.	Not applicable	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period. Make one application between mid-May and early June when plants are 1-2 cm tall.
PEAR (Eastern Canada only)	Pear Psylla (adults & nymphs) Codling Moth Green Fruitworm	<i>Not applicable</i>	400	7 days	DO NOT make more than 1 application per year.	DO NOT APPLY less than 7 days before harvest.	Toxic to bees. DO NOT apply during the crop blooming period.
PEAR (British Columbia)	Pre-Bloom Pear Psylla (over Wintering adults)	<i>Not applicable</i>	400	7 days	DO NOT apply more than 2 applications per year. Do not exceed 850 ml/ha per year.	DO NOT APPLY less than 7 days before harvest at the 400 ml rate and less than 14 days before harvest at the greater than 400 ml rate.	Toxic to bees. DO NOT apply during the crop blooming period. Apply up to 1 cm green stage of pear foliage growth. DO NOT USE in B.C. for control of nymphal stages of Pear Psylla.
	Post-Bloom Pear Psylla	<i>Not applicable</i>	400 - 850				
PEACHES NECTARINES	Oriental Fruit Moth	<i>Not applicable</i>	200 - 400	14 days	DO NOT make more than 2 applications per year. Do not exceed 800 ml/ha per year.	DO NOT APPLY less than 7 days before harvest.	Toxic to bees. DO NOT apply during the crop blooming period.
	Plum Curculio Plant Bugs	<i>Not applicable</i>	200				
PLUMS	Plum Curculio	<i>Not applicable</i>	425	14 days	DO NOT make more than 2 applications per year. Do not	DO NOT APPLY less than 7 days	Toxic to bees. DO NOT apply during the crop

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR	PREHARVEST INTERVAL	REMARKS
					exceed 850 ml/ha per year.	before harvest.	blooming period.
GRAPES	Grape Berry Moth	<i>Not applicable</i>	275	7 days	DO NOT make more than 4 applications per year. Do not exceed 1100ml/ha per year.	DO NOT APPLY less than 7 to 21 days before harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period.
	Grape Leafhopper	<i>Not applicable</i>	140	7 days			

C. INSTRUCTIONS FOR OUTDOOR ORNAMENTAL TREES AND SHRUBS (EXCLUDING FORESTRY AND WOODLANDS):

Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period.

DO NOT apply using aerial application equipment FOR ANY ORNAMENTAL TREE OR SHRUB. Ground application only permitted. For control of certain insect on listed ornamental trees and shrubs grown for ornamental value only (excluding woodlands and forests), including those grown in commercial nurseries.

Application Equipment: The control achieved in any spray operation depends on the care taken during application. The correct type of equipment for the job should be selected. Powered, high-pressure sprayers and mist blowers are most suitable for treating large trees (or stands of trees) that are readily accessible from the ground.

High-pressure sprayers deliver a large volume of dilute spray mixture, and a sufficient quantity should be used to wet all of the foliage. Mist blowers are designed to apply a low volume of a concentrated insecticide mixture, and only enough should be used to moisten the foliage. Handpumped sprayers are usually adequate for treating medium-sized ornamentals up to 4.5 m in height. Mix AMBUSH 500EC as for dilute spraying. NOTE: only pest contacted by the pesticide will be killed and as such, leafmining sawflies or root aphids would not be controlled.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	(MAXIMUM) PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR	REMARKS
BALSAM FIR DOUGLAS FIR LARCH (Tamarack)	Douglas Fir Tussock Moth White Marked Tussock Moth	Not applicable	35 - 70	Not applicable	Make one application per year	Apply using application equipment available and dilutions suitable to equipment. Applications should be calculated

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	(MAXIMUM) PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER YEAR	REMARKS
PINE TREES SPRUCE	Spruce Budworm Coneworm Open Feeding Sawflies					and made on the basis of volume per tree to ensure proper coverage while limiting off-target spray.
OTHER CONIFEROUS TREES & SHRUBS	Douglas Fir Tussock Moth White Marked Tussock Moth Spruce Budworm (Spruce) Coneworm Open Feeding Sawflies	Not applicable	70	Not applicable	Make one application per year	Control of the listed insects on coniferous tree and shrub species not listed is acceptable provided the species is tested for phytotoxic effect prior to use. Spray a small, inconspicuous portion of the tree or shrub under test and wait for 24 hours to see if any adverse effects appear.
DECIDUOUS TREES & SHRUBS	Eastern Tent Caterpillar Euonymus Webworm Fall Webworm Forest Tent Caterpillar Open Feeding Aphids	70	N/A	Not applicable	Make one application per year	Apply as a dilute spray (for mist blowers use 75 L of water). Apply when insects are first noticed.
SEEDLING TREE NURSERIES	Cutworm	Not applicable	140	21 days	DO NOT make more than 2 applications per year.	Application should be made under warm, moist conditions when larvae are small (up to 2.5 cm).
WILLOW POPLAR	Satin moth caterpillars (<i>Leucoma salicis</i>)	70	N/A	Not applicable	Make one application per year	Apply in 1000L water as a dilute spray when pest is first noticed (late May to mid-August).

D. INSTRUCTIONS FOR OUTDOOR TREATMENTS ON THE EXTERIOR SURFACES OF LISTED BUILDINGS:

How to Apply:

Spot Application: Spot application is localized to a surface area not more than 0.2 m². Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area treated.

Outdoor Structural Broadcast: Outdoor broadcast application is to large outdoor structural surfaces (i.e. roofs, walls, doors, windows and foundations.).

For use at barracks, mess halls, drill halls, hangers, warehouses, equipment buildings, farm buildings and other non-residential buildings where cluster flies and spiders have become a nuisance. DO NOT treat patios, porches, decks, gazebos or play structures.

- DO NOT apply in residential areas. Residential areas are defined as any use site where the general public, including children, could be exposed during or after application. For structural uses, in residential sites, this includes homes, schools, restaurants, public buildings, modes of transport in areas where passengers are present, or any other areas where the general public including children may potentially be exposed.
- DO NOT apply when people, pets, or livestock are present.
- DO NOT allow people, pets, or livestock to enter treated areas until sprays have dried.
- DO NOT allow spray to drip or allow drift onto non-target surfaces.
- For structural applications, use a coarse droplet size and low pressure spray not exceeding 345 kPa (50 psi) to avoid splashing onto non-target surfaces.

PEST(S)	APPLICATION METHOD (SEE HOW TO APPLY FOR FURTHER INFORMATION)	CONCENTRATION (mL OF PRODUCT/100 L OF WATER)	(MAXIMUM) PRODUCT RATE	NOTES FOR SPECIFIC PESTS:
CLUSTER FLIES	Spot Outdoor Structural Broadcast	1000 mL	DO NOT exceed a rate of 10 L of spray mixture per 100 m ² .	Cluster flies are members of the fly family (Diptera) and resemble house flies. They are distinguished by their sluggish and erratic behaviour and by wings that overlap when at rest. They derive their name from their habit of entering a building in the fall and clustering together to overwinter. The search for protected places to overwinter begins as days shorten in mid-August. Warm sunny walls draw the flies as the climate cools during this search. This offers an opportunity to control the fly population outside the building. Spray this mixture to the outside walls, including under the eaves, soffits and window trim. The effective time of application is between mid-August and the end of September depending on weather conditions.
SPIDERS	Spot Outdoor Structural Broadcast	1000 mL	DO NOT exceed 10 L of spray mixture per 100 m ² .	Apply to the exterior surfaces of buildings where spiders congregate especially under eaves and soffits of buildings. Apply when heavy infestations of spiders are observed.

E) INSTRUCTIONS FOR CONIFER SEEDLINGS GROWN IN FORESTRY NURSERY GREENHOUSES

Toxic to bees and other beneficial insects. May harm bees and other beneficial insects including those used in greenhouse production. Do not apply when bees or other beneficial insects are foraging in the treatment area.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	MAXIMUM PRODUCT RATE (mL OF PRODUCT/ HECTARE)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER CROP CYCLE/YEAR	REMARKS
CONIFER SEEDLINGS GROWN IN FORESTRY NURSERY GREENHOUSES: Spruce Pine Cedar Yew Juniper	Strawberry Root Weevil	500 mL of AMBUSH 500EC see remarks	Not applicable	21 days	DO NOT make more than 2 applications per year	Apply 50 mL of product per 100 L of water to runoff when adults emerge and before egg laying begins. One application correctly timed per year should give control of adults. A second treatment may be made 21 days after monitoring shows continued presence of adults.

F) INSTRUCTIONS FOR FORESTRY AND WOODLAND USES (RESTRICTED USES)

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.

NATURE OF RESTRICTION

To be used only in the manner authorized; contact provincial regulatory authorities about use permits which may be required.

RESTRICTED USES

Woodland use: DO NOT apply using aerial application equipment. Apply by ground application only. Use in Christmas tree plantations, high valued stands used for seed production, and other high-valued woodland areas that are extensively managed. Contact provincial or federal forestry and/or fishery officials for advice before local spraying of woodlands. This product may be used in woodlands under supervision of provincial or federal forestry officials.

APPLICATION EQUIPMENT

The control achieved in any spray operation depends on the care taken during application. The correct type of equipment for the job should be selected. Powered, high-pressure sprayers and mist blowers are most suitable for treating large trees (or stands of trees) that are readily accessible from the ground. High-pressure sprayers deliver a large volume of

dilute spray mixture, and a sufficient quantity should be used to wet all of the foliage. Mist blowers are designed to apply a low volume of a concentrated insecticide mixture, and only enough should be used to moisten the foliage. Hand-pumped sprayers are usually adequate for treating medium-sized ornamentals up to 4.5 m in height. Mix AMBUSH 500EC as for dilute spraying.

PRECAUTION

WHEN USING AS DIRECTED IN WOODLANDS, DO NOT APPLY WITHIN 100 M OF PRODUCTIVE FISHERY WATERS OR WATERFOWL HABITATS. SEE ADDITIONAL PRECAUTIONS ON THIS LABEL.

NOTE: only pest contacted by the pesticide will be killed and as such, leafmining sawflies or root aphids would not be controlled.

CROP(S)	PEST(S)	CONCENTRATION (mL OF PRODUCT/ 1000 L OF WATER)	(MAXIMUM) PRODUCT RATE (mL OF PRODUCT/HA)	MINIMUM REAPPLICATION INTERVAL	MAXIMUM NUMBER OF APPLICATIONS PER CROP CYCLE/YEAR	REMARKS
BALSAM FIR DOUGLAS FIR LARCH (Tamarack) PINE TREES SPRUCE	Douglas Fir Tussock Moth White Marked Tussock Moth Spruce Budworm Coneworm Open Feeding Sawflies	Not applicable	35 - 70	Not applicable	1 application per year	Apply using application equipment available and dilutions suitable to equipment. Applications should be calculated and made on the basis of volume per tree to ensure proper coverage while limiting off-target spray.
BALSAM FIR	Hemlock Looper	Not applicable	35 - 70	Not applicable	1 application per year	Apply between first and third instar. Apply using application equipment available and dilutions suitable to equipment. Applications should be calculated and made on the basis of volume per tree to ensure proper coverage while limiting off-target spray.
SPRUCE	Spruce Bud moth	Not applicable	140	Not applicable	1 application per year	Apply at beginning of hatch (mid-May). Precise timing is important. Contact forestry officials for advice. Apply using application equipment available and dilutions suitable to equipment. Applications should be calculated and made on the basis of volume per tree to ensure proper coverage while limiting off-target spray.
OTHER CONIFEROUS TREES & SHRUBS	Douglas Fir Tussock Moth White Marked Tussock Moth Spruce Budworm Coneworm Open Feeding Sawflies	Not applicable	35 -70	Not applicable	1 application per year	Control of the listed insects on coniferous tree and shrub species not listed is acceptable provided the species is tested for phytotoxic effect prior to use. Spray a small, inconspicuous portion of the tree or shrub under test and wait for 24 hours to see if any adverse effects appear.
DECIDUOUS TREES & SHRUBS	Eastern Tent Caterpillar Euonymus Webworm Fall Webworm Forest Tent Caterpillar Open Feeding	70	N/A	Not applicable	1 application per year	Apply as a dilute spray (for mist blowers use 75 L of water). Apply when insects are first noticed.

	Aphids					
	Gypsy Moth	Not applicable	35-70	Not applicable	1 application per year	Apply between first and third instar. Apply using application equipment available and dilutions suitable to equipment. Applications should be calculated and made on the basis of volume per tree to ensure proper coverage while limiting off-target spray.
SEEDLING TREES IN FORESTATION AREAS	Cutworm	Not applicable	140	Not applicable	1 application per year	Application should be made under warm, moist conditions when larvae are small (up to 2.5 cm).

AERIAL APPLICATION

Generic Aerial Application Label Instructions - Directions for Use

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

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. Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. Clean and decontaminate protective clothing and application equipment regularly.

Resistance-Management Recommendations

For resistance management, please note that AMBUSH 500EC Insecticide contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to AMBUSH 500EC Insecticide and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same field. 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 AMBUSH 500EC Insecticide or other Group 3 insecticides with different groups that control the same pests in a field. Avoid application of more than the maximum number listed in the label and consecutive sprays of AMBUSH 500EC Insecticide or other insecticides in the same group in a season. Use tank mixtures with insecticides from a different group when such use is permitted. Insecticide use should be based on an IPM program that includes scouting, 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 company representatives at 1-888-462-6822.

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