

2024-0906
2024-08-30

Sleeve



GROUP	3	INSECTICIDE
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decis® 5 EC INSECTICIDE (Prairie Provinces and Interior of British Columbia)

EMULSIFIABLE CONCENTRATE

FOR SALE FOR USE IN PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA
ONLY

COMMERCIAL



EYE AND SKIN IRRITANT

TRIPLE RINSE

READ THE LABEL AND PAMPHLET BEFORE USING

REGISTRATION NO. 17734 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT: DELTAMETHRIN.....50 GRAMS PER LITRE

NET CONTENTS: 1, 2, 10, 200 Litres and Bulk

BAYER CROPSCIENCE INC.

Suite 200

160 Quarry Park Blvd. S.E.

Calgary, Alberta

T2C 3G3

1-(888) 283-6847

2024-0906
2024-08-30

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH
COLUMBIA ONLY

GENERAL INFORMATION

decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) is not a systemic product. It controls insects through contact and/or ingestion. For maximum efficacy, it is necessary to:

- keep crop and pest under observation to be able to spray at the right moment.
- ensure that insects are contacted during spraying, especially if they are found on the underside of leaves or if the foliage is very dense.

The volumes of water may vary greatly, depending on the equipment, the crop, and cultural conditions. Actual volumes of water to be used will vary between 11 and 1000 litres per hectare.

The distribution of the product over plant surfaces must be as uniform as possible where the insects are moving and/or feeding.

Note: 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 Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Severely irritating to the eyes and skin. Fatal if swallowed or if absorbed through the skin. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapour or spray mist. Wash thoroughly after using and before eating, drinking or smoking. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or faceshield) during mixing, loading and application. Gloves and protective eyewear are not required during application within a closed-cab or cockpit. Keep in original container during storage. Do not contaminate or store near feeds, seeds or foodstuffs. Keep away from fire, open flame, or other sources of heat. Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

ENVIRONMENTAL PRECAUTIONS:

TOXIC TO aquatic organisms. This product contains an active ingredient and aromatic petroleum distillates, which are toxic to aquatic organisms.. Observe spray drift buffer zones specified under DIRECTIONS FOR USE.

Toxic to small wild mammals.

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TOXIC to bees. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to the evening when most bees are not foraging. 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.canada.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. Deltamethrin 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 of this product when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

FIRST AID

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.

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.

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

TOXICOLOGICAL INFORMATION

Medical personnel should contact the Bayer CropScience medical information services toll-free 1-800-334-7577. The treatment of intoxication should be symptomatic and supportive. Where the product has been ingested, carry out gastric lavage with care to prevent aspiration. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Treat symptomatically. **THIS PRODUCT CONTAINS XYLENE.**

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STORAGE

Store this product away from food or feed.

CANNOT BE STORED BELOW FREEZING. If stored for one year or longer, shake vigorously before using. Keep in original container during storage.

DISPOSAL

RECYCLABLE CONTAINER DISPOSAL

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

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

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FOR RETURNABLE CONTAINERS:

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FOR REFILLABLE CONTAINERS:

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

DISPOSAL OF UNUSED, UNWANTED PRODUCT

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

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Booklet



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DIRECTIONS FOR USE

Where a rate range is given in the Directions For Use, the higher rate should be utilized:

1. When the crop canopy is dense and foliage is inhibiting spray penetration.
2. When a number of insect growth stages are present (for example 1st through 5th nymphal stages of grasshoppers OR larvae and adults of Colorado Potato Beetle).
3. When insect populations are very high.

Unless otherwise stated, apply decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) when insects first appear and repeat as required to maintain control. Use sufficient water to ensure thorough coverage. More water may be required when dense foliage is present and depending on the type of spray equipment used. Thorough wetting of all plants is essential for good results. It is suggested that provincial spray calendar recommendations be followed.

Refer to AERIAL APPLICATION section of this label for appropriate cautions when using aerial application equipment.

Use the rates listed below for both ground and aerial application. Decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) may be applied by air only on crops specified for aerial use. See AERIAL APPLICATION section of this label for adjustment of water volumes.

Not for use by homeowners or other uncertified users.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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.

To protect pollinators, follow the instructions regarding bees in the Environmental Precautions section.

AERIAL APPLICATION:

decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) may be applied by aircraft to Wheat, Barley, Oats, Crop Subgroup 6C, Crop Subgroup 20A, Sunflowers, Sugarbeets, Shelterbelts (Forest Tent Caterpillar only), Potatoes, Rangeland, and Pastures.

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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 are dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward 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. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.”

USE PRECAUTIONS:

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 spray drift buffer zones should be observed. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

OPERATOR PRECAUTIONS:

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot has communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

SPRAY DRIFT BUFFER ZONES:

A spray drift buffer zone is NOT required for uses with hand-held application equipment permitted on this label.

The spray drift buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop		Spray Drift Buffer Zones (metres) Required for the Protection of:		
			Freshwater Habitat of Depths:		Terrestrial habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Shelterbelts		4	2	1
	Alfalfa (seed production only), potato, established red clover (for seed production only), Crop Subgroup 6C, Crop Subgroup 20A, wheat, barley, oats, sugarbeet, field corn, chokecherry shelterbelt		1	1	1
	Tomato, rangeland, pasture, sunflower		1	1	0
	Broccoli, Brussel sprout, cabbage, cauliflower		2	1	1
	Timothy (seed production only)		1	1	1
Airblast	Shelterbelts	Early growth stage	55	45	10
		Late growth stage	45	35	5
	Saskatoon berry	Early growth stage	40	30	2
		Late growth stage	30	20	1
	Chokecherry shelterbelt	Early growth stage	35	25	1
		Late growth stage	25	15	1
Aerial	Crop Subgroup 6C	Fixed wing	90	25	10
		Rotary wing	55	20	10
	Wheat, barley, oats, sugarbeets	Fixed wing	55	15	1
		Rotary wing	35	10	1
	Crop Subgroup 20A	Fixed wing	70	20	10
		Rotary wing	45	15	10
	Potato, pasture, rangeland	Fixed wing	40	10	1
		Rotary wing	25	10	5
	Shelterbelt	Fixed wing	15	10	1
		Rotary wing	10	5	1
	Sunflower	Fixed wing	10	5	0
		Rotary wing	10	5	0

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray drift 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 drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Drift Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

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TANK MIX COMBINATIONS

decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) can be tank mixed with a number of herbicides for the control of insect pests (specified on this label) and annual grassy and broadleaf weeds (see list of susceptible weeds on the respective herbicide labels). Carefully read respective labels for proper use. The following herbicides are compatible:

PARDNER®	BANVEL®	2,4-D	BUCTRIL® M	MCPA
PUMA ADVANCE®	PUMA ADVANCE® with BUCTRIL® M			

decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) can be tank mixed with Puma Advance for the control of grasshoppers and annual grassy weeds or with Puma Advance and Buctril M for the control of grasshoppers and annual grassy weeds and broadleaf weeds in SPRING WHEAT AND DURUM WHEAT ONLY. The durum wheat cultivar “Plenty” may sustain an elevated level of injury following application of decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) with Puma Advance and Buctril M.

Spray mixture must be constantly agitated throughout application. Do not allow the spray mixture to stand in the spray tank for more than 4 hours after mixing.

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank- mix. Always use in accordance with the most restrictive label restrictions and precautions.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same field. 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 decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) or other Group 3 insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.

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- Insecticide use should be based on an integrated pest management (IPM) program that includes scouting and record keeping and considers cultural, biological, and other chemical control practices;
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact Bayer CropScience at 1-888-283-6847.

ALFALFA FOR SEED PRODUCTION ONLY

INSECTS	RATE (mL/ha)	RECOMMENDATIONS
Alfalfa Weevil Lygus Bugs	200-250	Apply when insects are present and spraying is recommended. Use the higher rate when the Alfalfa Weevil is present.
Grasshoppers	100-150	Apply when signs of insect damage are evident and grasshoppers are in the 2-4 nymphal stage. Best control will be achieved when application is made prior to wing development. The higher rate should be used when the proportion of mature and late nymphal stages in the population are high and/or spray penetration is inhibited by dense crop canopy. Under severe insect pressure, application should also be made to a 15-metre strip along fence rows around the field.
Application method: Ground application in 100 – 300 L of water per ha.		
Restrictions: DO NOT APPLY MORE THAN ONCE PER YEAR. DO NOT apply within 20 days of harvest.		

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Cabbageworm, Cabbage Looper, Diamondback Moth	150-200 mL/ha in 350-550 L of water per ha.	GROUND Apply when insects are present or signs of insect feeding are visible.
DO NOT APPLY WITHIN 1 DAY OF HARVEST TO BRUSSELS SPROUTS. DO NOT APPLY WITHIN 3 DAYS OF HARVEST TO BROCCOLI, CABBAGE OR CAULIFLOWER. Minimum interval between applications: 10 days; DO NOT APPLY MORE THAN 8 TIMES PER YEAR		

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FIELD CORN

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
European Corn Borer	250-300 mL/ha in at least 240 L of water per ha.	GROUND Apply when egg masses begin to hatch, but no later than when the first pinhole feeding is seen on the leaves. Direct spray into the whorl of the plant. Repeat at 5-8 day intervals. For control of second generation, direct spray at ear zone.

DO NOT APPLY MORE THAN 3 TIMES PER YEAR.
See instructions above.

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

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.

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Western Bean Cutworms	250-300 mL/ha in at least 240 L of water per ha.	GROUND Application should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring. Repeat at 5-8 day intervals.

DO NOT APPLY WITHIN 1 DAY OF HARVEST.
DO NOT APPLY MORE THAN 3 TIMES PER YEAR.

POTATOES

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Colorado Potato Beetle, Tarnished Plant Bug, Leafhoppers	100–150 mL/ha in 200–500 L of water per ha.	GROUND Apply when insects are present or signs of insect feeding are evident. Repeat to a maximum of 3 applications per year. Use the higher rate under severe infestations.
Potato Flea Beetle		Apply when first signs of insects appear and damage is visible. decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) controls only those insects present. Under severe Flea Beetle populations, application should also be made to a 15 metre strip along fence rows around the field.

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Colorado Potato Beetle, Tarnished Plant Bug, Leafhopper, Potato Flea Beetle	100–150 mL/ha in 20 to 22 L of water per ha.	AERIAL Apply a maximum of 2 times per year by air if required. Read special instructions for aerial application at front of brochure.
<p>DO NOT APPLY WITHIN 1 DAY OF HARVEST. Minimum interval between applications: 5-7 days. RESISTANCE: Colorado Potato Beetle is known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. The use of decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) must be alternated with insecticides with a different mode of action. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your area.</p>		

CROP SUBGROUP 6C DRIED SHELLLED PEA AND BEAN (EXCEPT SOYBEAN):

Bean (includes grain lupin, sweet lupin, white lupin and white sweet lupin), bean (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean and wax bean), bean (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, yardlong bean), broad bean (fava bean), chickpea (garbanzo bean), guar, lablab bean (hyacinth bean), lentil, pea (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea), pigeon pea.

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Grasshopper	100-150 mL/ha	Apply when insects are present as young hoppers or signs of insect damage are evident. Apply when the Grasshoppers are in the 2-4 nymphal stage. Best control will be achieved when application is made prior to wing development.
Suppression of Pea Leaf Weevil	150 mL/ha	Make the first application after emergence but prior to the 5 to 6 node stage. Apply while the adults are still present on the plants, before egg laying begins.
Cutworms	200 mL/ha	Apply when larvae are present and feeding. Do not disturb the soil after application.
Lygus Bug	200 mL/ha	Apply when the insects are present at economic thresholds.
<p>Pre-Harvest Interval (PHI): 7 days DO NOT APPLY MORE THAN 3 TIMES PER YEAR. Method of application: Ground or Aerial For ground application: 100 to 200 L/ha. For aerial application: apply in minimum spray volume of 22 L/ha. Follow special instructions for aerial application at front of this brochure. Minimum interval between applications: 5-7 days.</p>		

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CROP SUBGROUP 20A RAPESEEDS:

Borage, Canola, Crambe, Cuphea, Echium, Flax seed, Gold of Pleasure, Hare's ear mustard, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard seed, Oil radish, Poppy seed, Rapeseed, Sesame, Sweet rocket, Cultivars, varieties, and/or hybrids of these commodities

INSECTS	RATE (mL/ha)	RECOMMENDATIONS
Beet Webworm	100-150	Apply by ground only when larvae are present and actively feeding. Use the higher rate when infestations are high or canopy is thick.
Bertha Armyworms	100-150	Apply by air only when larvae are present and actively feeding. Use the higher rate when infestations are high or canopy is thick.
Cabbage Seedpod Weevil	200	For control of adult weevil only. Apply when adults are seen on flower buds or developing pods. Must apply prior to egg laying. Consult extension experts for economic threshold.
Clover Cutworms	100-150	Apply when larvae are present and feeding. Do not disturb the soil after application. Apply in sufficient water to ensure thorough coverage.
Cutworms	200	Apply when larvae are present and feeding. Do not disturb the soil after application. Under severe insect pressure, application should also be made to a 15-metre strip along fence- rows around the field. Apply in sufficient water to ensure thorough coverage.
Diamondback Moth	100-150	Apply by air only when insects are actively feeding or when Provincial Letters recommend spraying.
Flea Beetles	100-150	Apply when insects are present. decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) controls only those insects present. Application should be made when the beetles are actively feeding. Under severe pressure, application should also be made to a 15- metre strip along fence rows around the field.
Grasshoppers	100-150	Apply when signs of insect damage are evident and grasshoppers are in the 2-4 nymphal stage. Best control will be achieved when application is made prior to wing development. The higher rate should be used when the proportion of mature and late nymphal stages in the grasshopper population are high and spray penetration is inhibited by dense crop canopy. Under severe insect pressure application should also be made to a 15-metre strip along fence rows around the field.

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Lygus Bugs	150	Apply when lygus bugs are seen feeding on the buds, flowers and developing pods. Consult extension experts for economic threshold.
Swede Midge	150-200	Begin applications when a significant population of adult midge are observed as determined by local monitoring. Under heavy pressure use the higher rate. Thorough coverage is important to obtain optimum efficacy.
<p>Application method: Ground or aerial. Ground application in 100 L of water per hectare. Aerial application in 20-45 L of water per hectare. Read special instructions for aerial application at the front of this brochure. Minimum interval between applications: 5-7 days.</p>		
<p>Restrictions: Pre-Harvest Interval (PHI): 7 days DO NOT apply more than 500 mL/ha per year. DO NOT APPLY MORE THAN 3 TIMES PER YEAR. If 3 applications are used, only the first or second application can be at 200 mL/ha. Minimum interval between applications: 5-7 days by ground application.</p>		

SASKATOON BERRY

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Sawfly, Lygus Bug (Tarnished Plant Bug), Hawthorn Weevil, Apple Curculio, Leaf Miner, Saskatoon Bud Moth	2 mL in 4.5 L water for 100 m ² of orchard face row. (Apply mixture to both sides of each row.)	GROUND Apply three times per year, once prior to flowering, once at early flowering, and once after petal drop, observing the pre-harvest interval of 21 days. The insect species controlled will appear at different times of the growing season: Saskatoon Bud Moth & Lygus Bug at inflorescence bud bread (green tip) to tight bud cluster; Sawfly at 25% bloom; Apple Curculio & Hawthorn Weevil at 5-10 days after petal fall. Growers are encouraged to apply decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) when the insect pest of concern first appears in sufficient numbers to cause economic damage.
DO NOT APPLY WITHIN 21 DAYS OF HARVEST.		

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SHELTERBELTS

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Caragana Aphid, Eastern Spruce Budworm, Spruce Coneworm, Spring Spruce Needle Moth, Spotted Poplar Aphid, Forest Tent Caterpillar, Prairie Tent Caterpillar	90 mL per 100 L of water applied until runoff.	GROUND Apply when insects are actively feeding for best results. Thorough coverage is critical for control.
Forest Tent Caterpillar	100 – 150 mL/ha in 11 – 22 L of water per ha.	AERIAL Apply when larvae are actively feeding. Use the higher rate when there are large numbers of larvae present and/or heavy foliage which may prevent penetration.
Blister Beetle, Grey Willow Leaf Beetle	30 mL per 100 L of water applied until runoff.	GROUND Apply when insects are actively feeding for best results. Thorough coverage is critical for control.
Willow Sawfly	18 mL per 100 L of water applied until runoff.	GROUND Apply when larvae are actively feeding for best results. Thorough coverage is critical for control.
DO NOT APPLY MORE THAN ONCE PER YEAR.		

ESTABLISHED RED CLOVER (for seed production only)

<p>NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: 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.</p>		
INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Suppression of lesser clover leaf weevil	250 mL/ha in 100-300 L of water per ha.	GROUND Apply when insects are present. Apply 2 times at a 14 day interval, at early vegetative stage and when clover

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		is budding. Use sufficient water to ensure thorough coverage. More water may be required when dense foliage is present and depending on the type of spray equipment used. Thorough wetting of all plants is essential for good results
<p>DO NOT APPLY MORE THAN 2 TIMES PER YEAR. DO NOT USE TREATED CROP FOR FEED OR FORAGE. DO NOT APPLY BY AERIAL APPLICATION EQUIPMENT.</p>		

RANGELAND, PASTURES*

<p>NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:</p> <p>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.</p>		
INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Grasshoppers	<p>100 – 150 mL/ha in 100-200 L of water per ha.</p> <p>150 mL/ha in 11 – 22 L of water per ha.</p>	<p>GROUND Apply when insects are young or signs of insect damage are evident. Apply when the grasshoppers are in the 2-4 nymphal stage. Best control will be achieved when application is made prior to wing development. DO NOT APPLY TO ADJACENT UNREGISTERED CROPS. The higher rate should be used when the proportion of mature and late nymphal stages in the population are high and/or spray penetration is inhibited by dense crop canopy. *Under severe insect pressure application should also be made to fence row and roadsides as a 15 metre strip.</p> <p>AERIAL (Rangeland, Pastures) Use as directed and follow special instructions for aerial application.</p>
<p>DO NOT APPLY MORE THAN TWO TIMES PER YEAR BY AIR. DO NOT APPLY decis 5 EC INSECTICIDE (PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA) MORE THAN 3 TIMES PER YEAR. FOR EXAMPLE, 3 GROUND APPLICATIONS OR 2 GROUND/1 AIR OR 2 AIR/1 GROUND. Minimum interval between applications: 5-7 days.</p>		

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CHOCKECHERRY SHELTERBELTS

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Prairie Tent Caterpillar	92 mL product /1000 L water	Apply prior to flowering when tents are visible, generally mid to late May
Ugly Nest Caterpillar		Apply after flowering when tents are visible, generally early to mid June
Fruittree Leafroller		Apply after flowering when damage is first noted, generally early to mid June
<p>Apply as a foliar spray; ground application only – DO NOT APPLY MORE THAN ONCE PER YEAR. Apply so leaves are wet but not dripping</p>		

SUNFLOWERS

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Sunflower Beetle	100 mL/ha in 100 - 200 L of water per ha.	<p>GROUND ADULTS: Apply when the insect is present or signs of insect damage appear. Crops should be sprayed when in the cotyledon to 2-leaf stage.</p>
	100 mL/ha in 11 - 22 L of water per ha.	<p>AERIAL ADULTS & LARVAE: Apply once per year when the insect is present or signs of insect damage appear. Heads should be carefully examined for larvae. Application at dusk when insects are actively feeding is preferable. Read instructions for AERIAL APPLICATION.</p>
<p>DO NOT APPLY WITHIN 70 DAYS OF HARVEST. DO NOT APPLY MORE THAN ONCE PER YEAR IN FIELD.</p>		

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TIMOTHY (SEED PRODUCTION ONLY)

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

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Control of Armyworms and Cutworms	100 – 200 mL/ha in minimum of 100 L of water per ha.	GROUND Apply as needed to a maximum of 3 times per year at a minimum interval of 7 days. Apply when larvae are present and feeding.

DO NOT MAKE MORE THAN 3 APPLICATIONS PER YEAR.
DO NOT APPLY BY AIR.
DO NOT APPLY WITHIN 30 DAYS OF HARVEST.

TOMATOES

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
Colorado Potato Beetle	100 – 150 mL/ha in 200 - 500 L of water per ha.	GROUND Apply when insects are present or signs of insect feeding are evident. Use the higher rate under severe infestation.

DO NOT TREAT WITHIN 3 DAYS OF HARVEST.
DO NOT APPLY MORE THAN 3 TIMES PER YEAR.
Minimum interval between applications: 5 days.

RESISTANCE: Colorado Potato Beetle is known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. The use of decis 5 EC Insecticide (Prairie Provinces and Interior of British Columbia) must be alternated with insecticides with a different mode of action. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your area.

WHEAT, BARLEY, OATS, SUGARBEETS

INSECTS	RATE	METHOD OF APPLICATION AND RECOMMENDATIONS
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Cutworms	200 mL/ha in 100 L of water per ha.	GROUND OR AERIAL Apply when larvae are present and feeding. Do not disturb the soil after application. Under severe insect pressure, application should also be made to a 15-metre strip along fence- rows around the field. DO NOT APPLY TO ADJACENT CROPS. Follow special instructions for aerial application at front of this brochure.
<p>Minimum interval between applications: 5-7 days DO NOT APPLY decis 5 EC INSECTICIDE (PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA) MORE THAN 3 TIMES PER YEAR decis 5 EC INSECTICIDE (PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA) MAY BE USED FOR A MAXIMUM OF 2 AERIAL APPLICATIONS PER YEAR. DO NOT APPLY TO WHEAT OR BARLEY WITHIN 40 DAYS OF HARVEST. DO NOT APPLY TO OATS WITHIN 31 DAYS OF HARVEST. DO NOT APPLY TO SUGARBEETS WITHIN 100 DAYS OF HARVEST.</p>		

