

2022-10-17
2022-4705

This label has been updated according to the re-evaluation decision of Imidacloprid RVD2021-05. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 19/05/2023 in accordance with the phase out period set out in the re-evaluation/special review decision of Imidacloprid RVD2021-05. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.



GROUP	4A	INSECTICIDE
-------	----	-------------

Container

ADMIRE® 240 Flowable Systemic Insecticide

For control of listed insect pests in horticultural crops

COMMERCIAL - AGRICULTURAL

SUSPENSION

ACTIVE INGREDIENT: Imidacloprid 240 g/L

Contains 1,2-benzisothiazolin-3-one at 0.1% or 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0017% and 2-methyl-4-isothiazolin-3-one at 0.0006% as preservatives.

REGISTRATION NUMBER 24094 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND LEAFLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN



CAUTION

POISON

SHAKE WELL BEFORE USING

NET CONTENTS : 1 Litre, 3.785 Litres

Bayer CropScience Inc.
200-160 Quarry Park Blvd., SE
Calgary, Alberta T2C 3G3

Product Information: 1-888-283-6847

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

This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product as a seed treatment.

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.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

Applicators, other handlers and handlers of treated seed pieces must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks

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

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Apply only when the potential for drift to areas of human habitation and human activity (other than golf courses) such as parks, school grounds, and playing fields, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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 Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

FIRST AID

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

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

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

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

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

TOXICOLOGICAL INFORMATION:

No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL PRECAUTIONS:

Keep out of lakes, streams, ponds or other aquatic systems. Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. Do not contaminate water when disposing of equipment wash water.

Toxic to bees. This product is systemic and residues from soil may be transported through plants into leaves, pollen and nectar. Bees may be exposed directly, through spray drift, or to residues on/in leaves, pollen and nectar in flowering crops and weeds. To minimize exposure to bees from foliar application, DO NOT apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. 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). Follow crop specific directions for application timing.

Toxic to birds. Toxic to small wild mammals. 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.

Any spilled or exposed potato seed pieces must be incorporated into the soil or otherwise cleaned-up from the soil surface. Dispose of all excess treated seed pieces. Leftover treated seed pieces may be buried away from water sources in accordance with local requirements. Do not dispose of seed pieces by double-sowing in headlands.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Imidacloprid is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing imidacloprid during the previous season.

Apply this product only in accordance with this label.

STORAGE

Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

DISPOSAL

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



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

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

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

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 clean-up of spills.

®ADMIRE is a registered trademark of Bayer CropScience.

Booklet

ADMIRE® 240 Flowable Systemic Insecticide

For control of listed insect pests in horticultural crops

COMMERCIAL - AGRICULTURAL

SUSPENSION

ACTIVE INGREDIENT: Imidacloprid 240 g/L

Contains 1,2-benzisothiazolin-3-one at 0.1% or 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0017% and 2-methyl-4-isothiazolin-3-one at 0.0006% as preservatives.

REGISTRATION NUMBER 24094 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND LEAFLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN



CAUTION

POISON

SHAKE WELL BEFORE USING

NET CONTENTS : 1 Litre, 3.785 Litres

Bayer CropScience Inc.
200-160 Quarry Park Blvd., SE
Calgary, Alberta T2C 3G3

Product Information: 1-888-283-6847

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

This product contains no colourant. An appropriate colourant must be added when this product is applied to seed. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product as a seed treatment.

The registration of ADMIRE 240 Flowable Systemic Insecticide for the following use expires on May 19, 2025:

Crop	Pest	Last Date of Use
Ginseng (soil drench)	European chafer	May 19, 2025

Table of Contents:		Section Number
GENERAL INFORMATION	Notice	1
	The Product	2
SAFETY AND HANDLING	Precautions, Protective Clothing and Equipment	3
	Restricted Entry Interval	4
	First Aid and Toxicological Information	5
	Environmental Precautions and Information	6
	Storage	7
	Disposal	8
DIRECTIONS FOR USE	Crops, Pests, Application Rates and Methods	9
	Application Instructions and Use Limitations	10
	Mixing Instructions	11
	Rotational Crops	12
	Resistance Management Recommendations	13

GENERAL INFORMATION

Section 1: Notices

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.

Section 2: The Product

ADMIRE® 240 Flowable Systemic Insecticide, containing the active ingredient imidacloprid, is intended for the control of insect pests in a wide variety of vegetable crops, fruit crops, Christmas trees and as a seed piece treatment for potatoes.

SAFETY AND HANDLING

Section 3: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

Applicators, other handlers and handlers of treated seed pieces must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks

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

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Apply only when the potential for drift to areas of human habitation and human activity (other than golf courses) such as parks, school grounds, and playing fields, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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 Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

Section 4: Restricted Entry Interval

Do not re-enter treated areas for 12 hours after foliar application of ADMIRE 240 Flowable Systemic Insecticide.

Section 5: First Aid and Toxicological Information
--

FIRST AID

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

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

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

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

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

TOXICOLOGICAL INFORMATION:

No specific antidote is available. Treat the patient symptomatically.

Section 6: Environmental Precautions and Information
--

Keep out of lakes, streams, ponds or other aquatic systems. Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. Do not contaminate water when disposing of equipment wash water.

Toxic to bees. This product is systemic and residues from soil may be transported through plants into leaves, pollen and nectar. Bees may be exposed directly, through spray drift, or to residues on/in leaves, pollen and nectar in flowering crops and weeds. To minimize exposure to bees from foliar application, DO NOT apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. 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). Follow crop specific directions for application timing.

Toxic to birds. Toxic to small wild mammals. 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.

Any spilled or exposed potato seed pieces must be incorporated into the soil or otherwise cleaned-up from the soil surface. Dispose of all excess treated seed pieces. Leftover treated seed pieces may be buried away from water sources in accordance with local requirements. Do not dispose of seed pieces by double-sowing in headlands.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body. This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Imidacloprid is persistent and may carry over. It is recommended that this product not be used in areas treated with any products containing imidacloprid during the previous season.

Apply this product only in accordance with this label.

Section 7: Storage

Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

Section 8: Disposal

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

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

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

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

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 clean-up of spills.

DIRECTIONS FOR USE

Read the entire DIRECTIONS FOR USE section before using ADMIRE 240 Flowable Systemic Insecticide.

For outdoor use only.

Section 9: Crops, Pests, Application Rates and Methods
--

POTATOES

Pests	Application and Rate	Remarks
Colorado potato beetle, Aphids, Leafhoppers, Flea beetles	Seed Piece Treatment 26-39 mL/100 kg seed pieces	<p>Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist or dust.</p> <p>Apply specified dosage as a diluted spray onto seed-pieces using a shielded spray system that is well contained and will prevent the loss of any liquid.</p> <p>Do not dilute with any more than 3 parts water to 1 part ADMIRE 240 Flowable Systemic Insecticide. Agitate or stir spray solution as needed.</p> <p>For optimal insect control, good coverage of the seed piece is required.</p> <p>The length of control will vary depending on the rate used. Consult your local extension personnel, Bayer CropScience representative or dealer for information relevant to your area. The higher rate of ADMIRE 240 Flowable Systemic Insecticide is recommended when extended length of control is needed. ADMIRE 240 Flowable Systemic Insecticide provides early season control of over-wintering adult potato flea beetles. As part of the seed cutting and treating process, application of a fungicide registered for potato seed treatment or an inert absorbent ingredient is recommended.</p> <p>Plant seed-pieces as soon as possible after cutting and treating. Avoid prolonged exposure of ADMIRE 240 Flowable Systemic Insecticide -treated seed-pieces to sunlight. Do not use treated seed pieces for food, feed, or fodder.</p> <p>Do not apply any subsequent application of imidacloprid (i.e. ADMIRE 240 Flowable Systemic Insecticide in-furrow or foliar application) or other group 4 insecticide following ADMIRE 240 Flowable Systemic Insecticide potato seed piece treatment.</p> <p>Do not apply more than 1.165 L of ADMIRE 240 Flowable Systemic Insecticide (0.280 kg ai) per hectare per year. Thus for seeding rates higher than 2985 kg seed/ha, the higher application rate (39 ml/100 kg of seed) cannot be used. For seeding rates between 2985 kg seed/ha and 4480 kg seed/ha, ensure that the application rate does not exceed 1.165 L per hectare. The lower application rate (26 ml/100 kg) may be used for seeding rates up</p>

		to 4480 kg seed/ha. Do not use this method of application for seeding rates higher than 4480 kg seed/ha.
Colorado potato beetle, Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/hectare	For optimal control, good coverage of the foliage is needed. Refer to sprayer manual for recommended water volumes, pressures and correct settings. A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Apply specified dosage as pest numbers begin to increase but before a damaging population becomes established. Do not apply during bloom or when bees are actively foraging. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days.

CROP SUBGROUP 1-B: Root vegetables (except sugarbeet): Beet, garden; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip.

CROP SUBGROUP 1-D: Tuberous and corm vegetables (except potatoes): Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote, root; chufa; dasheen; ginger; leren; sweet potato; tanier; turmeric; yam bean; yam, true.

Pests	Application and Rate	Remarks
Aphids Leafhoppers (suppression)	Foliar Application 200 mL/ha	Apply specified dosage as pest numbers begin to increase but before a damaging population becomes established. A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days.

GINSENG [Note: The registration of ADMIRE 240 Flowable Systemic Insecticide for the following uses on ginseng expires on May 19, 2025.]

Pests	Application and Rate	Remarks
Reductions in numbers of larvae of the European Chafer	Soil Application Field Drench 1200 mL/ha	The need for and timing of application should be based on monitoring of the site, previous records or experiences, current season adult trapping or other methods. Apply to entire newly seeded ginseng beds before mulch is laid down. Apply just prior to or during egg hatch of the target pest. Apply in 200 L of water per hectare. Avoid application to areas which are waterlogged or saturated, which will not allow penetration of the active ingredient into the plant root zone. Sufficient irrigation (e.g., 5 – 10 mm) should occur immediately (maximum 24 hours) after application to move the active ingredient to the root zone but avoid over watering (e.g., more than 20 mm). The treated area must be in such a condition that irrigation water will penetrate vertically into the soil profile, which will ensure an adequate distribution of the active ingredient. Avoid runoff or puddling of irrigation water following application. Apply ADMIRE 240 Flowable Systemic Insecticide only once per ginseng garden life. Allow 3 years between application of ADMIRE 240 Flowable Systemic Insecticide and harvest.

CROP GROUP 2: Leaves of root and tuber vegetables: Beet, garden; burdock, edible; carrot; cassava, bitter and sweet; celeriac; chervil, turnip-rooted; chicory; dasheen (taro); parsnip; radish; radish, oriental; rutabaga; salsify, black; sweet potato; tanier (cocoyam); turnip; and yam, true.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	Apply specified dosage as pest numbers begin to increase but before a damaging population becomes established. A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.

		Pre-Harvest Interval (PHI): 7 days.
--	--	-------------------------------------

CROP SUBGROUP 4-A: Leafy greens subgroup of leafy vegetables (except Brassica) group: Amaranth; Arugula; Chervil; Chrysanthemum, edible-leaved and garland; Corn salad; Cress, garden and upland; Dandelion; Dock; Endive; Lettuce, head and leaf; Orach; Parsley; Purslane, garden and winter; Radicchio (red chicory); Spinach [including New Zealand and vine (Malabar spinach, Indian spinach)]; Watercress.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/hectare	Apply specified dosage as pest numbers begin to increase but before a damaging population becomes established. For optimal control, good coverage of the foliage is needed. Refer to sprayer manual for recommended water volumes, pressures and correct settings. A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days.

CROP GROUP 5: Brassica (cole) leafy vegetables: Broccoli, Broccoli raab (rapini), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (gai lon), Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 ml/ ha	Ground application only. Add sufficient water to provide good coverage. Good coverage is required to obtain sufficient control. Apply when economic thresholds indicate that treatment is required A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days.

CROP GROUP 6: Legume vegetables (except dry soybean): Edible Podded, Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean: Bean (*Lupinus* spp., includes grain lupin, sweet lupin, white lupin, and white sweet lupin); Bean (*Phaseolus* spp., includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); Bean (*Vigna* spp., includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean); Pea (*Pisum* spp., includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea); Other Beans and Peas Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, Soybean (immature seed), Sword bean.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days. For broad beans/fava beans/ <i>Vicia faba</i> : Do not apply pre-bloom or during bloom or when bees are actively foraging. Apply post-bloom only. For all other listed Crop Group 6 crops, excluding broad beans/ fava beans/ <i>Vicia faba</i> : Do not apply during bloom or when bees are actively foraging.

CROP GROUP 8: Fruiting vegetables except cucurbits: Eggplant; Groundcherry; Okra; Pepino; Peppers (including all peppers i.e. bell, non-bell, hot, sweet, etc., and cultivars and/or hybrids of these); Tomatillo; Tomato (including cultivars and/or hybrids of this).

Pests	Application and Rate	Remarks
Colorado potato beetle, Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	Ground application only For optimal control, good coverage of the foliage is needed. For best results, time application before a damaging population becomes established. A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not apply pre-bloom or during bloom or when bees are actively foraging. Apply post-bloom only. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 7 days.

CROP SUBGROUP 13-A: Berry and small fruit – caneberry: blackberry; raspberry, red, black and wild; loganberry; cultivars and/or hybrids of these.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 175 mL/ha	Apply up to 3 times per season in 200 L of water as a foliar spray. Application is allowed only post-bloom with renovation after harvest. Do not apply pre-bloom or during bloom (Do not apply until petal fall). Do not apply when bees are present. When applying after petal fall, renovation of woody plants (cutting back of old growth) must occur after harvest and before the next season's bloom.
Raspberry Only: Caneborers, rednecked (suppression)	Foliar Application 467 mL/ha	For suppression of caneborers, apply when evidence of caneborer activity is noted (wilted cane tips, swelling near base of canes, eggs in slits in base of canes). If multiple applications are necessary, allow at least 7 days between applications. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Pre-Harvest Interval (PHI): 4 days.

CROP SUBGROUP 13-B: Berry and small fruit – bushberry (except lowbush blueberry): Berry, aronia; Blueberry, highbush, and/or hybrids of these; Currant, buffalo, black, and red; Elderberry; Gooseberry; Cranberry, highbush; Honeysuckle; Huckleberry; Jostaberry; and Juneberry (Service berry or Saskatoon berry).

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 175 mL/ha	Do not apply to lowbush blueberry. Ground application only. Allow at least 7-10 days between applications. A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.
Blueberry maggot	Foliar Application 230 - 350 mL/ha	Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.
Japanese Beetle Adult	Foliar Application 175-230 mL/ha	For optimal control, apply product in sufficient water for good coverage of foliage (up to 1000 L spray / ha). Application is allowed only post-bloom with renovation after harvest. Do not apply pre-bloom or during bloom (Do not apply until petal fall). Do not apply when bees are present. When applying after petal fall, renovation of woody plants (cutting back of old growth) must occur after harvest and before the next season's bloom.

		In blueberries, apply as a foliar spray for control of aphids in fields where blueberry scorch virus is a potential problem. Monitor for aphids, and apply as a foliar spray once the aphid population has started to build up but before winged aphids are seen. Consult provincial guidelines and local extension experts. For rate ranges, use the higher rate and higher spray volumes for dense crop canopies or high pest pressure. Pre-Harvest Interval (PHI): 3 days.
--	--	---

CROP SUBGROUP 13-07F: Berry and small fruits Vine Climbing, Except fuzzy kiwifruit: Grape (American bunch, Muscadine, and Vinifera); Amur River Grape; Gooseberry; Kiwifruit, hardy; Maypop; Schisandra berry.

Pests	Application and Rate	Remarks
Leafhoppers on grape only	Soil Application 7.5-12 mL/100 m of row (see rate conversion chart for row spacing calculations)	Apply specified dosage in one of the following methods: <ul style="list-style-type: none"> Subsurface side-dress shanked into the root-zone on both sides of the plants followed by irrigation; Hill drench in sufficient water to insure incorporation into the root-zone followed by irrigation. Do not apply more than once per season as a soil application. Do not apply any subsequent application of a Group 4 Insecticide (for example, in-furrow, soil or foliar application) following treatment with ADMIRE 240 Flowable Systemic Insecticide soil application. For optimum results, make application(s) between bud-break and the pea-berry stage. Pre-Harvest Interval (PHI): 30 days.
Leafhoppers	Foliar Application 200 mL/ha	Apply by ground application only. A maximum of two (2) foliar applications of ADMIRE 240 may be made per crop per year. Minimum interval between applications: 14 days. Pre-Harvest Interval (PHI): 0 day.
Japanese beetle adult	Foliar application 175-200 mL/ha	For Grape: Do not apply during bloom or when bees are actively foraging. For other listed crop group 13-F berry crops, excluding grape: Application is allowed only post-bloom with renovation after harvest. Do not apply pre-bloom or during bloom (Do not apply until petal fall). Do not apply when bees are present. When applying after petal fall, renovation of woody plants (cutting back of old growth) must occur after harvest and before the next season's bloom.

		Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. For Japanese beetle adults, use the higher rate and higher spray volumes for dense crop canopies or high pest pressure.
--	--	---

CROP SUBGROUP 13-G: Berry and small fruit – low growing berries including strawberries (excluding lowbush blueberry): Bearberry; Bilberry; Cloudberry; Lingonberry; Muntries; Partridgeberry; Strawberry.

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Applications 175 mL/ha	Do not apply to lowbush blueberry. Minimum interval between applications: 5 days A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Do not apply immediately prior to bud opening or during bloom or when bees are actively foraging. ADMIRE 240 Flowable Systemic Insecticide may be applied by ground application only. Pre-Harvest Interval (PHI): 7 days. For Strawberry: Do not apply pre-bloom or during bloom or when bees are actively foraging. Apply post-bloom only. For other listed crop group 13-G berry crops, excluding strawberry: Application allowed only post-bloom with renovation after harvest. Do not apply pre-bloom or during bloom (Do not apply until petal fall). Do not apply when bees are present. When applying after petal fall, renovation of woody plants (cutting back of old growth) must occur after harvest and before the next season's bloom.

Tree nuts plus Pistachio Including: Beechnut, Brazil nut, Butternut, Cashew, Filbert (hazelnut), Hickory nut, Macadamia nut (bush nut), Pecan, Pistachio, Walnut [black and English (Persian)].

Pests	Application and Rate	Remarks
Aphids (except woolly apple)	Foliar Application 230 mL/ha	Minimum interval between applications: 6 days A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.

		Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Do not apply pre-bloom or during bloom or when bees are actively foraging. Apply only during post-bloom period. Do not apply to Almond, Chestnuts, Chinquapin nuts, Japanese horse-chestnuts. ADMIRE 240 Flowable Systemic Insecticide may be applied by ground application only. Pre-Harvest Interval (PHI): 7 days.
Leafhoppers (suppression)	Foliar Application 200 mL/ha	

Herbs: Angelica, Balm (lemon balm), Basil (fresh and dried), Borage, Bumet, Camomile, Catnip, Chervil (dried), Chinese chive, Chive, Clary, Coriander (cilantro or Chinese parsley leaves), Costmary, Culantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rue, Sage, Savory (summer and winter), Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood.

Pests	Application and Rate	Remarks
Aphids	Soil Application 6 mL/100 m of row (see rate conversion chart for row spacing calculations)	Soil application is allowed only when herbs will be harvested prior to bloom. Do not apply to lavender and rosemary. Apply specified dosage in one of the following methods: <ul style="list-style-type: none"> • In-furrow spray during planting directed on or below seed; • In-furrow spray or transplant-water drench during setting or transplanting; • Shanked-into or below eventual seed-line. Not all crops and/or varieties listed above have been tested for phytotoxic effects. Without specific knowledge about a particular crop and variety, Bayer CropScience strongly recommends that only small areas or numbers of plants of each be treated and evaluated prior to commercial use. Do not apply more than once per season as a soil application. Do not apply any subsequent application of a Group 4 Insecticide (for example, in-furrow, soil or foliar application) following treatment with ADMIRE 240 Flowable Systemic Insecticide soil application. Pre-Harvest Interval (PHI): 14 days.
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season. Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide. Minimum interval between applications: 5 days

		<p>Do not apply pre-bloom* or during bloom or when bees are actively foraging. Apply only during post-bloom period. Do not apply by foliar application to rosemary or lavender. ADMIRE 240 Flowable Systemic Insecticide may be applied by ground application only.</p> <p>Not all crops and/or varieties listed above have been tested for phytotoxic effects. Without specific knowledge about a particular crop and variety, Bayer CropScience strongly recommends that only small areas or numbers of plants of each be treated and evaluated prior to commercial use.</p> <p>Pre-Harvest Interval (PHI): 7 days.</p> <p>*Exception: Pre-bloom application is allowed only when herbs will be harvested prior to bloom.</p>
--	--	---

HOP

Pests	Application and Rate	Remarks
Aphids	Foliar Application 230 mL/ha	<p>Minimum interval between applications: 21 days</p> <p>A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.</p> <p>Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.</p> <p>Pre-Harvest Interval (PHI): 28 days</p>

PEANUT

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	<p>Minimum interval between applications: 5 days</p> <p>A maximum of two (2) foliar applications of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.</p> <p>Do not apply during bloom when blooms are present or when bees are actively foraging.</p> <p>Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.</p> <p>Pre-Harvest Interval (PHI): 14 days.</p>
Aphids	Soil Application 7.5 mL/100 m of row	<p>Apply specified dosage in one of the following methods</p> <ul style="list-style-type: none"> • In-furrow spray directed on or below seed. • Apply specified dosage in 200 L/ha of water as a narrow (5 cm or less) surface band over seed- line

	(see rate conversion chart for row spacing calculations)	<p>during planting. Application should be made with sufficient water to ensure incorporation into the root zone.</p> <ul style="list-style-type: none"> • Narrow band spray directly below eventual seed row in bedding operation 14 or fewer days before planting. • Post-seeding drench, transplant-water drench, or hill drench; use higher water volumes - sufficient to thoroughly wet the soil. <p>Do not apply more than once per season as a soil application. Do not apply any subsequent application of a Group 4 Insecticide (for example, in-furrow, soil or foliar application) following treatment with ADMIRE 240 Flowable Systemic Insecticide soil application.</p>
--	--	--

GLOBE ARTICHOKE

Pests	Application and Rate	Remarks
Aphids, Leafhoppers (suppression)	Foliar Application 200 mL/ha	<p>A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.</p> <p>Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.</p> <p>Pre-Harvest Interval (PHI): 7 days.</p>

TOBACCO

Pests	Application and Rate	Remarks
Aphids	Foliar Application 200 mL/ha	<p>A maximum of one (1) foliar application of ADMIRE 240 Flowable Systemic Insecticide may be made per crop per season.</p> <p>Do not apply during bloom when blooms are present or when bees are actively foraging.</p> <p>Do not make a foliar ADMIRE 240 Flowable Systemic Insecticide application following a soil, in-furrow or seed treatment application of a Group 4 Insecticide.</p> <p>Pre-Harvest Interval (PHI): 14 days.</p>

CHRISTMAS TREES (*Abies balsamea* and *A. fraseri*)

Pests	Application and Rate	Remarks
Balsam twig aphids	Foliar application 250 mL/ha	Ground application only including airblast equipment. Apply specified rate as broadcast or directed foliar spray in the spring, when the first generation of aphids appear. Two applications may be required to achieve control of persistent aphid populations. Scout fields and retreat if needed. Allow 7 days between applications. Do not apply ADMIRE 240 Flowable Systemic Insecticide to Christmas trees using hand-held equipment.

RATE CONVERSION CHART (Row spacing calculations for soil applications)

Rate of Product (mL per ha) based on specified row spacing								
Rate (mL per 100 m row)	Row spacing							
	30 cm	45 cm	60 cm	75 cm	90 cm	120 cm	150 cm	180 cm
6	2000	1333	1000	800	667	500	400	333
7.5		1667	1250	1000	833	625	500	417
12			2000	1600	1333	1000	800	667

Section 10: Application Instructions and Limitations

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

Do not apply by air.

Do not plant treated seed pieces within 15 metres of well-heads or aquatic systems, including marshes, ponds, ditches, streams, lakes, etc.

Do not apply product within 15 metres of well-heads. For application by air blast equipment, do not apply within 40 metres of well-heads. Do not apply to terrains where there is a potential for surface run-off to enter aquatic systems.

Do not apply product or plant treated seed pieces when heavy rainfall is forecast for the next 48 hours.

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

Do not mix, load or clean spray equipment within 30 metres of well-heads or aquatic systems. Do not apply this product through any type of irrigation system.

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

responsibility of the applicator. Avoiding applications when wind direction is toward the aquatic area can reduce risk of exposure to sensitive aquatic areas.

Restrictions during temperature inversions: Do not make any applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

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

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

Spray buffer zones:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- in-furrow, soil drench or soil incorporation applications.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine /Marine Habitat of Depths:		
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Crop Group 1B: Root vegetables (except sugarbeet); Crop group 1D: Tuberous and corm vegetables (except potatoes); Crop group 2: Leaves of root and tuber vegetables; globe artichoke; Crop group 4A: Leafy greens subgroup of leafy vegetables (except Brassica); Crop group 5: Brassica (cole) leafy vegetables; Crop group 6: Legume vegetables (except dry soybean); Crop group 8: Fruiting vegetables; potato; tobacco	5	3	0	0	
	Crop group 13G: Berry and small fruit low growing berries; strawberry; peanut; herbs; grapes	10	5	0	0	
	Hops	10	5	1	0	
	Crop group 13B: Bushberry (except lowbush blueberries)	15	10	1	0	
Airblast	Crop group 13F: Berry and small fruit vine excluding grapes	Early growth stage	30	20	0	0
		Late growth stage	20	15	0	0
	Blueberry: highbush	Early growth stage	35	25	0	0
		Late growth stage	25	15	0	0
	Crop Group 13A: Cane berries (175 mL/ha application rate)	Early growth stage	35	25	0	0
		Late growth stage	25	15	0	0
	Tree nuts; hops	Early growth stage	30	25	1	0
		Late growth stage	25	15	1	0
	Christmas trees	Early growth stage	35	25	1	0
		Late growth stage	25	15	1	0
Raspberry (467 mL/ha application rate)	Early growth stage	45	35	2	0	
	Late growth stage	35	25	1	0	

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 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 web site.

Section 11: Mixing Instructions

To prepare the spray, add a portion of the required amount of water to the spray tank and with agitation, add ADMIRE 240 Flowable Systemic Insecticide. Complete filling the tank with balance of water needed. Maintain sufficient agitation during both mixing and application.

Section 12: Rotational Crops

Treated areas may be replanted with any crop specified on an imidacloprid label, or any crop for which a tolerance exists for the active ingredient, as soon as practical following the last application.

Rotation to all other food and feed crops will require that a 12 month plant-back interval be observed. Green manure and other cover crops not intended for human or animal consumption are acceptable rotational crops which do not require a plant-back interval following treatment. Do not graze or harvest such cover crops for food or feed.

Section 13: Resistance Management Recommendations

For resistance management, please note that ADMIRE 240 Flowable Systemic Insecticide contains a Group 4A insecticide. Any insect population may contain individuals naturally resistant to ADMIRE 240 Flowable Systemic Insecticide and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of ADMIRE 240 Flowable Systemic Insecticide or other Group 4 insecticides with different groups that control the same pests in a field.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Before spraying ADMIRE 240 Flowable Systemic Insecticide, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial or IPM specialists.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Bayer CropScience Inc. via internet at www.cropscience.bayer.ca or phone 1-888-283-6847.

®ADMIRE is a registered trademark of Bayer CropScience.