

GROUPS 6 28 INSECTICIDE

MINECTO® PRO

INSECTICIDE/MITICIDE

COMMERCIAL

SUSPENSION CONCENTRATE

Broad spectrum insecticide/miticide for control of listed mites and insect pests on celeriac, potatoes, tuberous and corm vegetables, leafy greens, fruiting and cucurbit vegetables, apples, pears, and leaf petioles vegetables

ACTIVE INGREDIENTS:

Abamectin..... 28.5 g/L
Cyantraniliprole 135 g/L

Contains 1,2-benzisothiazolin-3-one at 0.042% and 2-bromo-2-nitropropane-1,3-diol at 0.03% as preservatives

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

DANGER**POISON**

REGISTRATION NO.: **33023**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L – 1000 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, ON N1G 4Z3
Telephone: 1-877-964-3682

Label

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. The user assumes the risk to persons or property that arises from any such use of this product.

FIRST AID

IF POISONING IS SUSPECTED, IMMEDIATELY contact a doctor or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

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

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

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

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

TOXICOLOGICAL INFORMATION

The abamectin component of this material is believed to enhance GABA activity in animals. It is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic mectin exposure. Toxicity can be minimized by early administration of chemical absorbents (e.g., activated charcoal). If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures as indicated by clinical signs, symptoms and measurements.

PRECAUTIONS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on

clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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

1. Hazard to humans and domestic animals.
2. **KEEP OUT OF THE REACH OF CHILDREN** and domestic animals. Keep unused product in original container tightly closed, locked up and away from food.
3. Fatal or poisonous if swallowed. Harmful if inhaled. Avoiding breathing spray mist.
4. Wash hands and face after handling and before eating or smoking.
5. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
6. Avoid contamination of feed and foodstuffs.
7. **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
8. **DO NOT** apply in greenhouses.
9. **DO NOT** apply by air.

Environmental Precautions:

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

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

Toxic to bees. This product is systemic and bees can be exposed to product residues in flower, leaves, pollen and/or nectar resulting from soil applications.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted or fine textured such as clay).

Avoid application of this product when heavy rain is forecast.

TOXIC to aquatic organisms. 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.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

This product is HIGHLY TOXIC to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow drift to blooming crops or weeds if bees are visiting

the treatment area.

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.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

STORAGE

Store in original container in a cool, dry, and secure place. Keep container closed when not in use. Do not store near food or feed.

DECONTAMINATION AND DISPOSAL

For information on disposal of unused, unwanted product, or in the case of a spill or spill clean-up, contact the manufacturer or provincial regulatory agency.

CONTAINER DISPOSAL:

For recyclable containers for commercial use:

DO NOT reuse this container for any other 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 or dispose of the rinsings in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use.

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

For refillable containers commercial use:

DO NOT reuse this container for any other purpose. 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.

For returnable containers commercial use:

DO NOT reuse this container for any other purpose. This empty container may be returned to the

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***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

MINECTO® is a trademark of a Syngenta Group Company.

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The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted or fine textured such as clay).

Avoid application of this product when heavy rain is forecast.

TOXIC to aquatic organisms. 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.

ENVIRONMENTAL HAZARDS

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Avoid application when heavy rain is forecast.

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PRODUCT INFORMATION

MINECTO® PRO is a suspension concentrate for control of labeled mites and insects in labeled crops.

Thorough coverage and use of proper adjuvant is essential for good mite and insect control. Certain crops such as apple and pear require application of 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare. Other crops require 0.1-0.5% v/v NIS (non-ionic surfactant) in the spray mixture. Consult the crop specific Directions for Use in the table below for any additional adjuvant recommendations for that crop. In all cases, use either the adjuvant rate as specified on the adjuvant label, or the values given here, whichever is more restrictive.

Proper adjuvant use is required on all crops to avoid illegal crop residues. Follow the crop specific directions for use to achieve thorough coverage and avoid illegal crop residues.

Adjuvant Phytotoxicity Precaution: Since MINECTO PRO must always be mixed with a spray adjuvant as instructed in the directions above, and spray adjuvants alone are known to cause phytotoxicity to certain crops under certain environmental conditions, do not use MINECTO PRO on a spray-adjuvant sensitive crop unless the spray adjuvant supplier can confirm a known non-phytotoxic labeled use rate for the intended spray adjuvant on the target crop.

DIRECTIONS FOR USE

Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table.

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.

GROUND APPLICATION:

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing MINECTO PRO using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

MIXING INSTRUCTIONS:

1. Ensure that the sprayer interior is clean, then fill the spray tank with ½ the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
2. Add any WG or DF formulation mix partners and agitate to ensure complete mixing.

3. Add MINECTO PRO and agitate to ensure complete mixing.
4. Add any SE or SC formulation mix partners and agitate to ensure complete mixing.
5. Add any EC formulation mix partners and agitate to ensure complete mixing.
6. Fill the tank to $\frac{3}{4}$ the required amount of water.
7. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
8. Finish filling the sprayer with water, maintaining good agitation.
9. After any break in spraying operations, agitate thoroughly before spraying again.
10. Spray the pesticide suspension the same day as mixing.
11. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

SPRAYER CLEAN-UP:

Before Spraying:

- Prior to using MINECTO PRO, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow MINECTO PRO residue to dry within the spray tank
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

EQUIPMENT SPECIFIC INSTRUCTIONS

DO NOT apply by air.

Field sprayer application: **DO NOT** apply during atmospheric conditions of thermal inversion which are characterized by dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply spray droplets which are smaller than the American Society of Agricultural and Biological Engineers fine classification (ASABE Standard S-572.1). Boom height must be 60 cm or less above the crop or ground.

SPRAYING INSTRUCTIONS

1. Water Volume: Apply in a minimum spray volume of 200 L/ha.
2. Sprayer Agitation: Use a jet agitator or liquid sparge tub which recirculates 10% or more of the tank per minute. **DO NOT** use an air sparger.
3. Pump: Screens should be used to protect the pump and prevent clogging. Use 16 mesh or *coarser* screens on the suction side of the pump. **DO NOT** place a screen in the

- recirculation line. Use 50 mesh or *coarser* screens between the pump and boom.
4. Spray Nozzles: 80° or 110° drift reducing flat fan (e.g. those with a pre-orifice or turbulence chamber) or air induction nozzles are recommended. Use 50 mesh nozzle screens. **DO NOT** use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
 5. Pressure: As recommended by the nozzle manufacturer to achieve ASABE fine sized droplets.
 6. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

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.

Airblast application: **DO NOT** apply during atmospheric conditions of thermal inversion which are characterized by dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural and Biological Engineers fine classification (ASABE Standard S-572.1). **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.

SPRAYING INSTRUCTIONS

1. Water Volume: Apply in a minimum spray volume of 450 L/ha. Water volume should exceed the minimum recommendation when number of trees per hectare and/or density of foliage are increased so that thorough coverage is achieved.
2. Spray Quality: Select nozzles and pressure to achieve ASABE fine sized droplets.
3. Spray Distribution: Select nozzles, orient deflectors, and adjust air speed and volume to ensure only the canopy is sprayed. Spray should just reach the top of the target. Account for the shape and canopy density of the target when setting spray distribution.
4. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in overly 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.

Buffer Zones

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

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.

| Method of application | Crop | Buffer Zones (metres) Required for the Protection of: | | | | | |
|-----------------------|---|---|------------------|--------------------------------------|------------------|---------------------|---|
| | | Freshwater Habitat of Depths: | | Estuarine/Marine Habitats of Depths: | | Terrestrial habitat | |
| | | Less than 1 m | Greater than 1 m | Less than 1 m | Greater than 1 m | | |
| Field sprayer | Celeriac | 20 | 10 | 120 | 100 | 1 | |
| | Potatoes, Tuberous and Corm Vegetables (Crop Subgroup 1C), | 15 | 10 | 120 | 95 | 1 | |
| | Leafy Greens (Crop Subgroup 4-13A), Fruiting Vegetables (Crop Group 8-09), Cucurbit Vegetables (Crop Group 9) | 25 | 10 | 120 | 120 | 1 | |
| | Leaf Petioles (Crop Subgroup 22B) Crops | 30 | 15 | 120 | 120 | 1 | |
| Airblast | Apples | Early growth stage | 25 | 20 | 60 | 50 | 3 |
| | | Late growth stage | 20 | 10 | 50 | 40 | 2 |
| | Pears | Early growth stage | 35 | 25 | 65 | 55 | 3 |
| | | Late growth stage | 25 | 15 | 55 | 45 | 2 |

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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.

DIRECTIONS FOR USE

| POTATO | |
|--|--|
| CROP | Potato |
| PESTS CONTROLLED | European corn borer |
| RATE | 370 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. For European corn borer control, time the application to coincide with peak egg hatch. Scout for European corn borer by monitoring egg laying and egg hatch to determine application timing. Thorough coverage is important to obtain optimum control. |

| | |
|--|---|
| PESTS CONTROLLED | Spider mites, potato psyllids, and flea beetle |
| RATE | 370 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. For control of spider mites, make the first application when mites first appear. Repeat application as needed to maintain control. Thorough coverage is important to obtain optimum control. |
| PESTS CONTROLLED | Colorado potato beetle |
| RATE | 556 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. For control of Colorado potato beetle, make the first application after approximately 50% of the egg masses have hatched and larvae are present. If two applications are needed, limit them to a single Colorado potato beetle generation per crop. Thorough coverage is important to obtain optimum control. Do not apply MINECTO PRO for Colorado potato beetle control if any Group 28 was used at planting as an in-furrow, soil or seed-piece treatment. |
| MINIMUM SPRAY VOLUME | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 2 at upper range rate; or 3 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 1.340 L/ha |
| APPLICATION INTERVAL | 7 days |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 14 days of harvest |
| SPECIFIC RESTRICTIONS | For European corn borer, spider mites, potato psyllids and flea beetle, do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| TUBEROUS AND CORM VEGETABLES | |
|--|--|
| CROP SUBGROUP | Tuberous and Corm Vegetables (Crop subgroup 1C) Crops (including all cultivars, varieties and/or hybrids of these) |
| | arracacha potato arrowroot sweet potato artichoke, Chinese yam, true artichoke, Jerusalem canna, edible chufa dasheen (taro) |
| PESTS CONTROLLED | Cabbage looper, armyworm, beet armyworm, fall armyworm |
| RATE | 370 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| PESTS CONTROLLED | Variiegated cutworm and European corn borer |
| RATE | 370 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. For European corn borer control, time the application to coincide with peak egg hatch. Scout for European corn borer by monitoring egg laying and egg hatch to determine application timing. Thorough coverage is important to obtain optimum control. |
| PESTS CONTROLLED | Spider mites and flea beetle |
| RATE | 370 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |

| TUBEROUS AND CORM VEGETABLES | |
|--|--|
| PESTS CONTROLLED | Corn earworm and suppression of tobacco hornworm and tomato hornworm |
| RATE | 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| MINIMUM SPRAY VOLUME | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 2 at upper range rate; or 3 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 1.340 L/ha |
| APPLICATION INTERVAL | 7 days |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 14 days of harvest |
| SPECIFIC RESTRICTIONS | Do not apply MINECTO PRO unless mites and another labelled insect are present at the same time. Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| CELERIAC | |
|--|--|
| CROP | Celeriac |
| PESTS CONTROLLED | Two-spotted spider mite and flea beetle |
| RATE | 741 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Do not apply MINECTO PRO unless both mites and flea beetles are present at the same time. Begin applications when treatment thresholds have been reached. Apply when mites first appear and repeat as necessary to maintain control. Thorough coverage is important to obtain optimum control. |
| MINIMUM SPRAY VOLUME | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 2 |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 1.482 L/ha |
| APPLICATION INTERVAL | 7 days |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 7 days of harvest |
| SPECIFIC RESTRICTIONS | Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| LEAFY GREENS | | | |
|--|--|--|-------------------------|
| CROP SUBGROUP | | Leafy Greens (Crop subgroup 4-13A) Crops (including all cultivars, varieties and/or hybrids of these) | |
| | | amaranth, Chinese | feather cockscomb |
| | | amaranth, leafy | good King Henry |
| | | aster, Indian | huauzontle |
| | | blackjack | jute leaves |
| | | cat's whiskers | lettuce, bitter |
| | | cham-chwi | lettuce, head |
| | | cham-na-mul | lettuce, leaf (Romaine) |
| | | chervil, fresh leaves | orach |
| | | chipilin | parsley, fresh leaves |
| | | chrysanthemum, garland | plantain, buckhorn |
| | | cilantro, fresh leaves | primrose, English |
| | | corn salad | purslane, garden |
| | | cosmos | purslane, winter |
| | | dandelion | radicchio (red chicory) |
| | | dang-gwi | spinach |
| | | dillweed, fresh leaves | spinach, Malabar |
| | | dock | spinach, New Zealand |
| | | dol-nam-mul | spinach, tree |
| | | ebolo | swiss chard |
| | | endive | tanier spinach |
| | | escarole | violet, Chinese |
| | | fameflower | |
| PESTS CONTROLLED | | Cabbage looper, armyworm, beet armyworm and fall armyworm | |
| RATE | | 370 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION TIMING AND INSTRUCTIONS | | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. | |
| PESTS CONTROLLED | | Cutworm | |
| RATE | | 370 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION TIMING AND INSTRUCTIONS | | Begin applications when treatment thresholds have been reached. For early season cutworm control, apply to foliage when rain is not expected in the next 24 hours. For optimal control, apply to smaller plants or when lower portions of the plant can receive adequate coverage. Thorough coverage is important to obtain optimum control. | |
| PESTS CONTROLLED | | Carmine spider mite, and two-spotted spider mite | |
| RATE | | 385 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION TIMING AND INSTRUCTIONS | | Apply when mites first appear and repeat as needed to maintain control. Thorough coverage is important to obtain optimum control. | |

| LEAFY GREENS | |
|--|--|
| PESTS CONTROLLED | Corn earworm |
| RATE | 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| MINIMUM SPRAY VOLUME | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 3 at upper range rate; or 5 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 2.010 L/ha |
| APPLICATION INTERVAL | 7 days |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 7 days of harvest |
| SPECIFIC RESTRICTIONS | Do not apply MINECTO PRO unless mites and another labelled insect are present at the same time. Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| FRUITING VEGETABLES | |
|--|--|
| CROP GROUP | Fruiting Vegetables (Crop group 8-09) Crops (including all cultivars, varieties and/or hybrids of these) African eggplant pea eggplant currant tomato pepino eggplant pepper, bell garden huckleberry pepper, non-bell goji berry scarlet eggplant groundcherry sunberry martynia tomatillo okra tomato |
| PESTS CONTROLLED | Cabbage looper, armyworm, beet armyworm and fall armyworm |
| RATE | 370 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |

| FRUITING VEGETABLES | | | |
|---------------------------------|---------------|------------|---|
| PESTS CONTROLLED | | | Cutworm and European corn borer |
| RATE | | | 370 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION INSTRUCTIONS | TIMING | AND | <p>Begin applications when treatment thresholds have been reached.</p> <p>For early season cutworm control, apply to foliage when rain is not expected in the next 24 hours. For optimal control, apply to smaller plants or when lower portions of plant can receive adequate coverage.</p> <p>For European corn borer control, time the application to coincide with peak egg hatch. Scout for European corn borer by monitoring egg laying and egg hatch to determine application timing.</p> <p>Thorough coverage is important to obtain optimum control.</p> |
| PESTS CONTROLLED | | | Liriomyza leafminers, and flea beetle |
| RATE | | | 385 – 741 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION INSTRUCTIONS | TIMING | AND | <p>Begin applications when treatment thresholds have been reached.</p> <p>Thorough coverage is important to obtain optimum control.</p> |
| PESTS CONTROLLED | | | Broad mite, spider mites, tomato russet mite, tomato psyllid |
| RATE | | | 385-670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION INSTRUCTIONS | TIMING | AND | Apply when mites first appear. |
| PESTS CONTROLLED | | | Tomato fruitworm (corn earworm) |
| PESTS SUPPRESSED | | | Tobacco hornworm and tomato hornworm |
| RATE | | | 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION INSTRUCTIONS | TIMING | AND | <p>Begin applications when treatment thresholds have been reached.</p> <p>Thorough coverage is important to obtain optimum control.</p> |

| FRUITING VEGETABLES | | | |
|--|--|--|--|
| PESTS CONTROLLED | | | Colorado potato beetle |
| RATE | | | 556 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | | | <p>Begin applications when treatment thresholds have been reached.</p> <p>For control of Colorado potato beetle, make the first application after approximately 50% of the egg masses have hatched and larvae are present. If two applications are needed, limit them to a single Colorado potato beetle generation per crop.</p> <p>Thorough coverage is important to obtain optimum control.</p> <p>Do not apply MINECTO PRO for Colorado potato beetle control if any Group 28 insecticide was used at planting as an in-furrow, soil treatment.</p> |
| MINIMUM SPRAY VOLUME | | | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | | | 3 at upper range rate; or 5 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | | | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | | | 2.223 L/ha |
| APPLICATION INTERVAL | | | 7 days |
| RE-ENTRY INTERVAL (REI) | | | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | | | Do not apply within 7 days of harvest |
| SPECIFIC RESTRICTIONS | | | For cabbage looper, armyworm, beet armyworm, fall armyworm, cutworm, European corn borer, Liriomyza leafminers, flea beetle, broad mite, spider mites, tomato russet mite, tomato psyllid, tomato fruitworm (corn earworm), tobacco hornworm and tomato hornworm, do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| CURCUBIT VEGETABLES | | | |
|----------------------------|---------------|---|--|
| CROP GROUP | | Cucurbit Vegetables (Crop group 9) Crops (including all cultivars, varieties and/or hybrids of these) | |
| | | Chinese waxgourd (Chinese preserving melon) citron melon cucumber gherkin gourd, edible (including hyotan, cucuzza, hechima and Chinese okra) <i>Momordica</i> spp. (including balsam apple, balsam pear, bitter melon, Chinese cucumber) muskmelon (including true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon and snake melon) | pumpkin squash, summer (including crookneck squash, scallop squash, straighneck squash, vegetable marrow, and zucchini) squash, winter (including butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash) watermelon |
| PESTS CONTROLLED | | Cabbage looper, armyworm and fall armyworm | |
| RATE | | 370 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION | TIMING | AND | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| INSTRUCTIONS | | | |
| PESTS CONTROLLED | | Cutworm | |
| RATE | | 385 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION | TIMING | AND | Begin applications when treatment thresholds have been reached. For early season cutworm control, apply to foliage when rain is not expected in the next 24 hours. For optimal control, apply to smaller plants or when lower portions of plant can receive adequate coverage. Thorough coverage is important to obtain optimum control. |
| INSTRUCTIONS | | | |
| PESTS CONTROLLED | | Spider mites | |
| RATE | | 385 – 670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION | TIMING | AND | Apply when mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program. Thorough coverage is important to obtain optimum control. |
| INSTRUCTIONS | | | |

| CURCUBIT VEGETABLES | |
|--|---|
| PESTS CONTROLLED | Corn earworm |
| RATE | 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| MINIMUM SPRAY VOLUME | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 3 at upper range rate; or 5 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 2.010 L/ha |
| APPLICATION INTERVAL | 7 days |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 7 days of harvest |
| SPECIFIC RESTRICTIONS | Do not apply MINECTO PRO unless spider mites and another labelled insect are present at the same time. Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| APPLE | |
|--|--|
| CROP | Apple |
| PESTS CONTROLLED | Codling moth, Oriental fruit moth, spotted tentiform leafminer, Western tentiform leafminer, oblique-banded leafroller, threelined leafroller, fruittree leafroller, European leafroller, eyespotted bud moth, tufted apple bud moth, European apple sawfly, two-spotted spider mite, McDaniel mite, European red mite |
| RATE | 496 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare |
| APPLICATION TIMING AND INSTRUCTIONS | <p>Begin applications when treatment thresholds have been reached.</p> <p>For optimum control of first generation codling moth, apply before first egg hatch (80 to 110 degree days Celsius after BIOFIX). For second generation codling moth, timing is based on first egg hatch after establishing a new BIOFIX. BIOFIX is determined to be set when a first consistent moth catch has been attained within the orchard. For the determination of degree-days for codling moth, a lower and upper threshold of 10 and 31 degrees Celsius is used.</p> <p>For optimum control of oriental fruit moth, apply at first egg hatch of the targeted generation.</p> <p>For optimum control of tentiform leafminer, apply against egg (to control new hatch) and early sap feeder stages of first- and second-generation tentiform leafminers when locally established thresholds have been reached.</p> <p>For optimum control of over-wintering generations of oblique-banded leafroller, monitor larval population in the spring, and apply when over-wintering larvae become active, from pink stage through petal fall. For summer generations, monitor adult moth flight, and apply at first egg hatch (170 to 240 degree days Celsius) after the first sustained moth catch.</p> <p>For optimal results, apply before a threshold of five spider mites per leaf is reached. Residual spider mite control is greater from spray deposits on newer leaves compared to older. For best results, apply MINECTO PRO for spider mite control in the tree development period extending from petal fall through 6 weeks following petal fall.</p> <p>Thorough coverage is important to obtain optimum control.</p> |

| APPLE | |
|--|---|
| MINIMUM SPRAY VOLUME | 450 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | 1 |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | 1 application in total then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | 0.5 L/ha |
| RE-ENTRY INTERVAL (REI) | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | Do not apply within 28 days of harvest |
| SPECIFIC RESTRICTIONS | Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

| PEAR | |
|--|--|
| CROP | Pear |
| PESTS CONTROLLED | Codling moth, Oriental fruit moth, |
| RATE | 556 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare |
| PESTS CONTROLLED | Spotted tentiform leafminer and Western tentiform leafminer |
| RATE | 496 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare |
| APPLICATION TIMING AND INSTRUCTIONS | <p>Begin applications when treatment thresholds have been reached.</p> <p>For optimum control of first generation codling moth, apply before first egg hatch (80 to 110 degree days Celsius after BIOFIX). For second generation codling moth, timing of the application is based on first egg hatch after establishing a new BIOFIX. BIOFIX is determined to be set when a first consistent moth catch has been attained within the orchard. For the determination of degree-days for codling moth, a lower and upper threshold of 10 and 31 degrees Celsius is used.</p> <p>For optimum control of oriental fruit moth, apply at first egg hatch of the targeted generation</p> <p>For optimum control of tentiform leafminer, apply against egg (to control new hatch) and early sap feeder stages of first- and second-generation tentiform leafminers when locally established thresholds have been reached.</p> <p>Thorough coverage is important to obtain optimum control.</p> |

| PEAR | | |
|--|--|--|
| PESTS CONTROLLED | Oblique-banded leafroller, threelined leafroller, fruittree leafroller, European leafroller, eyespotted bud moth, tufted apple bud moth, European apple sawfly | |
| RATE | 496 – 741 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare | |
| APPLICATION TIMING AND INSTRUCTIONS | <p>Begin applications when treatment thresholds have been reached.</p> <p>For optimum control of over-wintering generations of oblique-banded leafroller, monitor larval population in the spring, and apply when over-wintering larvae become active, from pink stage through petal fall. For summer generations, monitor adult moth flight, and apply at first egg hatch (170 to 240 degree days Celsius) after the first sustained moth catch. A repeat application approximately 10 days after the initial application may be needed to control the extended emergence of small larvae.</p> <p>Thorough coverage is important to obtain optimum control.</p> | |
| PESTS CONTROLLED | Two-spotted spider mite, McDaniel mite, European red mite, pear rust mite, yellow mite and pear psylla | |
| RATE | 496 – 1000 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare | |
| APPLICATION TIMING AND INSTRUCTIONS | <p>Begin applications when treatment thresholds have been reached.</p> <p>For optimal results, apply before a threshold of five spider mites per leaf is reached. Residual spider mite control is greater from spray deposits on newer leaves compared to older. For best results, apply MINECTO PRO for spider mite control in the tree development period extending from petal fall through 6 weeks following petal fall. If monitoring indicates the need, a second application at an interval of 21 days may be made.</p> <p>Thorough coverage is important to obtain optimum control.</p> | |
| PESTS CONTROLLED | Green peach aphid, rosy apple aphid and white apple leafhopper | |
| RATE | 556 – 1000 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare | |
| APPLICATION TIMING AND INSTRUCTIONS | <p>Begin applications when treatment thresholds have been reached.</p> <p>Applications of MINECTO PRO for control of white apple leafhopper are limited to first-generation white apple leafhoppers. Apply soon after petal fall.</p> <p>Thorough coverage is important to obtain optimum control.</p> | |

| PEAR | | | |
|---|---------------|---|---|
| PESTS CONTROLLED | | Apple maggot, plum curculio and Japanese beetle | |
| RATE | | 741 – 919 mL/ha 0.25-1% v/v spray oil in the spray mixture or 10-20 L of spray oil per hectare | |
| APPLICATION | TIMING | AND | <p>Begin applications when treatment thresholds have been reached.</p> <p>For apple maggot control, apply 7 to 10 days after the first apple maggot fly is caught on the traps in orchard.</p> <p>For Japanese beetle, monitor adult populations and insect damage. Follow provincial guidelines for treatment thresholds.</p> <p>For plum curculio, monitor trees along the edge of the orchard for the first sign of feeding damage after bloom.</p> <p>Thorough coverage is essential for optimum control.</p> |
| MINIMUM SPRAY VOLUME | | 450 L/ha | |
| MAXIMUM | NUMBER | OF | 1 at upper range rate; or 2 at lower range rate |
| APPLICATIONS PER SEASON | | | |
| MAXIMUM | NUMBER | OF | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| CONSECUTIVE SPRAYS | | | |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | | 1.0 L/ha | |
| RE-ENTRY INTERVAL (REI) | | 12 hours after application | |
| PRE-HARVEST INTERVAL (PHI) | | Do not apply within 28 days of harvest | |
| SPECIFIC RESTRICTIONS | | Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. | |

| LEAF PETIOLES | | | |
|-------------------------|---------------|---|---|
| CROP SUBGROUP | | Leaf Petioles (Crop subgroup 22B) Crops (including all cultivars, varieties and/or hybrids of these) | |
| | | cardoon | Rhubarb |
| | | celery | udo |
| | | celery, Chinese | zuiki |
| | | fuki | |
| PESTS CONTROLLED | | Cabbage looper, armyworm, beet armyworm and fall armyworm | |
| RATE | | 370 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) | |
| APPLICATION | TIMING | AND | <p>Begin applications when treatment thresholds have been reached.</p> <p>Thorough coverage is important to obtain optimum control.</p> |
| INSTRUCTIONS | | | |

| LEAF PETIOLES | | | |
|--|--|--|---|
| PESTS CONTROLLED | | | Cutworm |
| RATE | | | 370 – 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | | | Begin applications when treatment thresholds have been reached. For early season cutworm control, apply to foliage when rain is no expected in the next 24 hours. For optimal control, apply to smaller plants or when lower portions of the plant can receive adequate coverage. Thorough coverage is important to obtain optimum control. |
| PESTS CONTROLLED | | | Pea leafminer |
| RATE | | | 370 – 741 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | | | For control of leafminers, apply when first adult flies are first observed and repeat applications as needed to maintain control. Thorough coverage is important to obtain optimum control. |
| PESTS CONTROLLED | | | Corn earworm |
| RATE | | | 556 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| PESTS CONTROLLED | | | Carmine spider mite and two spotted spider mite |
| RATE | | | 370-670 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS) |
| APPLICATION TIMING AND INSTRUCTIONS | | | Apply when mites first appear and repeat as needed to maintain control. Thorough coverage is important to obtain optimum control. For Corn earworm, being applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. |
| MINIMUM SPRAY VOLUME | | | 200 L/ha |
| MAXIMUM NUMBER OF APPLICATIONS PER SEASON | | | 3 at upper range rate; or 6 at lower range rate |
| MAXIMUM NUMBER OF CONSECUTIVE SPRAYS | | | Make up to 2 consecutive applications then switch to a non-Group 6 and non-Group 28 insecticide. Follow all precautions, restrictions and directions on the labels of insecticide products used in an alternation program. |
| MAXIMUM AMOUNT OF PRODUCT PER SEASON | | | 2.223 L/ha |
| APPLICATION INTERVAL | | | 7 days |
| RE-ENTRY INTERVAL (REI) | | | 12 hours after application |
| PRE-HARVEST INTERVAL (PHI) | | | Do not apply within 7 days of harvest |
| SPECIFIC RESTRICTIONS | | | Do not make a foliar application of MINECTO PRO for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide unless otherwise directed in the Directions for Use table. |

ROTATIONAL CROP RESTRICTIONS

| Recommended Plant-Back Intervals (PBI) for Rotational Crops | Crops |
|--|---|
| 0 days | Crop Subgroup 1B (Root Vegetables, except sugar beet); Crop Subgroup 1C (Tuberous and Corm Vegetables); Crop Group 2 (Leaves of Root and Tuber Vegetables); Crop Group 3-07 (Bulb Vegetables); Crop Group 4 (Leafy Vegetables, except <i>Brassica</i> vegetables); Crop Group 5 (<i>Brassica</i> (Cole) Leafy Vegetables); Crop Group 6 (Legume Vegetables, Succulent or Dried); Crop Group 7 (Foliage of legume vegetables); Crop Group 8-09 (Fruiting Vegetables); Crop Group 9 (Cucurbit Vegetables); Crop Subgroup 13-07A (Canneberries); Crop Subgroup 13-07B (Bushberries); Crop Subgroup 13-07H (Low Growing Berries, except Strawberries); Crop Group 20 (Oilseeds); peanuts; strawberries |
| 30 days | Crop Group 1A (Root and Tuber Vegetables); Crop Group 15 (Cereal grains); Crop Group 16 (Forage, fodder, and straw of cereal grains); Crop Group 17 (Grass forage, fodder, and hay); Crop Group 18 (Nongrass animal feeds: Forage, fodder, straw and hay) |
| 365 days | Other crops |

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MINECTO PRO contains a Group 6 insecticide/miticide (abamectin, belonging to the avermectin class of chemistry) and a Group 28 insecticide/miticide (cyantraniliprole, belonging to the diamide class of chemistry). Any insect/mite population may contain individuals naturally resistant to MINECTO PRO and other Group 6 or 28 insecticides. The resistant individuals may dominate the insect/mite 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 are specific for individual chemicals, such as enhanced metabolism, may also exist. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area.

To delay insecticide/miticide resistance:

Where possible, rotate the use of MINECTO PRO or other Group 6 or 28 insecticides/miticides with different groups that control the same pests in a field.

Use tank mixtures with insecticides/miticides from a different group when such use is permitted.

Insecticide/miticide 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. If resistance is suspected, do not reapply MINECTO PRO or other Group 6 or Group 28 insecticides/miticides.

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 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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