

2023-0777
2023-08-16

GROUP	6	INSECTICIDE
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AGRI-MEK® SC

INSECTICIDE/MITICIDE

COMMERCIAL

SUSPENSION

For control of labeled mites and insects on labeled crops.

ACTIVE INGREDIENT:

Abamectin..... 84 g/L

Contains 1,2-benzisothiazolin-3-one at 0.019% OR 1,2-benzisothiazolin-3-one at 0.019% plus 2-bromo-2-nitropropane-1,3-diol at 0.021% OR 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00105% and 2-methyl -4-isothiazoline-3-one at 0.00035% as preservatives.

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

DANGER



POISON

REGISTRATION NO.: **31607**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **200 mL to 1050 L**

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

Label

1.0 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.

2.0 FIRST AID

IN CASE OF POISONING, contact a doctor or a poison control centre **IMMEDIATELY**. 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.

3.0 TOXICOLOGICAL INFORMATION

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

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Keep unused product in original container tightly closed, locked up and away from food.

Fatal or poisonous if swallowed. May be fatal if inhaled. **DO NOT** breathe spray mist. Avoid inhalation of vapours/dust and working in spray mist.

RESTRICTED ENTRY INTERVAL (REI): DO NOT enter or allow worker entry into treated areas during the intervals specified in the following table:

Crop	Post application Activity	REI
Caneberries (CSG 13-07A)	Hand-set Irrigation	3 days
	All other post application activities	12 hours
Grapes	Scouting and Hand Weeding	12 hours
	Training, Bunch Thinning, Hand Pruning, Tying and Leaf Pulling	13 days
	Cane Turning, Shoot Positioning, and Girdling Activities	21 days
Green Onions (CSG 3-07B)	Hand Weeding	13 days
	Hand-set Irrigation	4 days
	Thinning and Scouting	1 day
	All other post application activities	12 hours
All Other Crops	All Activities	12 hours

Apply only when the potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

DO NOT apply by air.

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.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear chemical resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. In addition, mixer/loaders and applicators must wear a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

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.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

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

Toxic to bees. Bees may be exposed through direct spray, spray drift, and residues on/in leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website (www.canada.ca/pollinators). Follow crop specific directions for application timing.

For applications on crops that are highly attractive to pollinators (apple, pear, caneberry) or when using managed bees for pollination services: Do not apply during the crop blooming period (onset of flowering until after petal fall is complete).

For applications on strawberry, potato, grape: Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

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 filter strip between the treated area and the edge of the water body.

7.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated secure area away from other pesticides, feed, foodstuffs, beverages and tobacco, and out of the reach of children, unauthorized persons and animals. Store this product away from food and feed.

8.0 DISPOSAL

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.

For recyclable containers

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.
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

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

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Pamphlet

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9.0 PRODUCT INFORMATION

AGRI-MEK® SC is a suspension concentrate for control of labeled mites and insects in labeled crops.

9.1. General Use Precautions

Thorough coverage is essential for good mite and insect control. Consult the crop specific Directions for Use in the table below for adjuvant recommendations. Certain crops require application of 0.25-1% v/v horticultural oil in the spray mixture or 10-20 L of horticultural oil per hectare. Other crops require 0.1-0.5% v/v NIS (non-ionic surfactant) in the spray mixture. 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 Chemistry Precaution: Adjuvant products formulated with binder or sticker type components may reduce the performance of AGRI-MEK SC.

Adjuvant Phytotoxicity Precaution: Since AGRI-MEK SC 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 AGRI-MEK SC 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.

Pear and Apple Specific Precaution: Always tank mix AGRI-MEK SC with a spray oil registered for use on pears and apples.

10.0 DIRECTIONS FOR USE

10.1 General Information

DO NOT apply by air.

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

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

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

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

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

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

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

Always read and follow label directions including WALES mixing order.

10.2. Ground Application

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 Standard S-572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

10.2.1. Mixing Instructions

1. Ensure that the sprayer interior is clean, then fill the spray tank with $\frac{1}{2}$ 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 AGRI-MEK SC and then any additional SC or SE formulation mix partners and agitate to ensure complete mixing.
4. Add any EC formulation mix partners and agitate to ensure complete mixing.
5. Fill the tank to $\frac{3}{4}$ the required amount of water.
6. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
7. Add adjuvant, where required, as directed in the crop use directions section.
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.

10.2.2. Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 185 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER.
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 no smaller than 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.

10.2.3. Equipment Clean-Up

Before Spraying:

- Prior to using AGRI-MEK SC, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow AGRI-MEK SC 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.

10.3. Airblast Application

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.

10.3.1. Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 375 L/ha OR the volume given in the crop and pest specific instructions tabulated below, whichever is LARGER. 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.

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10.4. Spray Buffer Zones:

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

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	Estuarine/Marine Habitat
Field sprayer	Apples, Pears, Potatoes, Bulb Onions (CSG 3-07A), Green Onions (CSG 3-07B), Celery, Caneberries (CSG 13-07A), Grapes, Strawberries, Celeriac	30	60
Airblast	Apples, Pears, Grapes, Hops	45	75
	Early growth stage	35	65
	Late growth stage		

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 website.

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.

11.0 CROP USE DIRECTIONS

11.1. Apple

CROP	APPLE
PESTS	Two-spotted spider mite McDaniel mite European red mite Spotted tentiform leafminer
USE RATE for dilute spray ^a	4.5 mL/100 L water 0.25-1% v/v spray oil registered for use on apples
USE RATE for concentrated spray ^b	170 mL/ha 10-20 L/ha spray oil registered for use on apples
APPLICATION METHOD	Ground application (field sprayer or airblast)

APPLICATION TIMING	<p>Apply before a threshold of 5 spider mites per leaf is reached. Applications of AGRI-MEK SC for spider mite control should be limited to a period extending from petal fall through six weeks following petal fall.</p> <p>Apply at the time of first generation egg hatch for control of early sap feeder stages of first and second generation tentiform leafminers. Applications of AGRI-MEK SC for tentiform leafminer control should be limited to a period extending from petal fall through six weeks following petal fall.</p> <p>Residual spider mite and tentiform leafminer control with AGRI-MEK SC in combination with spray oil registered for use on apples is greater from spray deposits on newer leaves compared to older leaves.</p>
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	1 application
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	14.3 g ai/ha/season of abamectin
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 28 days of harvest
NOTES	<p>DO NOT apply in less than 375 L of water per hectare. DO NOT apply this product through any type of irrigation equipment.</p> <p>Pollinator Precautions: This product is toxic to bees. Do not apply during the crop blooming period (onset of flowering until after petal fall is complete).</p> <p>DO NOT use in orchards interplanted with other crops. DO NOT allow livestock to graze in treated orchards. DO NOT apply by air.</p> <p>AGRI-MEK SC in combination with Superior "70" Oil may cause fruit injury to certain varieties of apples, e.g., russetting on light-skinned varieties such as Golden Delicious, when used alone or when other products are applied sequentially. The Directions for Use and Precautions on spray oil labels, as well as precautions in official Spray Guides, should be followed carefully when tank mixing with AGRI-MEK SC.</p> <p>^a The rate of AGRI-MEK SC per 100 litres is based on a standard volume of 3750 L/ha dilute spray. ^b Use the same amount of product per hectare in concentrate sprays as would be required for the dilute sprays to the same orchard/grove.</p>

11.2. Pear

CROP	PEAR
PESTS	<p>Two-spotted spider mite McDaniel mite European red mite Pear rust mite Yellow mite Pear Psylla</p>

USE RATE for dilute spray^a	4.5 - 9 mL/100 L water 0.25-1% v/v spray oil registered for use on pears
USE RATE for concentrated spray^b	170 – 340 mL/ha 10-20 L/ha spray oil registered for use on pears
APPLICATION METHOD	Ground application (field sprayer or airblast)
APPLICATION TIMING	When insects or damage appear. Timing of applications should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring. For spider mite control, apply before a threshold of 5 spider mites per leaf is reached.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2 applications of 170 mL/ha or 1 application of 340 mL/ha
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	28.6 g ai/ha/season of abamectin
APPLICATION INTERVAL	21 days
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 28 days of harvest
NOTES	<p>DO NOT apply in less than 375 L of water per hectare. DO NOT apply this product through any type of irrigation equipment.</p> <p>Pollinator Precautions: This product is toxic to bees. Do not apply during the crop blooming period (onset of flowering until after petal fall is complete).</p> <p>DO NOT use in orchards interplanted with other crops. DO NOT allow livestock to graze in treated orchards. DO NOT apply by air.</p> <p>AGRI-MEK SC plus Superior “70” Oil may cause fruit injury to certain varieties of pears particularly d’Anjou and other sensitive varieties, when used alone or when other products are applied sequentially. The Directions for Use and Precautions on spray oil labels, as well as precautions in official Spray Guides, should be followed carefully when using AGRI-MEK SC plus Superior “70” Oil. Certain conditions, including but not limited to, application when temperatures are expected to exceed 30 °C within 24 hours of application may result in fruit injury after the use of AGRI-MEK SC plus spray oil.</p> <p>^a The rate of AGRI-MEK SC per 100 liters is based on a standard volume of 3750 L per hectare dilute spray. ^b To determine the amount of product per hectare for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product per hectare in concentrate sprays as would be required for the dilute sprays to the same orchard/grove. This may result in the use of less than 170 mL AGRI-MEK SC per hectare on small trees.</p>

11.3. Potatoes

CROP	POTATOES
PESTS	Colorado potato beetle Spider mite (including two-spotted spider mite)
RATE	120-225 mL/ha in 185 L of water/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION TIMING	Spider Mite: Apply when pests first appear. Colorado Potato Beetle: Make the first application after approximately 50% of the egg masses have hatched and larvae are present. If 2 applications are needed, limit them to a single Colorado potato beetle generation per crop.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2 applications (maximum of 450 mL of product per season)
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	37.8 g ai/ha/season of abamectin
APPLICATION INTERVAL	7 days
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 14 days of harvest
NOTES	<p>DO NOT graze treated crop. DO NOT apply by air.</p> <p>Pollinator Precautions: This product is toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period (onset of flowering until after petal fall is complete).</p> <p>The lower rate is recommended for control under low pest population pressure. Use the higher rate under higher population pressure.</p> <p>Re-apply if monitoring indicates that it is necessary.</p> <p>Consult provincial guidelines and local extension experts for treatment advice.</p>

11.4. Bulb Onions (Crop Subgroup 3-07A)

CROP SUBGROUP 3-07A	
CROPS	Daylily, bulb Fritillaria Garlic, bulb Garlic, great-headed, bulb Garlic, serpent, bulb Lily Onion, bulb Onion, Chinese, bulb Onion, pearl Onion, potato, bulb Shallot, bulb
PEST	Onion Thrips
RATE	135-270 mL/ha 0.25-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION TIMING	Apply when onion thrips or signs of onion thrips feeding first appear.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	3 applications
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	68 g ai/ha/season of abamectin
APPLICATION INTERVAL	Minimum of 7 days between applications if monitoring indicates that it is necessary.
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 30 days of harvest
NOTES	<p>Use the higher rate of AGRI-MEK SC under higher population pressure. Use the higher rate of non-ionic surfactant on mature leaves. Apply in a minimum of 200 L of water per hectare with conventional ground application equipment.</p> <p>Note: AGRI-MEK SC should be applied with a non-ionic surfactant to improve wetting of foliage and to smooth out spray deposits. Spreading and penetrating surfactants can improve insect control. Do not use binder or sticker-type surfactants. Although AGRI-MEK SC has been tested in combination with a non-ionic surfactant for safety to some varieties of bulb onions, it is impossible to test on all crops and varieties in the bulb onion sub-group under the range of conditions that may cause crop injury. Therefore, when using AGRI-MEK SC in combination with a non-ionic surfactant, carefully follow the Directions for Use and Precautions on the non-ionic surfactant label. It is recommended that a small number of plants be tested before treating a large area.</p> <p>DO NOT apply by air.</p>

11.5. Celery

CROP	CELERY
PEST	Pea Leafminer (<i>Liriomyza huidobrensis</i>)
RATE	135-250 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION TIMING	Apply when the pea leafminer flies and leaf damage is first observed.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	4 applications; DO NOT make 2 sequential applications, switch to a product with a different mode of action
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	84 g ai/ha/season of abamectin
APPLICATION INTERVAL	7 days
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 14 days of harvest
NOTES	<p>The lower rate is recommended for control under low pest population pressure. Use the higher rate under higher population pressure. Re-apply if monitoring indicates that it is necessary. Consult provincial guidelines and local extension experts for treatment advice.</p> <p>Apply in sufficient water, a minimum 200 L of water/ha for good upper and lower leaf coverage.</p> <p>DO NOT apply through any type of irrigation equipment.</p> <p>DO NOT graze treated crop.</p> <p>DO NOT apply by air.</p> <p>DO NOT apply to transplants.</p>

11.6. Caneberries (Crop Subgroup 13-07A)

CROP SUBGROUP 13-07A	
CROPS	Blackberry Loganberry Raspberry, black and red Wild raspberry Cultivars, varieties and/or hybrids of these
APPLICATION TYPE	For Post-Harvest Control
PEST	Two-spotted spider mites
RATE	225 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION INTERVAL	7-10 days
APPLICATION TIMING	Apply as post-harvest treatments to the bushes after the fruit are harvested. Apply first application when mites appear and a second application 7-10 days later.
NOTES	<p>DO NOT apply more than 3 pre-harvest applications (please refer to the Minor Use section of this label for the pre-harvest directions for use) and 2 post-harvest applications per growing season.</p> <p>DO NOT apply more than 1.13 L of product per season.</p> <p>DO NOT apply in less than 375 L of water per hectare.</p> <p>DO NOT graze treated crop.</p> <p>Pollinator Precautions: This product is toxic to bees. Do not apply during the crop blooming period (onset of flowering until after petal fall is complete).</p> <p>DO NOT apply by air.</p> <p>DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days for hand-set irrigation and 12 hours for all other post application activities.</p>

11.7. Grapes

CROP	GRAPES
PESTS	Two-Spotted spider mite European red mite
RATE	130-265 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer or airblast)
APPLICATION TIMING	Apply first application when mites first appear but before the economic threshold is exceeded. Consult provincial guidelines and local extension experts.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2 applications (maximum 530 mL product/ha/season)
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	44.5 g ai/ha/season of abamectin
APPLICATION INTERVAL	21 days between applications if monitoring indicates that a second application is necessary
RESTRICTED ENTRY INTERVAL (REI)	12 hours for scouting and hand weeding 13 days for training, bunch thinning, hand pruning, tying and leaf pulling 21 days for cane turning, shoot positioning and girdling activities
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 28 days of harvest
NOTES	<p>Use 130 – 200 mL/ha product for low to moderate infestations and 265 mL/ha for severe infestations Apply in combination with a non-ionic surfactant. Apply in a minimum of 470 L of water per hectare with conventional ground application equipment. When using an electrostatic sprayer, less than 470 L of water per hectare may be used. However, do not use less than 20 L per hectare.</p> <p>Note: AGRI-MEK SC must be applied with a non-ionic surfactant to improve wetting of foliage and to smooth out spray deposits. Spreading and penetrating surfactants can improve insect control. Do not use binder or sticker-type surfactants. Although AGRI-MEK SC has been tested in combination with a non-ionic surfactant for safety to grapes, it is impossible to test on all grape varieties under the variety of conditions that may cause crop injury. Therefore, when using AGRI-MEK SC in combination with a non-ionic surfactant, carefully follow the Directions for Use and Precautions on the non-ionic surfactant label and in official spray guides. Thorough coverage is essential for good mite control. Do not spray alternate rows. AGRI-MEK SC must be applied to both sides of each row for maximum coverage.</p> <p>DO NOT allow livestock to graze in treated vineyards. DO NOT apply by air.</p> <p>Pollinator Precautions: This product is toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period (onset of flowering until after petal fall is complete).</p>

11.8. Strawberry

CROP	STRAWBERRY
APPLICATION TYPE	PRE-HARVEST APPLICATION
PESTS	Cyclamen Mite Two-Spotted Spider Mites McDaniel Spider Mite
RATE	225 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Apply as pre-harvest treatment with ground equipment (field sprayer)
APPLICATION TIMING	Apply first application when mites first appear.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2 applications per growing season including pre- and post-harvest applications
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	37.8 g ai/ha/season of abamectin including pre- and post-harvest applications
APPLICATION INTERVAL	7-10 days between applications if monitoring indicates that a second application is necessary.
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 3 days of harvest
APPLICATION TYPE	POST-HARVEST APPLICATION
PEST	Two-spotted spider mites McDaniel Spider Mite
RATE	225 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Apply as post-harvest treatments with ground equipment (field sprayer)
APPLICATION TIMING	When mites or damage appear. Timing of applications should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring. For spider mite control, apply before a threshold of 5 spider mites per leaf is reached.
MAXIMUM NUMBER OF APPLICATIONS PER SEASON	2 applications per growing season including pre- and post-harvest applications
MAXIMUM AMOUNT OF ACTIVE INGREDIENT /HA/SEASON	37.8 g ai/ha/season of abamectin including pre- and post-harvest applications
RESTRICTED ENTRY INTERVAL (REI)	12 hours after application
PRE-HARVEST INTERVAL (PHI)	DO NOT apply within 10 months of following year harvest
NOTES	DO NOT apply in less than 375 L of water per hectare. DO NOT graze treated crop. Pollinator Precautions: This product is toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period (onset of flowering until after petal fall is complete). DO NOT apply by air.

12.0 MINOR USES

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

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Syngenta Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

12.1. Potatoes

CROP	POTATOES
PEST	Potato psyllid
RATE	225 mL/ha in 185 L of water/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION INTERVAL	7 days
PRE-HARVEST INTERVAL (PHI)	14 days
APPLICATION TIMING	Apply when pests first appear.
NOTES	<p>DO NOT apply more than 2 applications per year. DO NOT apply more than 450 mL of product per hectare per season. DO NOT graze treated crop. DO NOT apply by air.</p> <p>Pollinator Precautions: This product is toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period (onset of flowering until after petal fall is complete).</p>

12.2. Caneberries (Crop Subgroup 13-07A)

CROP SUBGROUP 13-07A	
CROPS	Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry) Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these) Raspberry, black and red Wild raspberry Cultivars, varieties and/or hybrids of these
APPLICATON TYPE	For Pre Harvest Control
PEST	Two-spotted spider mites
RATE	225 mL/ha 0.1-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION INTERVAL	7 days
PRE-HARVEST INTERVAL (PHI)	7 days
APPLICATION TIMING	Apply first application when mites appear. Reapply if monitoring indicates that it is necessary. Apply by ground equipment with sufficient water to obtain full coverage of the foliage or target area.
NOTES	<p>DO NOT apply more than 3 pre-harvest applications and more than 2 post-harvest (refer to the Directions for Use section of this label for post-harvest use pattern) applications per growing season.</p> <p>DO NOT apply more than 1.13 L/ha of product per season.</p> <p>DO NOT apply in less than 375 L of water per hectare. Spray volume will vary with plant density per hectare. Use calibrated ground sprayers to deliver sufficient water for thorough coverage on upper and lower leaf surfaces</p> <p>DO NOT graze treated crop.</p> <p>DO NOT apply by air.</p> <p>Pollinator Precautions: This product is toxic to bees. Do not apply during the crop blooming period (onset of flowering until after petal fall is complete).</p> <p>DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days for hand-set irrigation and 12 hours for all other post application activities.</p>

12.3. Green Onions (Subgroup 3-07B)

CROP SUBGROUP 3-07B	
CROPS	<p>Onion, fresh Chive, Chinese, fresh leaves Onion, green Chive, fresh leaves Onion, macrostem Elegans hosta Onion, tree, tops Fritillaria Onion, Welsh, tops Kurrat Shallot, fresh leaves Lady's leek Wild leek Leek Onion, Beltsville bunching</p>
PEST	Onion thrips
RATE	135 - 270 mL/ha 0.25-0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer)
APPLICATION INTERVAL	7 days
PRE-HARVEST INTERVAL (PHI)	7 days
APPLICATION TIMING	Apply by foliar application when pest populations are building but before damage occurs. Consult local extension agents, professional consultants or other qualified authorities to determine appropriate threshold levels in your area. Use the higher application rate under heavy pest pressure.
NOTES	<p>DO NOT apply more than 4 applications per year. DO NOT apply in less than 200L water/ha. DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 13 days for hand weeding, 4 days for hand-set irrigation, 1 day for thinning and scouting and 12 hours for all other post application activities.</p>

12.4. Hops

CROP	HOPS
PESTS	Spider mites, including two-spotted spider mite
RATE	For applications at ½ trellis growth (1.8 – 2.5 m in height), apply 125 - 250 mL product/ha in a minimum of 400 L of water/ha. Use the higher rate under higher population pressure. For applications beyond ½ trellis growth, DO NOT use less than 225 mL product/ ha in a minimum of 950 L of water/ha. 0.25% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application (field sprayer or airblast)
APPLICATION INTERVAL	21 days
PRE-HARVEST INTERVAL (PHI)	28 days
APPLICATION TIMING	Make first application when mites first appear but before the economic threshold is exceeded. Consult provincial guidelines and local extension experts. Make a second application if monitoring indicates that it is necessary. Thorough coverage is essential for good mite control.
NOTES	DO NOT apply more than 2 applications per year. DO NOT apply more than 500 mL of product per hectare per year. DO NOT graze treated crop. DO NOT apply by air. Note: AGRI-MEK SC must be applied with a non-ionic surfactant to improve wetting of foliage and to smooth out spray deposits at a rate of 0.25% v/v. Spreading and penetrating surfactants can improve insect control. DO NOT use binder or sticker-type surfactants. Although AGRI-MEK SC has been tested in combination with a non-ionic surfactant for safety to hops, it is impossible to test on all hops varieties under the variety of conditions that may cause crop injury. Therefore, when using AGRI-MEK SC in combination with a non-ionic surfactant, carefully follow the directions for use and precautions on the non-ionic surfactant label and in official spray guides.

12.5. Celeriac

CROPS	Celeriac
PEST	Spider mites (<i>Tetranychidae</i>)
RATE	255 mL/ha Apply in sufficient water. 200 L water per hectare is recommended. 0.1 – 0.5% v/v non-ionic surfactant (NIS)
APPLICATION METHOD	Ground application. DO NOT apply using aerial application equipment.
APPLICATION INTERVAL	7 days
PRE-HARVEST INTERVAL (PHI)	7 days
APPLICATION TIMING	Apply when mites first appear and repeat as necessary to maintain control.
NOTES	DO NOT apply more than 2 applications per year.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that AGRI-MEK SC contains a Group 6 insecticide. Any insect population may contain individuals naturally resistant to AGRI-MEK SC and other Group 6 insecticides. The resistant individuals may dominate the insect population if this group of insecticide 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. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

Where possible, rotate the use of AGRI-MEK SC or other Group 6 insecticides with different groups that control the same pests in a field.

Use tank mixtures with miticides/insecticides from a different group when such use is permitted. Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

Application Limitations and Pre-harvest Intervals

Crop	Maximum Product Rate/ha/application (mL/ha)	Maximum total (mL/ha/Season)	Pre-Harvest Interval (PHI) (days)	Minimum Re-treatment Interval (days)
Apple	170	170	28	n/a
Pear	340	340	28	21
Potatoes	225	450	14	7
Bulb Onion (CSG 3-07A)	270	810	30	7
Celery	250	1000	14	7
Caneberries (CSG 13-07A)	225	1130	7	7-10
Grapes	265	530	28	21
Strawberry	225	450	3	7-10
Green Onions (CSG 3-07B)	270	1080	7	7
Hops	250	500	28	21
Celeriac	255	510	7	7

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