

# RESTRICTED USE PESTICIDE

DUE TO TOXICITY TO NON-TARGET INVERTEBRATES,  
MAMMALS, AND AQUATIC ORGANISMS

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS  
UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY  
THE CERTIFIED APPLICATOR'S CERTIFICATION.

ABAMECTIN | GROUP 6 | INSECTICIDE



# Agri-Mek<sup>®</sup> SC

## Miticide/Insecticide

syngenta<sup>®</sup>

*Active Ingredient:*

Abamectin<sup>1</sup>: ..... 8.0%\*

*Other Ingredients:* ..... 92.0%

*Total:* ..... 100.0%

<sup>1</sup>CAS No. 71751-41-2

\*Agri-Mek<sup>®</sup> SC Miticide/Insecticide is formulated as a suspension concentrate and contains 0.7 lb abamectin per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

## WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1351 EPA Est. 100-NE-001

Product of China  
Formulated in USA

SCP 1351A-L1L 0120  
4117960

**1 quart**  
**(32 fluid ounces)**  
Net Contents



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## 1.0 FIRST AID

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have a person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN</b> <p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal).</p> <p>If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin 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 abamectin exposure.</p>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOTLINE NUMBER</b> <p>For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident), Call <b>1-800-888-8372</b></p>	

## 2.0 PRECAUTIONARY STATEMENTS

### 2.1 Hazards to Humans and Domestic Animals

#### WARNING/AVISO

May be fatal if swallowed. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

### 2.2 Personal Protective Equipment (PPE)

All applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride  $\geq$  14 mils, or Viton<sup>®</sup>  $\geq$  14 mils
- Shoes plus socks

### 2.3 User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

### 2.4 Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

### 2.5 User Safety Recommendations

#### User Safety Recommendations

##### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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.

### 2.6 Environmental Hazards

This pesticide is toxic to fish and wildlife. For terrestrial uses: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

#### **2.6.1 SURFACE WATER ADVISORY**

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment.

**Runoff Prevention:** To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

**Attention:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## **DIRECTIONS FOR USE RESTRICTED USE PESTICIDE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Agri-Mek SC Insecticide must be used only in accordance with instructions on this label, in a supplemental label or in state-specific 24C labeling. Always read the entire label, including the Conditions of Sale and Limitation of Warranty and Liability.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers are allowed in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL  
MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.**

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: For grape girdling, cane turning, and tying in grapes, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 days.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short pants and short-sleeved shirt
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, polyvinyl chloride  $\geq$  14 mils, or Viton®  $\geq$  14 mils
- Shoes plus socks

## 3.0 PRODUCT INFORMATION

Agri-Mek SC is a suspension concentrate that will control specified pests on the crops listed on this label when the product is applied as directed by this label. Thorough coverage of foliage is essential for good mite and insect control.

Agri-Mek SC has been tested for phytotoxicity and has a wide margin of safety on a variety of crops. For tank mix safety refer to **Section 4.4.2**.

Agri-Mek SC must always be used with an adjuvant. Refer to **Section 4.4.5**.

**Seed Treatment:** Unless specifically restricted in the individual **Crop Use Directions** on this label, Agri-Mek SC may be used in the same year abamectin is used as an at-plant seed treatment.

Suppression can mean either inconsistent control (good to poor) or consistent control at a level below that generally considered acceptable for commercial control.

## 3.1 Resistance Management

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Some insect or mite pests are known to develop resistance to products after repeated use. 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. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects or mites on this label.

For resistance management, Agri-Mek SC contains a Group 6 miticide/insecticide. Any insect or mite population may contain individuals that are inherently resistant to Agri-Mek SC and other Group 6 miticide/insecticides. The resistant individuals may eventually dominate the insect or mite population if this group of miticides/insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect or mite may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

To delay insecticide resistance, take the following steps:

- Rotate the use of Agri-Mek SC or other Group 6 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- 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 your local Syngenta representative.



### 3.1.1 MAINTAINING SUSCEPTIBILITY TO THESE CLASSES OF CHEMISTRY

- Avoid using Group 6 miticides/insecticides exclusively for season long control of insect or mite species with more than one generation per crop season.
- For insect or mite species with successive or overlapping generations, apply Agri-Mek SC or other Group 6 miticides/insecticides using a “treatment window” approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 6 miticides/insecticides. Do not exceed the maximum Agri-Mek SC allowed per year.
- Following a treatment window of Group 6 miticides/insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 6 miticides/insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest’s ability to develop resistance to these classes of chemistry.
- If resistance is suspected, do not reapply Agri-Mek SC or other Group 6 miticides/insecticides.

### 3.1.2 OTHER INSECT RESISTANCE MANAGEMENT (IRM) PRACTICES

- Incorporating IPM techniques into your insect or mite control program.
- Monitoring treated insect or mite populations for loss of field efficacy.
- Using tank-mixtures or premixes with miticides/insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

### 3.1.3 OTHER SOURCES FOR INFORMATION ON INSECT RESISTANCE MANAGEMENT

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irac-online.org/>.

## 4.0 APPLICATION DIRECTIONS

### 4.1 Methods of Application

- Foliar applications of Agri-Mek SC are permitted by ground, by air or via chemigation as specified in **Section 7.0**, unless otherwise restricted in **Section 6.1**.
- Refer to **Section 4.5** for details of application by chemigation.

### 4.2 Application Equipment

- Spray equipment configuration should be arranged to provide accurate, uniform and thorough coverage of the target crop and minimize potential for spray drift.
- To ensure accuracy, calibrate sprayer before each use.
- For information on spray equipment and calibration, consult spray equipment manufacturers and/or state recommendations.
- All [ground/aerial/chemigation] application equipment must be properly maintained and calibrated using appropriate carriers.

### 4.3 Application Volume and Spray Coverage

See **Section 7.0** for additional application volume information.

- Thorough spray coverage is essential for good insect and mite control.
- Use sufficient water carrier to obtain thorough, uniform coverage.
- The highest labeled rate for a specified pest may be needed when aerial applications are made.

### 4.4 Mixing Directions

1. Thoroughly clean spray equipment before using this product.
2. Prepare no more spray mixture than is needed for the immediate operation.
3. Keep product container tightly closed when not in use.
4. Agitate the spray solution before and during application.
5. Do not let the spray mixture stand overnight in the spray tank.
6. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

#### 4.4.1 AGRI-MEK SC ALONE

1. Fill clean spray tank 1/4 - 1/2 full of water.
2. Add Agri-Mek SC directly to the spray tank.
3. Mix thoroughly to fully disperse the insecticide/miticide. Once dispersed, continuous agitation is required.
4. Use mechanical or hydraulic means; do not use air agitation.
5. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

#### 4.4.2 TANK-MIX PRECAUTIONS

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- The safety of all potential tank mixes on all crops may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop should be confirmed.
- Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are labeled.
- Tank mixes of Agri-Mek SC with other pesticides, fertilizers, or any other additives not specifically labelled for use with Agri-Mek SC may result in tank mix incompatibility or unsatisfactory performance. In such cases, always check tank mix compatibility by conducting a jar test according to guidance in **Section 4.4.3** before actual tank mixing.

**Agricultural products formulated with binder or sticker type components may reduce performance of Agri-Mek SC.**

#### 4.4.3 TANK-MIX COMPATIBILITY

- Conduct a jar test using a 1 pt to 1 qt container with lid by adding water or other intended carrier such a liquid fertilizer to the jar.

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- Next, add the appropriate amount of pesticides(s) or tank mix partner(s) in their relative proportions based on recommended label rates. Add tank mix components separately in the order described in the tank-mixing section, **Section 4.4.3**. After each addition, shake or stir gently to thoroughly mix.
- After all ingredients have been added, put the lid on the jar, tighten and invert the jar 10 times to mix.
- After mixing, let the mixture stand 15 – 30 minutes and then examine for signs of incompatibility such as obvious separation, large flakes, precipitates, gels or heavy oily film on the jar.
- If the mixture remains mixed or can be remixed readily, it is physically compatible and can be used.
- If the mixture is incompatible, repeat the test using a compatibility agent at the recommended rate. Or, if applicable, slurry dry formulations in water before adding to the jar. If incompatibility is still observed after following these procedures, do not use the mixture.
- After compatibility testing is complete, dispose of any pesticide wastes in accordance with the storage and disposal section, (**Section 8.0**) of this label.

#### 4.4.4 AGRI-MEK SC IN TANK MIXTURES

1. Fill the tank with  $[\frac{1}{2} - \frac{2}{3}]$  volume of the mixing diluent.
2. Start the agitator running before adding any tank-mix partners.
3. Add all products in water-soluble packaging to the tank before any other tank-mix partner. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank-mix partner to the tank.
4. In general, add tank-mix partners in this order:
  - a) products packaged in water-soluble packaging
  - b) wettable powders
  - c) wettable granules (dry flowables)
  - d) liquid flowables
  - e) liquids
  - f) emulsifiable concentrates
5. Make sure all other products are fully dispersed in the mixing diluent before adding the recommended rate of this product to the tank.
6. Add the remainder of the mixing diluent volume.
7. It is recommended that mixing and spray equipment have continuous agitation for best results.
8. Follow the precautions and limitations of the most restricted product in the tank mixture.

#### 4.4.5 SPRAY ADDITIVES

- To avoid illegal crop residues, Agri-Mek SC **must always** be mixed with a non-phytotoxic, non-ionic activator type wetting, spreading and/or penetrating spray adjuvant or horticultural oil (not a dormant oil) unless otherwise indicated in **Section 7.0**.
- Non-ionic activator type wetting, spreading and/or penetrating spray adjuvants include:
  - o Non-ionic surfactants (NIS) with at least 75% surface active agent
  - o Crop oil concentrates (COC)
  - o Vegetable oil concentrates (VOC)
  - o Methylated seed/vegetable oils (MSO)
  - o Organosilicones (OS) with at least 15% emulsifiers/surfactants
  - o Blends of these non-ionic activator type spray adjuvants.
- Spray adjuvants must be compatible with Agri-Mek SC and must be used at concentrations specified on the **spray adjuvant product label** directions for use for the targeted crop unless more specific directions are provided in **Section 7.0** for individual crops on this label.

- **Do not use binder or sticker type adjuvants because these type adjuvants may reduce translaminar movement of the active ingredient into the plant which could result in reduced performance.**
- Syngenta recommends the use of a Chemical Producers and Distributors Association (CPDA) certified spray adjuvant.

## 4.5 Application through Irrigation Systems (Chemigation)

### 4.5.1 CHEMIGATION RESTRICTIONS

- Application by sprinkler irrigation (chemigation) may only be used for onion, bulb, onion, green, and tuberous and corm (suppression of thrips).
- Sprinkler Irrigation Application Only.
- Apply Agri-Mek SC at rates and timing described elsewhere in this label. As local recommendations differ, consult your local State Extension Service or other local experts for recommendations on adjuvant or diluent types, rates, and mixing instructions. These recommendations should be proven, through university and extension field trials, to be effective with Agri-Mek SC applied by chemigation.
- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have any questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers, or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

### 4.5.2 OPERATING INSTRUCTIONS FOR CHEMIGATION

1. The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of treated water.

#### **4.5.3 SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS**

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### **4.5.4 APPLICATION DIRECTIONS FOR IRRIGATION SYSTEMS**

1. Application by sprinkler irrigation (chemigation) may be used for onion, bulb, onion, green, and tuberous and corm (suppression of thrips).
2. Apply Agri-Mek SC at rates and timing described elsewhere in this label. As local recommendations differ, consult your local State Extension Service or other local experts for recommendations on adjuvant or diluent types, rates, and mixing instructions. These recommendations should be proven, through university and extension field trials, to be effective with Agri-Mek SC applied by chemigation.
3. Check the irrigation system to insure uniform application of water to all areas. Thorough coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period.
4. Apply by injecting the recommended rate of Agri-Mek SC into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1 acre-inch of water. In general, use the least amount of water required for proper distribution and coverage. It is recommended that the product be injected into the main irrigation line ahead of a right angle turn in the line to insure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.
5. In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of Agri-Mek SC for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

## 5.0 ROTATIONAL CROP RESTRICTIONS

There are no rotational (plant-back) restrictions with **Agri-Mek SC**. Treated areas may be replanted with any crop as soon as practical following the last application.

## 6.0 RESTRICTIONS AND PRECAUTIONS

See **Section 7.0** for crop-specific restrictions and precautions.

### 6.1 Use Restrictions

- **DO NOT** treat plants grown for transplanting. Agri-Mek SC is not for use in nurseries, plant propagation houses, or greenhouses by commercial transplant producers on plants being grown for transplanting.
- **DO NOT** use on crops grown to harvest in greenhouses unless specified in the crop use section of this label.
- **DO NOT** use in residential areas or residential landscapes.
- **DO NOT** apply Agri-Mek SC with aircraft in New York State.
- Agri-Mek SC must always be used with an adjuvant. To avoid illegal crop residues, Agri-Mek SC must always be mixed with a non-phytotoxic, non-ionic activator type wetting, spreading and/or penetrating spray adjuvant or horticultural oil (not a dormant oil). Refer to **Section 4.4.5** for details.

### 6.2 Spray Drift Management

**Important:** When states have more stringent regulations, they must be observed.

#### Spray Drift

##### **Aerial Applications:**

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must not exceed 65% of the wingspan for fixed wing aircraft or 75% of the rotor diameter for helicopters. Otherwise, the boom length must not exceed 75% of the wingspan for fixed wing aircraft or 90% of the rotor diameter for helicopters.
- Applicators must use  $1/2$  swath displacement upwind at the downwind edge of the field.
- Do not apply during temperature inversions.

##### **Air Blast Applications:**

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 mph at the application site
- User must turn off outward pointing nozzles at the row end and when spraying outer row.
- Do not apply during temperature inversions.

##### **Ground Boom Applications:**

- User must only apply with the release height recommended by the manufacturer, but no more than 4 ft above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceeds 15 mph at the application site.
- Do not apply during temperature inversions.

## 6.3 Spray Drift Advisories

**THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.**

### 6.3.1 VEGETATIVE BUFFER STRIP

- Do not apply with ground application equipment within 25 ft of or with aircraft within 150 ft of lakes, reservoirs, rivers, permanent streams, marshes, pot holes, natural ponds, estuaries, or commercial fish farm ponds. Do not cultivate within 25 ft of the aquatic area to allow growth of a vegetative filter strip.

### 6.3.2 IMPORTANCE OF DROPLET SIZE

- An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.
- **Controlling Droplet Size – Ground Boom**
  - **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
  - **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
  - **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.
- **Controlling Droplet Size – Aircraft**
  - **Adjust Nozzles** - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### 6.3.3 GROUND AND AERIAL APPLICATION ADVISORIES

- **WIND** - Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.
- **TEMPERATURE AND HUMIDITY** - To compensate for evaporation when applying Agri-Mek SC in low relative humidity, set up equipment to produce larger droplets. When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation. Evaporation of droplets is most severe when conditions are both hot and dry.
- **TEMPERATURE INVERSIONS** - Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

- Do not allow this product to drift onto non-target areas. Drift may result in illegal residues or injury to non-target species. Risk of exposure to sensitive areas can be reduced by applying this product when the wind direction is away from the sensitive area.
- Do not apply when the weather conditions may cause drift.
  - o Avoid application when the temperature is high and/or the humidity is low. These conditions increase the evaporation of spray droplets and the likelihood of drift to aquatic areas.

#### 6.3.4 AERIAL APPLICATION SPRAY DRIFT ADVISORIES

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops.

- **Nozzle Direction** - Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.
- **Boom Length** - For some use patterns, reducing the effective boom length to less than 75% of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Swath Adjustment** - When applications are made with a cross wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind.
- **RELEASE HEIGHT** - Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind. Higher release heights increase the potential for spray drift.

#### 6.3.5 GROUND APPLICATION SPRAY DRIFT ADVISORIES

- Observe the following precautions when using ground application to spray tree crops or hops in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish ponds:
  - o Do not apply Agri-Mek SC when weather conditions favor drift to aquatic areas.
  - o Do not apply within 110 ft upwind of aquatic areas or when wind speed is above 8 mph.
  - o Spray last 3 rows windward of aquatic areas using nozzles on one side only, with spray directed away from the aquatic areas.
  - o Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.
- **BOOM HEIGHT** - For ground equipment, the boom should remain level with the crop and have minimal bounce.
- **SHIELDED SPRAYERS** - Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.



## 7.0 CROP USE DIRECTIONS

Choose lower rate for light infestations and the higher rate for heavy infestations.

### 7.1 Arugula

Crops (including all cultivars, varieties, and/or hybrids of these)			
Arugula			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal /A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 7 days 3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product. 4) <b>Pre-Harvest Interval (PHI):</b> 7 days			

## 7.2 Avocado

Crops (Including all cultivars, varieties, and/or hybrids of these)											
Avocado											
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions								
Avocado Thrips* ( <i>Scirtothrips perseae</i> ) Persea mite ( <i>Oligonychus perseae</i> )	2.25 - 4.25	Apply when immature thrips are first observed but before numbers exceed 5 immature thrips per leaf/fruit.  Make a second application if needed to maintain control at a minimum of 30 days after the first application.	Do not use a rate less than 2.25 fl oz/A. Adjust gallons of spray per acre based on size and number of trees per acre and density of foliage. In any case, thorough coverage is essential for good mite and insect control. Apply this product diluted in a minimum volume of 100 gal/A by ground or 50 gal/A by air. With aerial application, the resulting level and duration of control of thrips could be less than with ground application. <b>For Ground Application:</b> If spray volume is greater than 400 gal/A, apply Agri-Mek SC at a rate of 0.5 fl oz per 100 gallons. <table border="1" data-bbox="927 1052 1218 1289"> <thead> <tr> <th>*Thrips Infestation Level</th> <th>Number of immature thrips per leaf/fruit</th> </tr> </thead> <tbody> <tr> <td>Low</td> <td>1-2</td> </tr> <tr> <td>Moderate</td> <td>3-4</td> </tr> <tr> <td>Severe</td> <td>More than 5</td> </tr> </tbody> </table>	*Thrips Infestation Level	Number of immature thrips per leaf/fruit	Low	1-2	Moderate	3-4	Severe	More than 5
*Thrips Infestation Level	Number of immature thrips per leaf/fruit										
Low	1-2										
Moderate	3-4										
Severe	More than 5										
<b>Precautions:</b>											
<ul style="list-style-type: none"> <li>To prevent crop injury when using horticultural spray oil, observe all precautions and restrictions on the horticultural spray oil label. When using horticultural spray oil concentrations above 2.0%, treat a small test area before making a large-scale application.</li> </ul>											
<b>USE RESTRICTIONS</b>											
<ol style="list-style-type: none"> <li><b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li><b>Minimum Application Interval:</b> 30 days</li> <li><b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year</li> <li><b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li><b>DO NOT</b> apply more than 2 applications of Agri-Mek SC or any other foliar-applied abamectin-containing product per year.</li> <li><b>DO NOT</b> allow livestock to graze in treated orchards.</li> <li><b>Pre-Harvest Interval (PHI):</b> 14 days</li> </ol>											

### 7.3 Caneberry, Crop Subgroup 13-07A

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Blackberry Loganberry	Raspberry, black and red	Wild raspberry	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Spider mites	1.75 - 3.5	Apply when mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
Broad mite	3.5		
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> apply more than 2 sequential applications of Agri-Mek SC or any other foliar-applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> apply from onset of flowering until petal fall is complete.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.4 Celeriac

Crops (including all cultivars, varieties, and/or hybrids of these)			
Celeriac ( <i>Apium graveolens</i> )			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	3.5	Apply when mites first appear and repeat if necessary to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate crop coverage can result in reduced control. Apply this product diluted in a minimum volume of 20 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate (After Transplanting Celeriac):</b> 10.25 fl oz Agri-Mek SC/A/ calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.5 Celtuce

Crops (including all cultivars, varieties, and/or hybrids of these)			
Celtuce			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.6 Citrus Fruit, Crop Group 10-10

Crops (Including cultivars, varieties, and/or hybrids of these)			
Australian desert lime	Lemon	Satsuma mandarin	
Australian finger lime	Lime	Sweet lime	
Australian round lime	Mediterranean mandarin	Tachibana orange	
Brown River finger lime	Mount White lime	Tahiti lime	
	New Guinea wild lime	Tangelo	
Calamondin	Orange, sour	Tangerine (mandarin)	
Citron	Orange, sweet	Tangor	
Citrus hybrids	Pummelo	Trifoliolate orange	
Grapefruit	Russell River lime	Uniq fruit	
Japanese summer grapefruit			
Kumquat			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Citrus leafminer Citrus rust mite	1.0 - 4.25	For <b>Asian citrus psyllid</b> control, apply to protect newly expanding foliage flush during the spring, summer or fall.	Aerial application is permitted <b>only</b> for control of <b>citrus leafminer</b> and <b>Asian citrus psyllid</b> . For all other pests, apply only by ground application.
Asian citrus psyllid Broad mite Citrus bud mite Citrus thrips Twospotted spider mite	2.25 - 4.25	For <b>broad mite</b> control, apply when mites first appear during spring, summer, or fall. For <b>citrus bud mite</b> control, time the spray at "bud swell" for best results. For <b>citrus leafminer</b> control, apply to protect new growth during spring, summer, or fall. For <b>citrus thrips</b> control, application will only control the current generation and <b>must</b> be correctly timed. Apply when economic thresholds have been reached (after egg hatch has begun – preferably early to mid-hatch).	Apply this product diluted in a minimum volume of 25 gal/A by ground or 10 galA by air. With aerial application, the resulting level and duration of control of <b>Asian citrus psyllid</b> and <b>citrus leafminer</b> could be reduced compared to ground application. When applying by air, use the higher end of the rate range (3.75 – 4.25 fl oz/A). Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

continued...

## 7.6 Citrus Fruit, Crop Group 10-10 (continued)

USE RESTRICTIONS
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 30 days</li> <li>3) <b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> </ol> </li> <li>4) <b>DO NOT</b> make more than 3 applications of Agri-Mek SC or any other foliar-applied abamectin-containing product per year.</li> <li>5) <b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li>6) <b>DO NOT</b> apply by air except to control citrus leafminer and Asian citrus psyllid.</li> <li>7) <b>DO NOT</b> allow livestock to graze in treated citrus groves.</li> <li>8) <b>DO NOT</b> use in citrus nurseries.</li> <li>9) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>

## 7.7 Corn (sweet)

Crops (Including cultivars, varieties, and/or hybrids of these)			
Sweet Corn			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Spider mites (Tetranychid species including Banks Grass Mite)	1.75 - 3.5	Apply when spider mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. With aerial application, the resulting control of spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.0 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.038 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any foliar-applied abamectin-containing products.</li> </ol> </li> <li>4) <b>Pre-Harvest Interval (PHI):</b> 7 days (forage, ears or stover)</li> </ol>			

## 7.8 Cotton

Crops (including all cultivars, varieties, and/or hybrids)			
Cotton			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite Pacific spider mite Strawberry spider mite Twospotted spider mite	1.0 - 1.25 Early-Season Cotton	Apply when mites first appear. Repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 5 gal/A by ground or air. With aerial application, spray coverage and the resulting level and duration of control of mites may be less than with ground application. <b>West of the Rocky Mountains</b> - the lower use rates may only be used on cotton less than 10 inches in height and applied only with ground equipment.
	1.75 - 3.5		
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 21 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.0 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.038 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> </ol> </li> <li>4) <b>DO NOT</b> feed or allow livestock to graze treated cotton.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 20 days</li> </ol>			



## 7.9 Cress, Garden & Upland

Crops (including all cultivars, varieties, and/or hybrids of these)			
Cress, garden Cress, upland			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite Liriomyza leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 /A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 7 days 3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product. 4) <b>Pre-Harvest Interval (PHI):</b> 7 days			

## 7.10 Cucurbit Vegetables, Crop Group 9

Crops (including all cultivars, varieties, and/or hybrids of these)			
Chayote (fruit)	<b>Muskmelon</b> ( <i>Cucumis melo</i> )	Pumpkin	
Chinese waxgourd	Cantaloupe	<b>Squash, summer</b>	
(Chinese preserving melon)	Casaba	Crookneck squash	
Citron melon	Crenshaw melon	Scallop squash	
Cucumber	Golden pershaw melon	Straightneck squash	
Gherkin	Honeydew melon	Vegetable marrow	
<b>Gourd, edible</b>	Honey balls	Zucchini	
Hyotan	Mango melon	<b>Squash, winter</b>	
Cucuzza	Persian melon	Acorn squash	
Hechima	Pineapple melon	Butternut squash	
Chinese okra	Santa Claus melon	Calabaza	
<b>Momordica spp.</b>	Snake melon	Hubbard squash	
Balsam apple	True cantaloupe	Spaghetti squash	
Balsam pear		Watermelon ( <i>Citrullus lanatus</i> )	
Bitter melon			
Chinese cucumber			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Spider mites	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application, if needed to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

continued...

**7.10 Cucurbit Vegetables, Crop Group 9 (continued)**

USE RESTRICTIONS
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 7 days 3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product. 4) <b>Pre-Harvest Interval (PHI):</b> 7 days

**7.11 Dried Shelled Pea and Bean (except Soybean) Crop Subgroup 6C**

Crops (including all dried cultivars, varieties, and/or hybrids of these)			
Broad bean (dry)	<b>Phaseolus spp.</b>	<b>Vigna spp.</b>	
Chickpea	Field bean	Adzuki bean	
Guar	Kidney bean	Blackeyed pea	
Lablab bean	Lima bean (dry)	Catjang	
(hyacinth bean)	Navy bean	Cowpea	
Lentil	Pinto bean	Crowder pea	
	Tepary bean	Moth bean	
<b>Lupinus spp.</b>		Mung bean	
Grain lupin	Pigeon pea	Rice bean	
Sweet lupin		Southern pea	
White lupin	<b>Pisum spp.</b>	Urd bean	
White sweet lupin	Field pea		

Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Spider Mites	1.75 - 3.5	Apply when adult leafminer flies or spider mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

USE RESTRICTIONS
<p>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</p> <p>2) <b>Minimum Application Interval:</b> 6 days</p> <p>3) <b>Maximum Annual Rate:</b> 10.5 fl oz Agri-Mek SC/A/calendar year</p> <p style="margin-left: 20px;">a. <b>DO NOT</b> exceed 0.057 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</p> <p style="margin-left: 20px;">b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</p> <p>4) <b>DO NOT</b> allow livestock to graze pea or bean forage.</p> <p>5) <b>DO NOT</b> harvest pea or bean forage or hay for use as livestock feed. For use on cowpeas that are grown only for dry seed.</p> <p>6) <b>Pre-Harvest Interval (PHI):</b> 7 days</p>

### 7.12 Edible-Podded Legume Vegetables Crop Subgroup 6A

Crops (including all cultivars, varieties, and/or hybrids of these)			
Jackbean <b>Phaseolus spp.</b> Runner bean Snap bean Waxbean	<b>Pisum spp.</b> Dwarf pea Edible-podded pea Snow pea Sugar snap pea Pigeon pea Soybean (immature seed)	Sword bean <b>Vigna spp.</b> Asparagus bean Chinese longbean Moth bean Yardlong bean	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Spider Mites	1.75 - 3.5	Apply when adult leafminer flies or spider mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.

*continued...*

**7.12 Edible-Podded Legume Vegetables Crop Subgroup 6A (continued)**

USE RESTRICTIONS
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 6 days 3) <b>Maximum Annual Rate:</b> 10.5 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.057 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product. 4) <b>DO NOT</b> allow livestock to graze pea or bean forage. 5) <b>DO NOT</b> harvest pea or bean forage or hay for use as livestock feed. 6) <b>Pre-Harvest Interval (PHI):</b> 7 days

**7.13 Fennel, Florence**

Crops (including all cultivars, varieties, and/or hybrids of these)			
Fennel, Florence			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 7 days 3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product. 4) <b>Pre-Harvest Interval (PHI):</b> 7 days			

## 7.14 Fruiting Vegetables, Crop Group 8-10

Crops (including all cultivars, varieties, and/or hybrids of these)			
African eggplant	Goji berry	Nonbell pepper	
Bush tomato	Groundcherry	Roselle	
Bell pepper	Martynia	Scarlet eggplant	
Cocona	Naranjilla	Sunberry	
Currant tomato	Okra	Tomatillo	
Eggplant	Pea eggplant	Tomato	
Garden huckleberry	Pepino	Tree tomato	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Broad mite Colorado potato beetle <i>Liriomyza</i> leafminers Spider mites <i>Thrips palmi</i> Tomato psyllid Tomato russet mite	1.75 - 3.5	For <b>broad, russet and spider mite</b> control, apply when mites first appear.  For <b><i>Thrips palmi</i></b> control, apply when thrips first appear.  For <b>tomato pinworm</b> control, application can be made from the time moth activity is detected up to, but no later than, the time when newly emerged larvae are present.	<p><b>All crops except commercially grown greenhouse tomato:</b> Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.</p> <p><b>Commercially grown greenhouse tomato only:</b> Apply by ground only. Thorough coverage is essential for optimum results. Select a spray volume appropriate for the size of plants and density of foliage, but apply this product diluted in a minimum volume of 20 gal/A. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.</p>
Tomato pinworm	3.5		
<b>Commercially grown greenhouse tomato only:</b> <i>Liriomyza</i> leafminers Spider mites <i>Thrips palmi</i> Tomato psyllid Tomato russet mite	1.75 - 3.5		
<b>Commercially grown greenhouse tomato only:</b> Tomato pinworm	3.5	For <b>thrips</b> , if populations are above threshold, use an effective thrips knockdown product before spraying Agri-Mek SC.	

continued...

**7.14 Fruiting Vegetables, Crop Group 8-10 (continued)**

USE RESTRICTIONS
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) Not for use on commercially grown greenhouse tomatoes in New York State.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> <ol style="list-style-type: none"> <li>a. <b>Commercially grown greenhouse tomatoes:</b> 1 day</li> <li>b. <b>All other crops:</b> 7 days</li> </ol> </li> </ol>

**7.15 Grapes and Small Fruit Climbing Subgroup (Except Fuzzy Kiwifruit), Crop Subgroup 13-07F**

Crops (including all cultivars, varieties, and/or hybrids of these)			
Amur River Grape	Grape	Maypop	
Gooseberry	Kiwifruit, hardy	Schisandra Berry	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Pacific spider mite Twospotted spider mite Variegated leafhopper Western grape leafhopper Western grapeleaf skeletonizer Willamette spider mite	1.75 - 3.5	<b>Spider mites:</b> Apply when mites first appear but before motiles exceed 5 per leaf. <b>Western grapeleaf skeletonizer:</b> Apply when larvae are first observed. For optimum control, apply shortly after egg hatch. <b>Leafhoppers:</b> Agri-Mek SC provides contact knock-down only.	Thorough coverage is essential for spider mite and insect control. Agri-Mek SC must be applied to both sides of each row for maximum coverage. Do not spray alternate rows. Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. Less than 50 gal/A can be used with an electro-static sprayer; however do not use less than 5 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 21 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.0 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.038 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>DO NOT</b> allow livestock to graze in treated vineyards.</li> <li>6) <b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li>7) <b>Pre-Harvest Interval (PHI):</b> 28 days</li> </ol>			

## 7.16 Guava

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Acerola	Jaboticaba	Starfruit	
Feijoa	Passionfruit	Wax Jambu	
Guava			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	2.25 – 4.25	Apply when mites first appear during spring, summer, and/or fall.	Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. Less than 50 gal/A can be used with an electro-static sprayer; however do not use less than 5 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 14 days</li> <li>3) <b>Maximum Annual Rate:</b> 12.75 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.07 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 3 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			



## 7.17 Herb, Crop Subgroup 19A

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Angelica	Coriander (leaf)	Lovage (leaf)	Rue
Balm	Cilantro,	Marigold	Sage
Basil	Chinese	Marjoram	Summer savory
Borage	parsley	( <i>Origanum</i> species)	Winter savory
Burnet	Costmary	sweet or annual	Sweet bay
Camomile	Culantro (leaf)	wild or oregano	Tansy
Catnip	Curry (leaf)	pot	Tarragon
Chervil (dried)	Dill weed	Nasturtium	Thyme
Chives	Horehound	Parsley (dried)	Wintergreen
Chives (Chinese)	Hyssop	Pennyroyal	Woodruff
Clary	Lavender	Rosemary	Wormwood
	Lemongrass		
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Spider Mites	1.75 - 3.5	Apply when adult leafminer flies or spider mites are first observed and repeat application if necessary to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A with conventional ground application equipment.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per single harvest and cutting.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li>6) <b>Pre-Harvest Interval (PHI):</b> <ol style="list-style-type: none"> <li>a. <b>Chives:</b> 7 days</li> <li>b. <b>All other:</b> 14 days</li> </ol> </li> </ol>			

## 7.18 Hops

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Hops			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	1.75 - 3.5	Apply Agri-Mek SC when twospotted spider mites reach treatment thresholds.	Thorough coverage of the upper and lower leaves is essential for optimum results. Inadequate coverage can result in reduced control. For applications at <sup>1</sup> / <sub>2</sub> trellis growth (6-8 ft height), apply 1.75-3.5 fl oz/A diluted in a minimum of 40 gal /A. For applications beyond <sup>1</sup> / <sub>2</sub> trellis growth, apply 3.5 fl oz/ gal/A diluted in a minimum of 100 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 21 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.0 fl oz Agri-Mek SC/A/ calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.038 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> allow livestock to graze in treated hops yards.</li> <li>5) <b>DO NOT</b> apply by air.</li> <li>6) <b>DO NOT</b> apply to hops in California.</li> <li>7) <b>Pre-Harvest Interval (PHI):</b> 28 days</li> </ol>			

### 7.19 Leaf Petiole Vegetables, Crop Subgroup 22B

Crops (including all cultivars, varieties, and/or hybrids of these)			
Cardoon	Fuki	Udo	
Celery	Rhubarb	Zuiki	
Celery, Chinese			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.20 Leafy Greens, Crop Subgroup 4-16A

Crops (including all cultivars, varieties, and/or hybrids of these)			
Amaranth, Chinese spinach	Dang-gwi, leaves	Lettuce, leaf	
Amaranth, leafy	Dillweed	Orach	
Aster, Indian	Dock	Parsley, fresh leaves	
Blackjack	Dol-nam-mul	Plantain, buckhorn	
Cat's whiskers	Ebolo	Primrose, English	
Cham-chwi	Endive	Purslane, garden	
Cham-na-mul	Escarole	Purslane, winter	
Chervil, fresh leaves	Fameflower	Radicchio	
Chipilin	Feather cockscomb	Spinach	
Chrysanthemum, garland	Good king henry	Spinach, Malabar	
Cilantro, fresh leaves	Huauzontle	Spinach, New Zealand	
Corn salad	Jute, leaves	Spinach, tanier	
Cosmos	Lettuce, bitter	Swiss chard	
Dandelion, leaves	Lettuce, head	Violet, Chinese, leaves	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite <i>Liriomyza</i> leafminers Twospotted spider mite	1.75 - 3.5	Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.21 Low Growing Berry, Crop Subgroup 13-07G

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Bearberry	Cloudberry	Muntries	
Bilberry	Cranberry	Partridgeberry	
Blueberry, lowbush	Lingonberry	Strawberry	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Carmine spider mite Strawberry spider mite Twospotted spider mite  <b>Suppression:</b> Cyclamen mite	3.5	Make 2 applications 7-10 days apart when mites first appear. Repeat this application sequence, if needed, to maintain control.	Thorough coverage of the upper and lower leaves is essential for optimum results. Inadequate coverage can result in reduced control. Adjust spray volume and nozzle placement to ensure maximum coverage of tops and undersides of leaves. Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer do not use in less than 10 gal/A. <b>Cyclamen mite:</b> Apply in sufficient water to obtain good coverage into the crown of the plant.
USE RESTRICTIONS			
1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A) 2) <b>Minimum Application Interval:</b> 21 days after second application 3) <b>Maximum Annual Rate:</b> 14 fl oz Agri-Mek SC/A/calendar year a. <b>DO NOT</b> exceed 0.076 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). 4) <b>DO NOT</b> apply by air. 5) <b>DO NOT</b> use in strawberry nurseries. 6) <b>Pre-Harvest Interval (PHI):</b> 3 days			

## 7.22 Mint

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Peppermint		Spearmint	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	1.75 - 2.5	Treat when spider mites first appear.	<p>Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.</p> <p>Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application, the resulting level and duration of control of spider mites could be less than with ground application.</p> <p>Under conditions such as high pest populations, dense foliage, or adverse application conditions such as high temperatures, use a greater volume of water to ensure adequate coverage.</p>
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 2.5 fl oz Agri-Mek SC/A (0.014 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.75 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.042 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliar-applied abamectin-containing product.</li> <li>c. <b>DO NOT</b> apply more than 3 applications of Agri-Mek SC or any other foliar-applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> allow livestock to graze or feed treated foliage to livestock.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 28 days</li> </ol>			

### 7.23 Onion, Bulb, Crop Subgroup 3-07A

Crops (including all cultivars, varieties, and/or hybrids of these)			
Daylily, bulb	Lily, bulb	Onion, pearl	
Garlic, bulb	Onion, bulb	Onion, potato, bulb	
Garlic, great-headed, bulb	Onion, Chinese, bulb	Shallot, bulb	
Garlic, serpent, bulb			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Thrips	1.75 - 3.5	For <b>leafminer</b> control, apply when adult leafminer flies are first observed and repeat application as needed. For <b>thrips</b> control, apply when thrips are at economic threshold. Repeat application, if needed, to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application and chemigation ( <b>Section 4.5</b> ), the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. Agri-Mek SC may be applied through overhead sprinkler chemigation ( <b>Section 4.5</b> ) for suppression of thrips.
<b>Resistance Management:</b>			
<ul style="list-style-type: none"> <li>• Make 2 consecutive applications of Agri-Mek SC, then rotate to a chemistry with a different mode of action.</li> <li>• Make at least 2 applications of a chemistry with a different mode of action before making additional Agri-Mek SC applications.</li> </ul>			
<b>Precaution:</b>			
<ul style="list-style-type: none"> <li>• Insect control can be reduced if Agri-Mek SC is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.</li> </ul>			
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.25 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliar-applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> use Agri-Mek SC as a rescue treatment for thrips control.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 30 days</li> </ol>			

## 7.24 Onion, Green, Crop Subgroup 3-07B

Crops (including all cultivars, varieties, and/or hybrids of these)			
Chive, fresh leaves	Lady's leek	Onion, green	
Chive, Chinese, fresh leaves	Leek	Onion, macrostem	
Elegans hosta	Leek, wild	Onion, tree, tops	
Fritillaria, leaves	Onion, Beltsville bunching	Onion, Welsh, tops	
Kurrat	Onion, fresh	Shallot, fresh leaves	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Thrips	1.75 - 3.5	For <b>leafminer</b> control, apply when adult leafminer flies are first observed and repeat application if needed. For <b>thrips</b> control, apply as part of a thrips management program. Begin making applications when populations are low (1-3 thrips/plant). Repeat application if needed. If populations are high, use an effective thrips knockdown product before spraying Agri-Mek SC.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application and chemigation ( <b>Section 4.5</b> ), the resulting level and duration of control could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. Agri-Mek SC may be applied through overhead sprinkler chemigation ( <b>Section 4.5</b> ) for suppression of thrips.
<b>Resistance Management:</b>			
<ul style="list-style-type: none"> <li>• Make 2 consecutive applications of Agri-Mek SC then rotate to a chemistry with a different mode of action.</li> <li>• Make at least 2 applications of a chemistry with a different mode of action before making additional Agri-Mek SC applications.</li> </ul>			
<b>Precaution:</b>			
<ul style="list-style-type: none"> <li>• Insect control can be reduced if Agri-Mek SC is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.</li> </ul>			
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 14 fl oz Agri-Mek SC/A/calendar year <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.076 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air in New York State and California.</li> <li>5) <b>DO NOT</b> use Agri-Mek SC as a rescue treatment for thrips control.</li> <li>6) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			



## 7.25 Papaya

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Black sapote Canistel	Mamey sapote Papaya	Star apple Sapodilla	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	2.25 - 4.25	For mite control, apply when mites first appear during spring, summer, and/or fall.	Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 14 days</li> <li>3) <b>Maximum Annual Rate:</b> 12.75 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.070 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 3 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply to mango.</li> <li>5) <b>DO NOT</b> apply by air.</li> <li>6) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

## 7.26 Pineapple

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Pineapple			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite	2.25 - 4.25	Apply when spider mites are first observed.	Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>Pre-Harvest Interval (PHI):</b> 16 weeks</li> </ol>			

## 7.27 Pome Fruit, Crop Group 11-10

Crops (including all cultivars, varieties, and/or hybrids of these)			
Apple	Mayhaw	Quince	
Azarole	Medlar	Quince, Chinese	
Crabapple	Pear	Quince, Japanese	
Loquat	Pear, Asian	Tejocote	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
European red mite McDaniel spider mite Pear psylla Pear rust mite Twospotted spider mite Yellow mite Tentiform leafminer White apple leafhopper	2.25 - 4.25	Apply when spider mite or insect thresholds are reached. Make a second application, if needed, to maintain control.	Thorough coverage is essential to obtain best results. Select a spray volume appropriate for the size of trees and density of foliage. Apply this product diluted in a minimum volume of 40 gal/A.
<b>Precaution:</b>			
<ul style="list-style-type: none"> <li>Applying the combination of Agri-Mek SC and horticultural spray oil fewer than 14 days before or after applying Captan® or other sulfur-containing products can result in phytotoxicity and crop loss.</li> </ul>			
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li><b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li><b>Minimum Application Interval:</b> 21 days</li> <li><b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li><b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li><b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li><b>DO NOT</b> apply by air.</li> <li><b>DO NOT</b> allow livestock to graze in treated orchards.</li> <li><b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li><b>Pre-Harvest Interval (PHI):</b> 28 days</li> </ol>			

## 7.28 Soybean

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Soybeans			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Spider Mites (Tetranychid species)	1.75 - 3.5	Apply when spider mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. With aerial application, the resulting control of spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 7 days</li> <li>3) <b>Maximum Annual Rate:</b> 7.0 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.038 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> allow livestock to graze in treated areas or harvest treated soybean forage, straw or hay as feed for meat or dairy animals.</li> <li>5) <b>DO NOT</b> feed treated soybean fodder or silage to meat or dairy animals.</li> <li>6) <b>Pre-Harvest Interval (PHI):</b> 28 days</li> </ol>			

## 7.29 Stone Fruit, Crop Group 12-12

Crops (including all cultivars, varieties, and/or hybrids of these)			
Apricot	Jujube, Chinese	Plum, cherry	
Apricot, Japanese	Nectarine	Plum, Chickasaw	
Capulin	Peach	Plum, Damson	
Cherry, black	Plum	Plum, Japanese	
Cherry, Nanking	Plum, American	Plum, Klamath	
Cherry, sweet	Plum, beach	Plum, Prune (fresh)	
Cherry, tart	Plum, Canada	Plumcot	
		Sloe	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
European red mite Pacific spider mite Twospotted spider mite	2.25 - 4.25	Apply when spider mites first appear. Make a second application, if needed, to maintain control.	Select a spray volume appropriate for the size and number of trees and density of foliage to ensure thorough coverage. Apply this product diluted in a minimum volume of 40 gal of carrier/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 21 days</li> <li>3) <b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>DO NOT</b> allow livestock to graze in treated orchards.</li> <li>6) <b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li>7) <b>Pre-Harvest Interval (PHI):</b> 21 days</li> </ol>			

### 7.30 Succulent Shelled Pea & Bean Crop Subgroup 6B (except cowpea)

Crops (including all cultivars, varieties, and/or hybrids of these)			
<i>Phaseolus</i> spp. Lima bean (green)  Broad bean (succulent)	<i>Vigna</i> spp. Blackeyed pea Southern pea	<i>Pisum</i> spp. English pea Garden pea Green pea Pigeon pea	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
<i>Liriomyza</i> leafminers Spider Mites	1.75 - 3.5	Apply when adult leafminer flies or spider mites are first observed and repeat application, if needed, to maintain control.	Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 6 days</li> <li>3) <b>Maximum Annual Rate:</b> 10.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.057 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.</li> </ol> </li> <li>4) <b>DO NOT</b> allow livestock to graze pea or bean forage.</li> <li>5) <b>DO NOT</b> harvest pea or bean forage or hay for use as livestock feed.</li> <li>6) <b>Pre-Harvest Interval (PHI):</b> 7 days</li> </ol>			

### 7.31 Tree Nuts, Crop Group 14-12

Crops (including all cultivars, varieties, and/or hybrids of these)			
African nut-tree	Coconut	Okari nut	
Almond	Coquito nut	Pachira nut	
Beech nut	Dika nut	Peach palm nut	
Brazil nut	Ginkgo	Pecan	
Brazilian pine	Guiana chestnut	Pequi	
Bunya	Hazelnut (filbert)	Pili nut	
Bur oak	Heartnut	Pine nut	
Butternut	Hickory nut	Pistachio	
Cajou nut	Japanese horse-chestnut	Sapucaia nut	
Candlenut	Macadamia nut	Tropical almond	
Cashew	Mongongo nut	Walnut, black	
Chestnut	Monkey-pot	Walnut, English	
Chinquapin	Monkey puzzle nut	Yellowhorn	
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
European red mite Pacific spider mite Strawberry spider mite Twospotted spider mite	2.25 - 4.25	For spider mite control, apply when spider mites first appear. Residual spider mite control is greater from spray deposits on newer leaves compared to older leaves. Make a second application, if needed, to maintain control.	Adjust gallons of spray per acre based on size and number of trees per acre and density of foliage. Thorough coverage is essential for good spider mite and insect control. Apply this product diluted in a minimum volume of 40 gal/A.
USE RESTRICTIONS			
<ol style="list-style-type: none"> <li>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</li> <li>2) <b>Minimum Application Interval:</b> 21 days</li> <li>3) <b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year               <ol style="list-style-type: none"> <li>a. <b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</li> <li>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</li> </ol> </li> <li>4) <b>DO NOT</b> apply by air.</li> <li>5) <b>DO NOT</b> allow livestock to graze in treated groves/orchards.</li> <li>6) <b>DO NOT</b> apply from onset of flowering until after petal fall is complete.</li> <li>7) <b>Pre-Harvest Interval (PHI):</b> 21 days</li> </ol>			

**7.32 Tropical and Subtropical, Small Fruit, Inedible Peel, Crop Subgroup 24A**

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Aisen	Madras-thorn	Satinleaf	
Bael fruit	Mandrero	Sierra-Leone-tamarind	
Burmese grape	Matisia	Spanish lime	
Cat's eyes	Mesquite	Velvet tamarind	
Inga	Mongongo, fruit	Wampi	
Longan	Pawpaw, small-flower	White apple star	
Lychee			
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Twospotted spider mite Liriomyza leafminers Thrips	2.25 - 4.25	<p><b>Mites:</b> Apply when mites first appear during spring, summer, and/or fall.</p> <p><b>Leafminers:</b> Apply to protect new growth during spring, summer, or fall.</p> <p><b>Thrips:</b> Applications targeted for thrips will only control the current generation and must be correctly timed. Apply when economic thresholds have been reached (after egg hatch has begun – preferably early to mid-hatch).</p>	<p>Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electrostatic sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.</p>
USE RESTRICTIONS			
<p>1) <b>Maximum Single Application Rate:</b> 4.25 fl oz Agri-Mek SC/A (0.023 lb ai/A)</p> <p>2) <b>Minimum Application Interval:</b> 30 days</p> <p>3) <b>Maximum Annual Rate:</b> 8.5 fl oz Agri-Mek SC/A/calendar year</p> <p>a. <b>DO NOT</b> exceed 0.046 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).</p> <p>b. <b>DO NOT</b> make more than 2 applications of Agri-Mek SC or any other foliarly applied abamectin-containing product per year.</p> <p>4) <b>DO NOT</b> apply by air.</p> <p>5) <b>Pre-Harvest Interval (PHI):</b> 14 days</p>			



### 7.33 Tuberous and Corm Vegetables, Crop Subgroup 1C

Crops (including all cultivars, varieties, and/or hybrids of these)			
Arracacha	Chayote (root)	Sweet potato	
Arrowroot	Chufa	Tanier	
Artichoke, Chinese	Dasheen	Turmeric	
Artichoke, Jerusalem	Ginger	Yam bean	
Canna, edible	Leren	Yam, true	
Cassava, bitter and sweet	Potato		
Target Pest	Rate (fl oz/A)	Application Timing	Use Directions
Colorado potato beetle <i>Liriomyza</i> leafminers Potato psyllid Spider mites	1.75 - 3.5	For <b>Colorado potato beetle</b> control, make the first application after approximately 50% of the egg masses have hatched and early instar larvae are present. If two applications are needed, limit them to a single Colorado potato beetle generation per crop.	Thorough coverage of the crop canopy is essential for optimum results.
<b>Suppression:</b> Thrips	3.5	For <b><i>Liriomyza</i> leafminer</b> control, make the first application when adult flies are first observed. Repeat applications as needed to maintain control. For <b>spider mite</b> control, make the first application when mites first appear. Repeat application as needed to maintain control. For <b>Thrips</b> suppression, apply in a thrips management program and when thrips are at economic threshold. Repeat application as needed to maintain control.	Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. With aerial application and chemigation ( <b>Section 4.5</b> ), the resulting level and duration of control of insects and spider mites could be less than with ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. May be applied through overhead sprinkler chemigation ( <b>Section 4.5</b> ) for suppression of thrips.

continued...

**Resistance Management:**

- **Colorado Potato Beetle:**

- o Application(s) to the following generation of Colorado potato beetle must be with an effective product with a different mode of action.

**Precaution:**

- Insect control can be reduced if Agri-Mek SC is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.

**USE RESTRICTIONS**

- 1) **Maximum Single Application Rate:** 3.5 fl oz Agri-Mek SC/A (0.019 lb ai/A)
- 2) **Minimum Application Interval:** 7 days
- 3) **Maximum Annual Rate:** 10.25 fl oz Agri-Mek SC/A/calendar year
  - a. **DO NOT** exceed 0.056 lb ai/A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - b. **DO NOT** make more than 2 sequential applications of Agri-Mek SC or any other foliarly applied abamectin-containing product.
- 4) **DO NOT** feed or allow livestock to graze treated foliage.
- 5) **DO NOT** apply Agri-Mek SC more than twice to a generation of Colorado potato beetle or within any 30-day period
- 6) **DO NOT** use Agri-Mek SC as a rescue treatment for thrips control.
- 7) **DO NOT** apply by air in New York State.
- 8) **Pre-Harvest Interval (PHI):** 14 days

## 8.0 STORAGE AND DISPOSAL

### STORAGE AND DISPOSAL

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

#### **Pesticide Storage**

Store in a tightly closed container in a cool, dry place.

#### **Pesticide Disposal**

Pesticide waste may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

#### **Container Handling [less than or equal to 5 gallons]**

**Non-refillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### **Container Handling [greater than 5 gallons]**

**Non-refillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### **Container Handling [greater than 5 gallons]**

**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

## **9.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.



The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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For non-emergency (e.g. current product information) call  
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

**SCP 1351A-L1L 0120  
4117960**

**RESTRICTED USE  
PESTICIDE**

DUE TO TOXICITY TO NON-TARGET  
INVERTEBRATES, MAMMALS, AND  
AQUATIC ORGANISMS

FOR RETAIL SALE TO AND USE ONLY  
BY CERTIFIED APPLICATORS OR  
PERSONS UNDER THEIR DIRECT  
SUPERVISION, AND ONLY FOR THOSE  
USES COVERED BY THE CERTIFIED  
APPLICATOR'S CERTIFICATION.

ABAMECTIN GROUP 6 INSECTICIDE

 **Agri-Mek<sup>®</sup> SC**  
Miticide/Insecticide

**syngenta**<sup>®</sup>

<i>Active Ingredient:</i>	
Abamectin <sup>1</sup> : . . . . .	8.0%*
<hr/>	
<i>Other Ingredients:</i>	92.0%
<hr/>	
<i>Total:</i>	100.0%

<sup>1</sup>CAS No. 71751-41-2

\*Agri-Mek<sup>®</sup> SC Miticide/Insecticide is formulated as a suspension concentrate and contains 0.7 lb abamectin per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1351

EPA Est. 100-NE-001

SCP 1351A-L2F 0120

4117958

**1 quart (32 fluid ounces)**

Net Contents



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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals:** May be fatal if swallowed. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

**FIRST AID: If swallowed:** Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for 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 center or doctor for treatment advice. **NOTE TO PHYSICIAN:** Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (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 parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements. In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin 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 abamectin exposure. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**HOT LINE NUMBER:** For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident), Call 1-800-888-8372.

**Refer to booklet for PPE.**

**Environmental Hazards:** This pesticide is toxic to fish and wildlife. For terrestrial uses: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a tightly closed container in a cool, dry place. **Pesticide Disposal:** Pesticide waste may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

#### Container Handling

**Non-refillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

Manufactured for: Syngenta Crop Protection, LLC  
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