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**SUPPLEMENTAL LABEL**

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**Syngenta Crop Protection, Inc.**  
P.O. Box 18300  
Greensboro, NC 27419-8300

**RESTRICTED USE PESTICIDE**  
TOXIC TO FISH, 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.

**Agri-Mek® 0.15 EC Miticide/Insecticide**

**EPA Reg. No. 100-898**

**SUPPLEMENTAL DIRECTIONS FOR USE for:**

- **Revised Spray Drift Directions**
- **Addition of Aerial Application to the Citrus Fruit Crop Group**
- **Addition of Pests to Fruiting Vegetables Crop Group, Grapes, and Potatoes**

Active Ingredient:

Abamectin<sup>1</sup> .....2.0%\*

Other Ingredients: .....98.0%

Total: .....100.0%

<sup>1</sup>CAS No. 65195-56-4 and No. 65195-55-3

\*1 gal. contains 0.15 lb. abamectin

**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.)

**SCP 898A-S8 1208**

**All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.**

Before using Agri-Mek® 0.15 EC Miticide/Insecticide as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## **DIRECTIONS FOR USE**

### **SPRAY DRIFT**

#### **Responsibility**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions.

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

#### **Spray Drift Precautions for Application with Aircraft or Ground Application Equipment**

- Apply Agri-Mek 0.15 EC only when wind velocity favors on target product deposition (approximately 3 to 10 mph).
- 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.
- Do not allow this product to drift onto non-target areas. Drift may result in illegal residues or injury to nontarget 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.
- 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.
- Do not apply when wind speed or wind gusts are greater than 15 mph.
- Do not apply when wind speed is below 2 mph because wind direction will vary and there is a high potential for inversion.

- 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:
  - Do not apply Agri-Mek 0.15 EC when weather conditions favor drift to aquatic areas
  - Do not apply within 110 ft. upwind of aquatic areas or when wind speed is above 8 mph.
  - Spray last 3 rows windward of aquatic areas using nozzles on one side only, with spray directed away from the aquatic areas.
  - 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.

### **Spray Drift Precautions for Aerial Application**

#### **Drift Management Requirements**

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

##### **• Outermost Nozzle Distance**

The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

##### **• Nozzle Direction**

Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

##### **• Maximum Wind Speed**

Do not apply when wind speed is greater than 15 mph.

##### **• Droplet Size**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity, and Temperature Inversions**).

- **Controlling Droplet Size**

- Volume**

- Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

- Pressure**

- Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

- Number of Nozzles**

- Use the minimum number of nozzles that provide uniform coverage.

- 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.

- 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 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

- **Application Height**

Applications should not be made at a height greater than 10 ft. above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

- **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.

- **Wind**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential.

**NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

- **Temperature and Humidity**

To compensate for evaporation when applying Agri-Mek 0.15 EC in low relative humidity, set up equipment to produce larger droplets. Evaporation of droplets is most severe when conditions are both hot and dry.

- **Temperature Inversions**

Agri-Mek 0.15 EC must not be applied during a temperature inversion because the potential for drift is high. Temperature inversions restrict vertical air mixing, and this causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds that are common during inversions. Temperature inversions are characterized by temperatures that increase with altitude and are common on nights with limited cloud cover and light to no wind. Inversions begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, the movement of smoke from a ground source or an aircraft smoke generator can also identify inversions. 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.

## **CROP USE DIRECTIONS**

### **Citrus Fruit Crop Group**

**Crops in this group are: Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Sour orange, Sweet orange, Pummelo, and Satsuma mandarin.**

**For control of Asian citrus psyllid, Broad mite, Citrus bud mite, Citrus leafminer, Citrus rust mite, Citrus thrips, and Twospotted spider mite**

Thorough spray coverage is essential for good mite and insect control. Spray gallonage may vary depending on size and number of trees per acre as well as density of foliage

- **Ground Application**

Apply using conventional dilute or concentrate ground application sprayers calibrated to deliver sufficient water for thorough coverage (or outside coverage for Asian citrus psyllid, citrus leafminer, or citrus thrips).

- **Aerial Application**

Aerial application is permitted **only** for control of citrus leafminer. Aerial application to citrus is not approved in California.

**Citrus Fruit Crop Group**

Pest	For Dilute Sprays <sup>a</sup> fl. oz./100 gals.	For Concentrate Sprays <sup>b</sup> fl. oz./A	Instructions
Asian citrus psyllid	--	10-20 <sup>c</sup>	<ul style="list-style-type: none"> <li>• Apply Agri-Mek 0.15 EC with a minimum of 0.20% horticultural spray oil (not a dormant oil) in the spray mixture or not less than 1.0 gal. of oil/A (except when specified differently below).</li> <li>• <b>Asian Citrus Psyllid:</b> Apply Agri-Mek 0.15 EC to protect newly expanding foliage flush during the spring, summer or fall. Agri-Mek 0.15 EC will only control adults and nymphs present at the time of application.</li> <li>• <b>Mites:</b> Apply when mites first appear during spring, summer, and/or fall.</li> <li>• <b>Citrus Bud Mite:</b> For best results, time the spray at “bud swell.”</li> <li>• <b>Citrus Leafminer:</b> Apply to protect new growth during spring, summer, or fall.</li> <li>• <b>Citrus Thrips:</b> Application targeted for citrus 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).</li> </ul>
Broad mite	1.0-2.0	10-20 <sup>c</sup>	
Citrus bud mite	1.0-2.0	10-20 <sup>d</sup>	
Citrus leafminer	--	5-20 <sup>c</sup>	
Citrus rust mite	0.5-2.0	5-20 <sup>c</sup>	
Citrus thrips	--	10-20 <sup>e</sup>	
Twospotted spider mite	1.0-2.0	10-20	

<sup>a</sup>The rate of Agri-Mek 0.15 EC per 100 gals. is based on a volume of 1,000 gals./A dilute spray.

<sup>b</sup>For concentrate sprays, adjust the dosage to apply an amount/A equal to that used in full cover dilute spray.

<sup>c</sup>Ground application: For best results, use 150-300 gals./A of spray mix with a minimum of 3 gal./A of horticultural oil (not a dormant oil) and apply at a ground speed of 1 to 1.5 MPH.

<sup>d</sup>For best results, use a minimum of 500 gals./A of spray mix with a minimum of 0.5% horticultural spray oil (not a dormant oil).

<sup>e</sup>For best results, use 100-250 gals./A of spray mix applied to achieve outside coverage.

### Use Restrictions – Citrus Fruit Crop Group

- **PHI:** Do not apply within **7 days** of harvest.
- **Application Method:**
  - To control citrus leafminer** - Ground or aerial application is permitted; however, do not apply with aircraft to citrus in California. For aerial application use a minimum of 10 gallons of finished spray volume per acre. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to insure adequate coverage.
  - All other pests** - Ground application only. Do not apply with aircraft.
- **Prohibited Use:** To manage resistance do not use in citrus nurseries.
- **Application Interval:** Wait at least 30 days before repeating application.
- **Maximum Amount per Season:**
  - Do not** apply more than 40 fl. oz./A (or 0.047 lb. ai./A) of Agri-Mek 0.15 EC, or any other foliarly applied abamectin containing product in any growing season.
  - Do not** make more than 3 applications in any growing season.
- **Grazing:** Do not allow livestock to graze in treated orchards.

### Fruiting Vegetables Crop Group

**Crops in this group are: Eggplant, Groundcherry, Pepino, Peppers (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, and Tomato**

For control of Broad mite, Colorado potato beetle, *Liriomyza* leafminers, Spider mites, *Thrips palmi*, Tomato psyllid, Tomato pinworm, and Tomato russet mite

Mix with water as indicated below. Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage may result in reduced control.

#### Note:

- Agri-Mek 0.15 EC may be applied with ground application equipment or aircraft.
- For best control of mites, apply Agri-Mek 0.15 EC with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of mites when Agri-Mek 0.15 EC is aerially applied.

**Fruiting Vegetables Crop Group**

<b>Pest</b>	<b>fl. oz./A.</b>	<b>Instructions</b>
Broad mite Colorado potato beetle <i>Liriomyza</i> leafminers Spider mites Thrips palmi Tomato psyllid Tomato russet mite	8.0-16.0	<ul style="list-style-type: none"> <li>• <b>Broad, russet, and spider mites:</b> Apply when mites first appear.</li> <li>• <b><i>Thrips palmi</i>:</b> Apply when thrips are first observed.</li> <li>• <b>Tomato pinworm:</b> Application may be made from the time moth activity is detected up to, but no later than, the time when newly emerged larvae are present.</li> <li>• <b>Mites, leafminers, <i>Thrips palmi</i>, and Colorado potato beetle:</b> Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.</li> </ul>
Tomato pinworm	16.0	<ul style="list-style-type: none"> <li>• Repeat application as necessary to maintain control. <b>(See Use Restrictions.)</b></li> <li>• <b>Note:</b> Agri-Mek 0.15 EC may be used without a wetting agent. Spreading and penetrating surfactants can improve insect control when necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended. Do not use binder or sticker-type surfactants.</li> </ul>

**Use Restrictions – Fruiting Vegetables Crop Group**

- **PHI:** Do not apply within **7 days** of harvest.
- **Application Method:** Ground or aerial application permitted; however do not apply with aircraft in New York State.
- **Prohibited Use:** For resistance management, do not use on fruiting vegetables grown for transplanting.
- **Amount of Water:** Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to insure adequate coverage.
- **Maximum Amount per Application:** Do not apply more than 16 fl oz./A (or 0.019 lb. ai/A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product per application
- **Application Interval:** Wait at least 7 days before repeating application.
- **Number of Applications:** Do not make more than 2 sequential applications of AgriMek 0.15 EC or any other foliarly applied abamectin containing product.
- **Maximum Amount per Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. ai/A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product in a growing season.

**Grapes**

**For control of Pacific spider mite, Twospotted spider mite, Variegated leafhopper, Western grape leafhopper, Western grapeleaf skeletonizer, and Willamette spider mite**

Agri-Mek 0.15 EC may be applied using conventional ground sprayers calibrated to deliver sufficient water for thorough coverage. Thorough coverage is essential for good spider mite and insect control. Do not spray alternate rows. Agri-Mek 0.15 EC must be applied to both sides of each row for maximum coverage.

**Grapes**

<b>Pest</b>	<b>fl. oz./A</b>	<b>Instructions</b>
Pacific spider mite Twospotted spider mite Variegated leafhopper Western grape leafhopper Western grapeleaf skeletonizer Willamette spider mite	8.0-16.0 Plus a nonionic surfactant	<ul style="list-style-type: none"> <li>• Use 8 - 12 fl. oz./A for low to moderate infestations and 16 fl. oz. for severe infestations.</li> <li>• Repeat application, if needed. <b>(See Use Restrictions.)</b></li> <li>• <b>Note:</b> Agri-Mek 0.15 EC must be applied in combination with a nonionic surfactant to improve wetting of foliage and to smooth out spray deposits. Spreading and penetrating surfactants can improve insect control. Do not use binder or sticker-type surfactants. Although Agri-Mek 0.15 EC has been tested in combination with a nonionic surfactant for safety to grapes, it is impossible to test on all grape varieties under the variety of conditions that may cause crop injury. Therefore, when using Agri-Mek 0.15 EC in combination with a nonionic surfactant, carefully follow the <b>Directions for Use</b> and <b>Precautions</b> on the nonionic surfactant label and in official spray guides.</li> <li>• <b>Spider mites:</b> Apply when mites first appear but before motiles exceed 5 per leaf.</li> <li>• <b>Western grapeleaf skeletonizer:</b> Apply Agri-Mek 0.15 EC plus a nonionic surfactant when larvae are first observed. For optimum control, apply shortly after egg hatch.</li> <li>• <b>Leafhoppers:</b> Apply Agri-Mek 0.15 EC plus a nonionic surfactant using thorough spray coverage for contact knock-down only.</li> </ul>

### Use Restrictions – Grapes

- **PHI:** Do not apply within **28 days** of harvest.
- **Application Method:** Ground application only.
- **Amount of Water:** Do not apply in less than 50 gals. of water/A with conventional ground application equipment.
- When using an electro-static sprayer, less than 50 gals. of water/A may be used , however do not use less than 5 gals. of water/A.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. ai./A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product per application.
- **Application Interval:** If a second application is necessary, wait at least 21 days before repeating application.
- **Number of Applications:** Do not make more than 2 applications of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product per growing season.
- **Maximum Amount per Season:** Do not apply more than 32 fl. oz./A (0.038 lb. ai./A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product in a growing season.
- **Grazing:** Do not allow livestock to graze in treated vineyards.

**Potatoes**

**For control of Colorado potato beetle, *Liriomyza* leafminers, Potato psyllid, and Spider mites**

Mix with water as indicated below. Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage may result in reduced control.

**Note:** Agri-Mek 0.15 EC may be applied using ground application equipment or aircraft. For best control of mites, apply Agri-Mek 0.15 EC with ground application equipment. With aerial application, spray coverage and the resulting control of mites is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of mites when Agri-Mek 0.15 EC is aerially applied.

**Potatoes**

Pests	fl. oz./A	Instructions
Colorado potato beetle <i>Liriomyza</i> leafminers Potato psyllid Spider mites	8.0-16.0	<ul style="list-style-type: none"> <li>• Use 8 - 12 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.</li> <li>• The addition of a nonionic surfactant or organosilicone-based surfactant, at the manufacturer's recommended rate, is suggested for optimum spider mite and insect control.</li> <li>• Insect and spider mite control may be reduced if Agri-Mek 0.15 EC is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.</li> <li>• <b>Colorado potato beetle:</b> Make the first application after approximately 50% of the egg masses have hatched and larvae are present. If 2 applications are needed, limit them to a single Colorado potato beetle generation per crop. Do not make more than 2 applications per crop. <b>(See Use Restrictions.)</b></li> <li>• <b><i>Liriomyza</i> leafminers:</b> Make the first application when adult flies are first observed. Repeat applications as needed to maintain control. <b>(See Use Restrictions.)</b></li> <li>• <b>Spider mites:</b> Make the first application when mites first appear. Repeat application as needed to maintain control. <b>(See Use Restrictions.)</b></li> </ul>

**Use Restrictions – Potatoes**

- **PHI:** Do not apply within **14 days** of harvest.
- **Application Method:** Ground or aerial application permitted; however do not apply with aircraft in New York State.

- **Amount of Water:** Do not apply in less than 20 gals. of water/A with ground application equipment. Do not apply in less than 5 gals. of water/A with aircraft. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures) use a greater volume of water to insure adequate coverage.
  - **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. ai./A) per application
  - **Application Interval:** Wait at least 7 days before repeating application.
  - **Number of Applications:** Do not make more than 2 sequential applications of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product.
  - **Maximum Amount per Crop:**
    - For spider mite or Colorado potato beetle control, do not apply more than 32 fl. oz./A (or 0.038 lb. ai./A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product per crop.
    - For leafminer control, do not apply more than 48 fl. oz./A. (or 0.056 lb. ai./A) of Agri-Mek 0.15 EC or any other foliarly applied abamectin containing product per crop.
  - **Grazing:** Do not allow livestock to graze or feed treated foliage to livestock.
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**SCP 898A-S8 1208**

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