SUPPLEMENTAL LABEL

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.

Epi-Mek® 0.15 EC Miticide/Insecticide

EPA Reg. No. 100-1154

SUPPLEMENTAL DIRECTIONS FOR USE FOR:

• STONE FRUIT CROP GROUP (crop group 12)
• TREE NUTS CROP GROUP (crop group 14) AND PISTACHIO
• TUBEROUS AND CORM VEGETABLES CROP SUBGROUP (crop subgroup 1C)

Active Ingredient:
Abamectin\(^1\) .......................................................... 2.0\%

Other Ingredients: 98.0%

Total: 100.0%

\(^1\)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 1154A-S3 0909

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

Restricted Use Pesticide

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

*Stone Fruit Crop Group (Crop Group 12)*

Crops in this group are: apricot; cherry (sweet and tart); nectarine; peach; plum; plum (chickasaw, damson, and Japanese); plumcot, and prune (fresh)

For control of European spider mite, Pacific spider mite, and Twospotted spider mite

Epi-Mek 0.15 EC may be applied using conventional dilute or concentrate sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. In any case, thorough coverage is essential for good spider mite control.
### Stone Fruit Crop Group

<table>
<thead>
<tr>
<th>Pest</th>
<th>For Dilute Sprays&lt;sup&gt;a&lt;/sup&gt; fl. oz./100 gals.</th>
<th>For Concentrate Sprays&lt;sup&gt;b&lt;/sup&gt; fl. oz./A</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>European red mite</td>
<td>2.5-5.0</td>
<td>10-20</td>
<td>• Apply when mites first appear.</td>
</tr>
<tr>
<td>Pacific spider mite</td>
<td></td>
<td></td>
<td>• A second application may be made, if needed, to maintain control. (See Use Restrictions.)</td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td></td>
<td></td>
<td>• Always apply Epi-Mek 0.15 EC in combination with a nonionic surfactant that spreads on and/or penetrates the leaf cuticle, or apply with horticultural spray oil (not a dormant oil).</td>
</tr>
</tbody>
</table>

1. **NOTE:**
   1) A nonionic surfactant that spreads on and/or penetrates the leaf cuticle can improve insect control. Although Epi-Mek 0.15 EC has been tested in combination with nonionic surfactants for safety to stone fruit, it is impossible to test on all stone fruit varieties under the variety of conditions that may cause crop injury. Therefore, when using Epi-Mek 0.15 EC in combination with a nonionic surfactant, carefully follow the Directions for Use and Precautions on the surfactant label and in official spray guides.

<table>
<thead>
<tr>
<th>Horticultural Spray Oil (not a dormant oil) OR Nonionic Surfactant</th>
<th>Labeled Rate</th>
<th>Minimum of 1 gal./A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labeled Rate</td>
<td>0.25% or 1 gal./A</td>
<td></td>
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</tbody>
</table>

2) A horticultural oil (not a dormant oil) may improve efficacy and can be used but it may increase the possibility of phytotoxicity to foliage and fruit.

- Use nonionic surfactants at the manufacturer’s recommended rate.
- Use a minimum of 0.25% horticultural spray oil (not a dormant oil) in the dilute spray mixture and not less than 1.0 gal. of horticultural spray oil per acre in the final finished spray.

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<sup>a</sup>The rate of Epi-Mek 0.15 EC per 100 gals. is based on a volume of 400 gals./A dilute spray.

<sup>b</sup>To determine the amount of product per acre for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as would be required for the dilute sprays to the same orchard/grove. This may result in use of less than 10 fl. oz./A on small trees.
Use Restrictions – Stone Fruit Crop Group
- **PHI:** Do not apply within **21 days** of harvest.
- **Application Method:** Ground application only. Do not apply with aircraft.
- **Amount of Water:** Do not apply in less than 40 gals. of water/A.
- **Maximum Amount per Application:** Do not apply more than 20 fl. oz./A (or 0.023 lb. ai./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin containing product per application.
- **Application Interval:** If a second application is needed, wait at least 21 days before repeating application.
- **Number of Applications:** Do not make more than 2 applications of Epi-Mek 0.15 EC or any other foliarly applied abamectin containing product per growing season.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./A (or 0.047 lb. ai./A) of Epi-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 orchards.
Tree Nuts Crop Group (Crop Group 14) and Pistachio

Crops in this group are: almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert (hazlenut), hickory nut, macadamia nut, pecan, and walnuts (black and English)

For control of European red mite, Pacific spider mite, Strawberry spider mite, and Twospotted spider mite

Epi-Mek 0.15 EC may be applied using conventional dilute or concentrate sprayers calibrated to deliver sufficient water for thorough coverage. Gallons of spray will vary with size and number of trees per acre and density of foliage. In any case, thorough coverage is essential for good spider mite and insect control.

<table>
<thead>
<tr>
<th>Pest</th>
<th>For Dilute Sprays&lt;sup&gt;a&lt;/sup&gt; fl. oz./100 gals.</th>
<th>For Concentrate Sprays&lt;sup&gt;b&lt;/sup&gt; fl. oz./A</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>European red mite</td>
<td>2.5-5.0</td>
<td>10-20</td>
<td>• Always use Epi-Mek 0.15 EC in combination with a horticultural spray oil (not a dormant oil) approved for use on tree nuts.</td>
</tr>
<tr>
<td>Pacific spider mite</td>
<td></td>
<td></td>
<td>• Apply Epi-Mek 0.15 EC when spider mites first appear. Residual spider mite control is greater from spray deposits on newer leaves compared to older leaves.</td>
</tr>
<tr>
<td>Strawberry spider mite</td>
<td></td>
<td></td>
<td>• A second application may be made, if needed, to maintain control. (See Use Restrictions.)</td>
</tr>
<tr>
<td>Twospotted spider mite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticultural Spray Oil (not a dormant oil)</td>
<td>0.25% or 1 gal./A</td>
<td>Minimum of 1 gal./A</td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup>The rate of Epi-Mek 0.15 EC per 100 gals. is based on a volume of 400 gals./A dilute spray.

<sup>b</sup>To determine the amount of product per acre for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product per acre in concentrate sprays that would be required for the dilute sprays to the same orchard/grove. This may result in use of less than 10 fl. oz./A on small trees.

Use Restrictions – Tree Nuts Crop Group and Pistachio

- PHI: Do not apply within 21 days of harvest.
- Application Method: Ground application only. Do not apply with aircraft.
- Amount of Water: Do not apply in less than 40 gals. of water/A.
- Application Interval: If a second application is necessary, wait at least 21 days before repeating application.
- Maximum Amount per Application: Do not apply more than 20 fl. oz./A (or 0.023 lb. ai./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin containing product per application.
- Applications per Season: Do not make more than 2 applications of Epi-Mek 0.15 EC or any other foliarly applied abamectin containing product per growing season.
- Maximum Amount per Season: Do not apply more than 40 fl. oz./A (or 0.047 lb. ai./A) of Epi-Mek or any other foliarly applied abamectin containing product in a growing season.
- Grazing: Do not allow livestock to graze in treated groves/orchards.
Tuberous and Corm Vegetables Crop Subgroup (Crop Subgroup 1C)
Crops in this subgroup are: arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava (bitter and sweet); chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; and yam (true).

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:** Epi-Mek 0.15 EC may be applied using ground application equipment or aircraft. For best control of mites, apply Epi-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 Epi-Mek 0.15 EC is aerially applied.

### Tuberous and Corm Vegetables Crop Subgroup

<table>
<thead>
<tr>
<th>Pest</th>
<th>fl. oz./A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado potato beetle</td>
<td>8.0-16.0</td>
</tr>
<tr>
<td><em>Liriomyza</em> leafminers</td>
<td></td>
</tr>
<tr>
<td>Potato psyllid</td>
<td></td>
</tr>
<tr>
<td>Spider mites</td>
<td></td>
</tr>
</tbody>
</table>

- **Instructions**
  - Use 8 - 12 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.
  - 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.
  - Insect and spider mite control may be reduced if Epi-Mek 0.15 EC is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.
  - **Colorado potato beetle:** Make the first application after approximately 50% of the egg masses have hatched and larvae are present. If 2 applications are needed, limit them to a single Colorado potato beetle generation per crop. Do not make more than 2 applications per crop. (**See Use Restrictions.**)
  - **Liriomyza leafminers:** Make the first application when adult flies are first observed. Repeat applications as needed to maintain control. (**See Use Restrictions.**)
  - **Spider mites:** Make the first application when mites first appear. Repeat application as needed to maintain control. (**See Use Restrictions.**)

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Use Restrictions – Tuberous and Corm Vegetables Crop Subgroup

- 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 Epi-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 Epi-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 Epi-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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Epi-Mek 1154A-S3 0909-lg-10-26-09