

100-1154

2/3/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 3, 2012

Carolyn Brinkley  
Syngenta Crop Protection, Inc.  
PO Box 18300  
Greensboro, NC 27419

re: Epi-Mek 0.15 EC, EPA Reg. # 100-1154  
label amendment submitted 1/16/2012 (D# 460429)  
supplemental label for dry beans, herbs, bulb onions  
accepted

Dear Ms. Brinkley:

On 10/19/2011 EPA accepted a MASTER label which added new crops (dry beans, herb crop subgroup 19A, and bulb onion crop subgroup 3-07A) to this product. An amendment to that label correcting the re-entry interval for grapes was subsequently accepted on 11/9/2011. To facilitate market introduction of the new labeling for the new crops, Syngenta has requested that EPA stamp a SUPPLEMENTAL label listing only the new uses. This letter addresses the SUPPLEMENTAL labeling only.

The SUPPLEMENTAL labeling submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is ACCEPTABLE. As shown on the stamped label, the supplemental label must bear an expiration date of 10/19/2014 (three years from date the master label was accepted).

Submit two (2) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of the label stamped "accepted" is enclosed for your records. If you have any questions please contact Tom Harris at (703) 308-9423 or [harris.thomas@epa.gov](mailto:harris.thomas@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "John D. Hebert".

John D. Hebert  
Product Manager 7  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

enclosure

**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.

**SUPPLEMENTAL LABELING**

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

ACCEPTED  
**FEB 03 2012**  
 Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended, for the  
 pesticide registered under:

**SCP 1154A-S5 1011**

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

EPA. Reg. No: 100-1154

**Supplemental Labeling**

This supplemental labeling expires on October 19, 2014, and must not be distributed or used after that date.

Active Ingredient:	
Abamectin <sup>1</sup> .....	2.0%*
Other Ingredients: .....	98.0%
Total:	100.0%

<sup>1</sup>CAS No. 71751-41-2  
 \*1 gal. contains 0.15 lb. abamectin.

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

**EPA Reg. No. 100-1154**

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 EPA-registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions 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.

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#### CROP USE DIRECTIONS

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##### Dry Beans

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Crops include: *Cicer arietinum* (chickpea, garbanzo bean), *Lupinus* spp. (including sweet lupine, white sweet lupine, white lupine, and grain lupine), *Phaseolus* spp. (including kidney bean, lima bean, mung bean, navy bean, pinto bean, snap bean, and waxbean), *Vicia faba* (broad bean, fava bean), *Vigna* spp. (including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea\*, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, and yardlong bean)

\*For use on cowpeas that are grown only for dry seed. Do not allow livestock to graze cowpea forage and do not harvest cowpea forage or hay for use as livestock feed.

##### For control of *Liriomyza* leafminers and Spider Mites

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

##### Note:

- Apply Epi-Mek 0.15 EC with ground application equipment or aircraft.
- For best control, apply Epi-Mek 0.15 EC with ground application equipment. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application.

##### Dry Beans

Pest	Fl. Oz./A.	Instructions
<i>Liriomyza</i> leafminers 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 13 - 16 fl. oz./A for high infestations.</li> <li>• <b>Leafminers and Spider Mites:</b> Apply when adult leafminer flies or spider mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions.)</b></li> </ul>

### Use Restrictions – Dry Beans

- **PHI:** Do not apply within **7 days** of harvest (7-day PHI).
- **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 10 gal. of water/A with ground application equipment. Do not apply in less than 5 gal. 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 ensure adequate coverage.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin-containing product per application.
- **Application Interval:** Wait at least 6 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 Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin-containing product in a growing season.

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### Herb Crop Subgroup (Crop Subgroup 19A)

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Crops in this subgroup are: Angelica, Balm, Basil, Borage, Burnet, Camomile, Catnip, Chervil (dried), Chives, Chives (Chinese), Clary, Coriander (leaf), Cilantro (leaf), Costmary, Culantro (leaf), Curry (leaf), Dill weed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram (*Origanum* species), Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Summer and Winter savory, Sweet bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, and Wormwood.

### For control of *Liriomyza* leafminers and Spider Mites

Mix with water as indicated below. Apply thoroughly with ground application equipment as a foliar spray and ensure good upper and lower leaf coverage.

**Herb Crop Subgroup (Crop Subgroup 19A)**

Pest	fl. oz./A.	Instructions
<i>Liriomyza</i> leafminers Spider Mites	8.0-16.0	<ul style="list-style-type: none"> <li>• Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.</li> <li>• Apply when adult leafminer flies or spider mites are first observed and repeat application, as necessary to maintain control. <b>(See Use Restrictions.)</b></li> <li>• Epi-Mek 0.15 EC may be used without a wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended for all crops in the Herb Crop Subgroup except chives. Do not use a surfactant when applying this product to chives.</li> <li>• <b>Note:</b> Although Epi-Mek 0.15 EC has been tested in combination with a nonionic surfactant for safety to herbs, it is impossible to test on all herb types and 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 <b>Directions for Use</b> and <b>Precautions</b> on the nonionic surfactant label and in official spray guides.</li> </ul>

**Use Restrictions – Herb Crop Subgroup (Crop Subgroup 19A)**

- **PHI:** Do not apply within **14 days** of harvest. For chives, do not apply within **7 days** of harvest.
- **Application Method:** Apply with ground application equipment.
- **Amount of Water:** Use a minimum of 20 gal. of water/A.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Epi-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 applications of Epi-Mek 0.15 EC or any other foliarly applied abamectin-containing product per single cutting (harvest).
- **Maximum Amount per Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin-containing product per year.

**Onion, Bulb (Crop Subgroup 3-07A)**

Crops in this group are: onion, bulb, including daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.

**For control of *Liriomyza* Leafminers and Thrips**

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

**Note:**

- Apply Epi-Mek 0.15 EC with ground application equipment or aircraft.
- For best control apply Epi-Mek 0.15 EC with ground application equipment. With aerial application, the resulting control of leafminers and thrips could be less than with ground application.

**Onion, Bulb (Crop Subgroup 3-07A)**

Pest	Fl. Oz./A.	Instructions
<i>Liriomyza</i> leafminers Thrips	8.0-16.0	<ul style="list-style-type: none"> <li>• Use 8 - 12 fl. oz./A for low to moderate infestations and 13 - 16 fl. oz./A for high infestations.</li> <li>• <b>Leafminers:</b> Apply when adult leafminer flies are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions.)</b></li> <li>• <b>Thrips:</b> Apply in a thrips management program and when thrips are at economic threshold. Repeat application, as needed, to maintain control within constraints of a sound resistance management program. <b>(See Use Restrictions.)</b> Do not use Epi-Mek 0.15 EC as a rescue treatment for thrips control.</li> <li>• <b>Note:</b> Add a non-ionic activator type wetting, spreading and/or penetrating adjuvant approved for use on bulb onion. Do not use binder sticker type adjuvants. Tank mixing with products that have binder sticker type formulations can reduce Epi-Mek 0.15 EC performance. <b>(See Use Information and Use Restrictions.)</b></li> </ul>

### Use Restrictions – Onion, Bulb (Crop Subgroup 3-07A)

- **PHI:** Do not apply within **30 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 gal. of water/A with ground application equipment. Do not apply in less than 5 gal. 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 ensure adequate coverage.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of Epi-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:** Make 2 consecutive applications of Epi-Mek 0.15 EC then rotate to a chemistry with a different mode of action. Make at least 2 applications of a chemistry with a different mode of action before making additional Epi-Mek 0.15 EC 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 Season:** Do not apply more than 48 fl. oz./A (or 0.056 lb. a.i./A) of Epi-Mek 0.15 EC or any other foliarly applied abamectin-containing product in a growing season.

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