

100-1351

06-08-2011

1/7



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 8, 2011

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

re: Agri-Mek SC, EPA Reg. # 100-1351  
label amendment submitted 6/8/2011 (D# 450129)  
accepted (version 20110608b with expiration date)

Dear Ms. Brinkley:

On 9/29/2010 EPA accepted a MASTER label which added crops already registered under the avermectin EC formulation to the above avermectin SC formulation product including conversion to crop groups for tree nuts; stone fruit; tuberous and corm vegetables. To facilitate market introduction of the new labeling for the crop groups, Syngenta has requested that EPA stamp a SUPPLEMENTAL label listing only these crop group uses. This letter addresses the SUPPLEMENTAL labeling only.

The SUPPLEMENTAL labeling (6/8/2011 version b) 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 9/29/2013 (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 "TCH".

Thomas C. Harris  
Biologist  
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**

This supplemental label expires on 9/29/2013 and  
must not be used or distributed after this date.

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

**ACCEPTED**  
**JUN - 8 2011**  
Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

**SCP 1351A-S1 0910**  
**Agri-Mek® SC**  
Miticide/Insecticide  
**Supplemental Directions for Use**

EPA. Reg. No: 100-1351

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

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

\*1 gal. contains 0.7 lb. abamectin formulated as a suspension concentrate

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

EPA Reg. No. 100-1351

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed. Before using Agri-Mek SC as permitted according to this Supplemental Labeling, 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 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

### 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

Apply Agri-Mek SC 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

Pest	For Dilute Sprays <sup>1</sup> fl.oz./ 100 gals.	For Concentrate Sprays <sup>2</sup> fl. oz./A	Instructions
European red mite Pacific spider mite Twospotted spider mite	0.5-1.0	2.25-4.25	<ul style="list-style-type: none"> <li>• To avoid illegal residues, Agri-Mek SC <b>must</b> be mixed with a non-ionic activator type wetting, spreading and/or penetrating adjuvant or with a horticultural spray oil (not a dormant oil). Do not use binder sticker type adjuvants. <b>(See Use Information and Use Restrictions.)</b></li> <li>• Apply when mites first appear.</li> <li>• Make a second application, if needed, to maintain control. <b>(See Use Restrictions.)</b></li> </ul>
<b>Horticultural Spray Oil (not a dormant oil)</b>	0.25% or 1 gal./A	Minimum of 1 gal./A	<ul style="list-style-type: none"> <li>• A horticultural spray oil (not a dormant oil) can improve efficacy but it could also increase the possibility of phytotoxicity to foliage and fruit.</li> <li>• 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.</li> </ul>

<sup>1</sup>The rate of Agri-Mek SC per 100 gals. is based on a volume of 400 gals./A dilute spray.

<sup>2</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 can result in use of less than 2.25 fl. oz./A on small trees.

### Use Restrictions – Stone Fruit Crop Group

- **PHI:** Do not apply within **21 days** of harvest.
- **Adjuvant Requirement:** To avoid illegal residues, Agri-Mek SC **must** be mixed with a non-ionic activator type wetting, spreading and/or penetrating adjuvant (**See Use Information**) or horticultural spray oil (not a dormant oil) approved for use on crops in the stone fruit crop group. Carefully follow the Directions for Use and Precautions on the adjuvant or horticultural spray oil label and in official spray guides. See the **Directions for Use** table above for application instructions. Do not use binder sticker type adjuvants.
- **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 4.25 fl. oz./A (or 0.023 lb. ai./A) of Agri-Mek SC or any other foliar applied abamectin containing product per application.
- **Application Interval:** **If a second application is needed, wait at least 21 days before repeating application** of Agri-Mek SC or any other foliar applied abamectin containing product.
- **Number of Applications:** Do not make more than 2 applications of Agri-Mek SC or any other foliar applied abamectin containing product per growing season.
- **Maximum Amount per Season:** Do not apply more than 8.5 fl. oz./A (or 0.047 lb. ai./A) of Agri-Mek SC or any other foliar 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 (hazelnut), 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

Apply Agri-Mek SC 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.

**Tree Nuts Crop Group and Pistachio**

Pest	For Dilute Sprays <sup>1</sup> fl. oz./ 100 gals.	For Concentrate Sprays <sup>2</sup> fl. oz./A	Instructions
European red mite Pacific spider mite Strawberry spider mite Twospotted spider mite	0.5-1.0	2.25-4.25	<ul style="list-style-type: none"> <li>To avoid illegal residues, Agri-Mek SC <b>must</b> be mixed with horticultural spray oil (not a dormant oil). (<b>See Use Restrictions.</b>)</li> </ul>
<b>Horticultural Spray Oil (not a dormant oil)</b>	0.25% or 1 gal./A	Minimum of 1 gal./A	<ul style="list-style-type: none"> <li>Apply Agri-Mek SC when spider mites first appear.</li> <li>Residual spider mite control is greater from spray deposits on newer leaves compared to older leaves.</li> <li>Make a second application, if needed, to maintain control. (<b>See Use Restrictions.</b>)</li> </ul>

<sup>1</sup>The rate of Agri-Mek SC per 100 gals. is based on a volume of 400 gals./A dilute spray.

<sup>2</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 can result in use of less than 2.25 fl. oz./A on small trees.

**Use Restrictions – Tree Nuts Crop Group and Pistachio**

- **PHI:** Do not apply within **21 days** of harvest.
- **Adjuvant Requirement:** To avoid illegal residues, Agri-Mek SC **must** be mixed with a horticultural spray oil (not a dormant oil) approved for use on crops in the tree nuts crop group and on pistachio. Carefully follow the **Directions for Use** and **Precautions** on the horticultural spray oil label as well as the precautions in official spray guides or on product labels.
- **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 of Agri-Mek SC or any other foliar applied abamectin containing product.
- **Maximum Amount per Application:** Do not apply more than 4.25 fl. oz./A (or 0.023 lb. ai./A) of Agri-Mek SC or any other foliar applied abamectin containing product per application.
- **Applications per Season:** Do not make more than 2 applications of Agri-Mek SC or any other foliar applied abamectin containing product per growing season.
- **Maximum Amount per Season:** Do not apply more than 8.5 fl. oz./A (or 0.047 lb. ai./A) of Agri-Mek SC or any other foliar 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 can result in reduced control.

**Note:**

- Apply Agri-Mek SC using ground application equipment or aircraft.
- For best control of mites, apply Agri-Mek SC with ground application equipment. With aerial application, the resulting level and duration of control of mites could be less than with ground application.

### Tuberous and Corm Vegetables Crop Subgroup

Pests	fl. oz./A	Instructions
Colorado potato beetle <i>Liriomyza</i> leafminers Potato psyllid Spider mites	1.75-3.5	<ul style="list-style-type: none"> <li>• To avoid illegal residues, Agri-Mek SC <b>must</b> be mixed with a non-ionic activator type wetting, spreading and/or penetrating adjuvant. Do not use binder sticker type adjuvants. <b>(See Use Information and Use Restrictions.)</b></li> <li>• Use 1.75-2.5 fl. oz./A for low to moderate infestations and 3.5 fl. oz./A for severe infestations.</li> <li>• Insect and spider mite 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> <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 – Tuberous and Corm Vegetables Crop Subgroup

- **PHI:** Do not apply within **14 days** of harvest.
- **Adjuvant Requirement:** To avoid illegal residues, Agri-Mek SC **must** be mixed with a non-ionic activator type wetting, spreading and/or penetrating adjuvant (**See Use Information**) approved for use on crops in the tuberous and corm vegetables crop subgroup. Carefully follow the Directions for Use and Precautions on the adjuvant label and in official spray guides. See the **Directions for Use** table above for application instructions. Do not use binder sticker type adjuvants.
- **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 3.5 fl. oz. /A (or 0.019 lb. ai./A) per application.
- **Application Interval:** Wait at least 7 days before repeating application of Agri-Mek SC or any other foliar applied abamectin containing product.
- **Number of Applications:** Do not make more than 2 sequential applications of Agri-Mek SC or any other foliar applied abamectin containing product.
- **Maximum Amount per Crop:**
  - For spider mite or Colorado potato beetle control, do not apply more than 7.0 fl. oz./A (or 0.038 lb. ai.A) of Agri-Mek SC or any other foliar applied abamectin containing product per crop.
  - For leafminer control or potato psyllid, do not apply more than 10.25 fl. oz./A (or 0.056 lb. ai./A) of Agri-Mek SC or any other foliar applied abamectin containing product per crop.
- **Grazing:** Do not allow livestock to graze or feed treated foliage to livestock.

---

The SYNGENTA Logo is a Trademark of a Syngenta Group Company  
©2011 Syngenta