
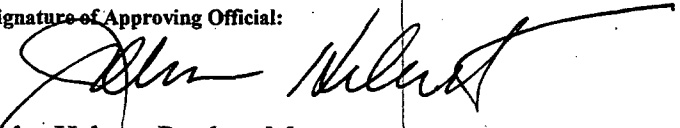


82542-12

03/18/2009

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p><b>NOTICE OF PESTICIDE:</b> <u>X</u> Registration — Reregistration</p> <p>(under FIFRA, as amended)</p>	<p><b>EPA Reg. Number:</b> 82542-12</p>	<p><b>Date of Issuance:</b> MAR 18 2009</p>
	<p><b>Term of Issuance:</b> Conditional</p>	
	<p><b>Name of Pesticide Product:</b> Abamectin .15EC T&amp;O Insecticide/ Miteicide</p>	
<p><b>Name and Address of Registrant (include ZIP Code):</b> Source Dynamics 10039 E. Troon North Drive Scottsdale, AZ 85262</p>		
<p><b>Note:</b> Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.</li> <li>2. Make the following label changes before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 82542-12."</li> </ol>		
<p><b>Signature of Approving Official:</b>  John Hebert, Product Manager Insecticide-Rodenticide Branch, Registration Division (7505P)</p>	<p><b>Date:</b> MAR 18 2009</p>	

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3. Storage stability (830.6317) and corrosion characteristics (830.6320) data must be submitted within 18 months from the date of this registration notice.

4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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

Enclosure

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Source Dynamics 090316

**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.

## ABAMECTIN 0.15EC T&O Insecticide/Miticide

**ACTIVE INGREDIENT:**

Abamectin.....1.9% w/w

**OTHER INGREDIENTS**.....98.1% w/w

**TOTAL**.....100.0%

Abamectin 0.15EC Ag Insecticide/Miticide contains 0.15 lb of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**

### **WARNING**

### **AVISO**

See next page for First Aid, Precautionary Statements and Directions for Use.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

EPA Reg. No. 82542- 12

EPA Est. No.

Net Contents: Gallons

Source Dynamics LLC  
10039 E. Troon North Drive  
Scottsdale, AZ 85262  
(480) 218-5943

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
MAR 18 2009

Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

82542-12

**FIRST AID**

<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>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have 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 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 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 mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Chemtrec at 1-800-424-9300 for emergency medical treatment information.

**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 parental 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.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING – AVISO**

Causes substantial but temporary eye injury. Do not get in eyes. Harmful if absorbed through skin or if swallowed. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category E on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes.
- Chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, Viton).
- Protective eyewear.

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, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. 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 this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible: Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

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

**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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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-sleeved shirt and short pants.
- Chemical-resistant gloves – EPA chemical-resistance category E (e.g., barrier laminate, nitrile rubber, neoprene rubber, Viton).
- Chemical-resistant shoes and socks.
- Protective eyewear.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Do not reenter treated areas until sprays have dried.**

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**IMPORTANT – READ BEFORE USE**

Read the entire Directions for Use, Limited Warranty and Disclaimer before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following warranty disclaimer, inherent risks of use and limitation of remedies.

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

**INFORMATION**

Abamectin 0.15EC is an EC formulation and is to be diluted with water prior to use. Abamectin 0.15EC controls leafminers and mites and suppresses whiteflies, thrips and aphids on the ornamental species listed on this label.

**Resistance Management**

Abamectin 0.15EC is an insecticide/miticide and some target pests may develop resistance to Abamectin 0.15EC treatments. Use resistance management practices when using Abamectin 0.15EC on plants that are hosts of labeled pests that have more than one generation per crop or year. Typical strategies include, but are not limited to, rotation to other insecticides with different modes of action, treatment of successive generations with different products, applications made at specified label rates and at specified spray intervals, and the use of non-chemical alternatives (for example, beneficial arthropods or rotation of susceptible to non-susceptible plants). Contact your State Cooperative Extension Service for additional information on these or other resistance management strategies.

To manage susceptibility in *Liriomyza* leafminer species, make up to three applications of Abamectin 0.15EC and then rotate to Citation<sup>®</sup> Insecticide (which contains the active ingredient cyromazine) for no more than three applications before rotating back to Abamectin 0.15EC or using another insecticide.

Alternating between these two products which have different modes of action should be based on the generation of *Liriomyza* species to avoid applying Abamectin 0.15EC to successive generations.

### **Plant Tolerance**

Although Abamectin 0.15EC has been tested for tolerance on a variety of ornamental plants, it is not possible to test Abamectin 0.15EC under all application conditions, such as when Abamectin 0.15EC is applied with combination products or with surfactants or adjuvants. Test a small area of plants for phytotoxicity to Abamectin 0.15EC before making applications to large blocks of plants.

Phytotoxicity has been observed after the use of Abamectin 0.15EC on certain species of ferns (e.g., *Adiantum* spp.) and Shasta Daisy (*L. eucanthemum* spp.). Source Dynamics LLC does not recommend the use of Abamectin 0.15EC on ferns or Shasta Daisy.

### **Restrictions**

- Do not use Abamectin 0.15EC for suppression of aphids, whiteflies, and thrips on roses, chrysanthemums, and gerbera. These ornamentals are primary hosts of mites and *Liriomyza* leafminers and Abamectin 0.15EC applications should target these insect pests. Additional applications of Abamectin 0.15EC to suppress aphids, thrips, and whiteflies on these plants will increase the selection pressure on mites and *Liriomyza* leafminers which may result in greater tolerance of these pests to Abamectin 0.15EC.
- Do not apply this product through any type of irrigation system.
- Do not apply by air.
- To manage resistance do not use in citrus nurseries.
- Do not apply less than 8.0 fl oz or more than 16 fl oz per acre.

### **ORNAMENTALS - CROP USE DIRECTIONS**

#### **TARGET CROPS**

Shadehouse, Greenhouse, Field-Grown Ornamentals, Foliage Plants, Christmas Trees, and other Woody Ornamentals

#### **APPLICATION DIRECTIONS**

Mix Abamectin 0.15EC with a sufficient amount of water. Make applications as a foliar spray and ensure crops receive a thorough, uniform coverage.

**Horticultural Spray Oils:** For enhanced residual control of target pests on field-grown woody ornamentals, landscape plants, and Christmas trees, add a horticultural spray oil to the Abamectin 0.15 EC spray mix at 0.5 to 1.0% of the spray volume. To maintain control, make repeat applications as necessary at 7 days intervals.



Some plants may be sensitive to these oils. Test a small area of plants for phytotoxicity to Abamectin 0.15EC mixed with horticultural spray oil. Evaluate the plants after 2 weeks before applying Abamectin 0.15 EC mixed with oils on a large number of plants. In addition, plant damage from treatment with such mixtures may be increased if the temperatures are very cold or very warm. Read and follow directions on the spray oil label. Do not exceed the maximum rates listed on the label.

**Pests Controlled at 4 fl oz Abamectin 0.15EC/100 gallons:**

Mites including European Red Mite, Twospotted Spider Mite, Carmine Spider Mite, Southern Red Mite, Spruce Spider Mite, Tarsonemid Mites (Cyclamen and Broad Mites), Eriophyid Mites (Rust and Bud Mites)

**Application Instructions:** Make applications of Abamectin 0.15EC in 200 to 400 gallons of water per acre. For thorough coverage of plants, more than 400 gal. of water per acre may be required.

- Use at least 8 fl oz per acre if using less than 200 gals.
- Use no more than 16 fl oz per acre in 400 or more gal. of water (that is, add 2.5 fl oz Abamectin 0.15EC per 100 gals. if total spray volume is 650 gals.).
- Apply when mites first appear. Make repeat applications as necessary to maintain control.
- For Tarsonemid mites, make repeat applications to newly developing tissue to maintain control.

**Pests Controlled at 8 fl oz Abamectin 0.15EC/100 gallons:**

*Liriomyza* Leafminers, Boxwood Leafminer

**Application Instructions:** Make applications of Abamectin 0.15EC in 100 to 200 gallons of water per acre. For thorough coverage of plants, more than 400 gal. of water per acre may be required.

- Use at least 8 fl oz per acre if using less than 100 gals.
- Use no more than 16 fl oz per acre in 200 or more gal. of water (that is, add 4 fl oz Abamectin 0.15EC per 100 gals. if total spray volume is 400 gals.).
- For leafminers, apply as needed. Make repeat applications at 7-day intervals or as necessary to maintain control.
- For control of mining larvae (Boxwood leafminers), apply Abamectin 0.15EC when adults are beginning to lay eggs in the new foliage.

**Pests Suppressed at 8 fl oz Abamectin 0.15EC/100 gallons:**

Aphids, Thrips, Whiteflies

**Application Instructions:** Make applications of Abamectin 0.15EC in 200 to 400 gallons of water per acre. For thorough coverage of plants, more than 400 gal of water per acre may be required.

- Use at least 8 fl oz per acre if using less than 200 gals.
- Use no more than 16 fl oz per acre in 400 or more gal. of water (that is, add 2.5 fl oz Abamectin 0.15EC per 100 gals. if total spray volume is 650 gals.).
- Make applications of Abamectin 0.15EC when young, immature stages of these pests are first observed.
- Make repeat applications every 7 days for 2 or 3 weeks. Then, alternate to another insecticide that has a different mode of action than Abamectin 0.15EC. Read the **Resistance Management** section for additional information on insecticide rotation.
- Aphids, thrips, and whiteflies are killed by direct contact with the Abamectin 0.15EC spray.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**Pesticide Storage**

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

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. 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 Disposal**

Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by State or local authorities.

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### WARRANTY STATEMENT IMPORTANT NOTICE

Seller warrants that this product conforms to the chemical description and is reasonably fit for purposes stated on the label when used in accordance with the directions and instructions under normal conditions of use; **but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law the buyer assumes the risk of any such use.**

#### **Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Source Dynamics LLC or the seller. To the extent consistent with applicable law all such risks shall be assumed by buyer.

#### **Terms and Conditions of Use**

If terms of the Limited Warranty & Disclaimer and Inherent Risks of Use are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer and Inherent Risks of Use.