

GROUP	<b>6</b>	INSECTICIDE
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## AVID® 1.9% EC MITICIDE/INSECTICIDE

COMMERCIAL

For Control of Leafminers and Spider Mites on Greenhouse Ornamental Plants and Greenhouse Vegetables and tomato psyllid on greenhouse tomatoes and peppers.

**GUARANTEE:**

Abamectin..... 19 g/L

**READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

**WARNING**



**POISON**

REGISTRATION NO.: **24485**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 Litre**

**Syngenta Crop Protection Canada, Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

**LABEL**

## NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## FIRST AID

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled**, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## TOXICOLOGICAL INFORMATION

Recommendations for Medical Treatment for Abamectin Acute Toxicity: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting under the direction of a physician within one half hour of exposure. If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) 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.

## PRECAUTIONS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN.

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Harmful if inhaled or absorbed through the skin. Do not breathe spray mist. Avoid contact with skin. May be fatal if swallowed. Wear a full body pesticide applicator suit, chemical-resistant gloves, boots, and full face protection with a respirator during mixing, loading, and spray application. Remove any contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling, before eating, drinking, or using tobacco. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not re-enter treated areas until residues have dried.

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife.

DO NOT contaminate water when disposing of equipment washwater and rinsate.

DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

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 drift to blooming crops or weeds if bees are visiting the treatment area.

AVID 1.9% EC is toxic to predatory mites, which come in direct contact with spray. Use with caution in a pest management program using these beneficial arthropods.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

## **STORAGE**

Store in a tightly closed container in a cool, dry place. Do not use or store near heat or open flame. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

## **CONTAINER DISPOSAL:**

**For recyclable containers:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

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COMMERCIAL

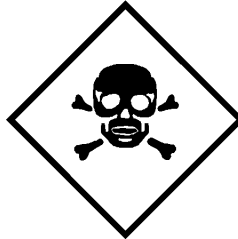
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**PAMPHLET**

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## **DIRECTIONS FOR USE**

DO NOT APPLY BY AIR.

AVID 1.9% EC Insecticide is an emulsifiable concentrate containing 19 grams of abamectin per litre which, when mixed with water according to the Directions for Use, will control leafminers and spider mites on greenhouse ornamentals, greenhouse peppers, cucumbers and tomatoes.

### **ORNAMENTALS:**

Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. For spider mites, apply when mites first appear and repeat as necessary to maintain control. For leafminers, apply as necessary to maintain control but not at less than 7-day intervals. Do not apply this product through any type of irrigation system.

<b>Pest</b>	<b>mL/100L</b>	<b>Comments</b>
Spider mites <sup>a</sup>	30	Do not apply more than 1200 mL or less than 600 mL AVID 1.9% EC Insecticide per hectare. Use in sufficient water to obtain uniform coverage.
Leafminers <sup>b</sup>	60	

a. Apply, for example, in 2000 - 4000 L of water/ha. In volumes of water below 2000 L, use a minimum of 600 mL AVID 1.9% EC Insecticide/ha. If more than 4000 L of water/ha are required for good plant coverage, apply a maximum rate of 1200 mL AVID 1.9% EC Insecticide/ha.

b. Apply, for example, in 1000 - 2000 L of water/ha. In water volumes below 1000 L, use a minimum of 600 mL AVID 1.9% EC Insecticide/ha. If more than 2000 L of water/ha are required for good plant coverage, apply the maximum rate of 1200 mL AVID 1.9% EC Insecticide/ha.

**GREENHOUSE VEGETABLES:****NOTE TO BUYER/USER: Read the following before using this product for special use applications.**

The DIRECTIONS FOR USE for this product for the control of two-spotted spider mites and leafminers on greenhouse cucumbers and tomatoes and two-spotted spider mites on greenhouse peppers were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on greenhouse peppers, cucumbers and tomatoes.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Syngenta Crop Protection Canada, Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the uses described herein.

Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Apply when spider mites first appear and repeat as necessary to maintain control. Make no more than 5 applications per crop. Do not apply this product through any type of irrigation system.

<b>Pest</b>	<b>Crop</b>	<b>mL product per 100L water</b>	<b>Comments</b>
Two-spotted spider mite	Greenhouse peppers	30	Do not apply more than 1200 mL or less than 600 mL AVID 1.9% EC Insecticide per hectare. Use in sufficient water to obtain uniform coverage <sup>a</sup> . Application is limited to between February and October and/or when daily light intensity in the greenhouse is at levels higher than 700 Joules/cm <sup>2</sup> /day.
	Greenhouse cucumbers and Greenhouse tomatoes	30	Do not apply more than 1200 mL or less than 600 mL AVID 1.9% EC Insecticide per hectare. Use in sufficient water to obtain uniform coverage <sup>a</sup> .
Leafminer ( <i>Liriomyza</i> spp.)	Greenhouse cucumbers and Greenhouse tomatoes	30	Do not apply more than 1200 mL or less than 600 mL AVID 1.9% EC Insecticide per hectare. Use in sufficient water to obtain uniform coverage <sup>a</sup> .
Tomato psyllid ( <i>Bactericerca</i> [ <i>Paratrioza</i> ] <i>cockerelli</i> )	Greenhouse tomato and peppers	30	Do not apply more than 1200 mL or less than 600 mL AVID 1.9% EC Insecticide per hectare. Use in sufficient water to obtain uniform coverage <sup>a</sup> . For greenhouse peppers, application is limited to between February and October and/or when daylight intensity in the greenhouse is at levels higher than 700 Joules/cm <sup>2</sup> /day.

a. Application should be made preferably in 2000 - 4000 L of water/ha. If volumes of water below 2000 L must be used, apply a minimum of 600 mL AVID 1.9% EC Insecticide/ha. If volumes of water greater than 4000 L of water/ha are required for good plant coverage, apply a maximum rate of 1200 mL AVID 1.9% EC Insecticide/ha.

Do not re-enter treated areas until residues have dried.

Please obey a pre-harvest interval of 3 days.

AVID 1.9% EC Insecticide has been evaluated for phytotoxicity on a wide range of ornamental plants and on greenhouse peppers, cucumbers and tomatoes. However, since all combinations for sequences of pesticide sprays including surfactants and adjuvants have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs. Phytotoxicity has been observed following the use of AVID 1.9% EC Insecticide on certain species of ferns (e.g. *Adiantum* spp) and Shasta daisies (*Leucanthemum* spp). It is, therefore, recommended that AVID 1.9% EC Insecticide not be used on ferns or Shasta daisies.

### **Resistance-Management Recommendations**

For resistance management, please note that AVID 1.9% EC Insecticide contains a Group 6 miticide/insecticide. Any insect population may contain individuals naturally resistant to AVID 1.9% EC Insecticide and other Group 6 miticides/insecticides. The resistant individuals may dominate the insect population if this group of miticides/insecticides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

#### **To delay miticide/insecticide resistance:**

Where possible, rotate the use of AVID 1.9% EC Insecticide or other Group 6 miticides/insecticides with different groups that control the same pests in a field.

It is recommended that AVID 1.9% EC Insecticide not be applied more than twice in sequence or more than 6 times per crop (annually) or per year for perennials.

Use tank mixtures with miticides/insecticides from a different group when such use is permitted.

Miticide/insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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