



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

93930-59

Date of Issuance:

9/22/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

AVALAIRE ABAMECTIN 0.15 LV

Name and Address of Registrant (include ZIP Code):

Kristen Cianni  
 Regulatory Specialist  
 Avalaire, LLC  
 1204 Village Market Place, #173  
 Morrisville, NC 27560

**Note:** 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.


On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Sincerely,   
 Gene Benbow, Product Manager 7  
 Invertebrate & Vertebrate Branch 3  
 Registration Division (7505P)  
 Office of Pesticide Programs

Date:

9/22/21

2. You are required to comply with the data requirements described in the DCI Order identified below:

- a. Abamectin GDCI-122804

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 93930-59.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under 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. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 05/27/2021

If you have any questions, please contact Ralph Narain by phone at 703-347-8750, or via email at [Narain.Ralph@epa.gov](mailto:Narain.Ralph@epa.gov).

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language]  
[Note to reviewer: {Text} in braces denotes where in the final label text will appear]  
{BOOKLET FRONT PANEL LANGUAGE}

**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	GROUP	<b>6</b>	INSECTICIDE
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## Avalaire Abamectin 0.15 LV<sup>[TM]</sup>

[Alternate Brand Name: Altrek 0.15 LV]

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Abamectin (CAS: 65195-55-3 and 65195-56-4).....	2.0%
<b>OTHER INGREDIENTS:</b> .....	<b>98.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

Contains 0.15 lb. of abamectin per gallon.

Contains abamectin, the active ingredients used in [Agri-Mek® 0.15 EC] [&] [Avid® 0.15 EC].

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

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.)

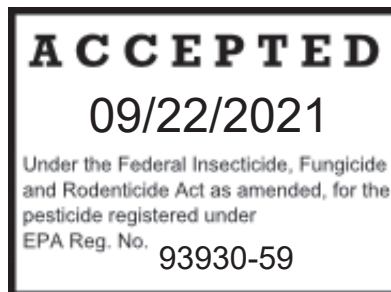
See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 93930-XXX

EPA Est. No.:

Net Contents:

Manufactured for:  
**Avalaire, LLC**  
1204 Village Market Place #173  
Morrisville, NC 27560



Avalaire Abamectin 0.15 LV is not manufactured, or distributed by Syngenta Crop Protection, LLC, seller of [Agri-Mek® 0.15 EC] [&] [Avid® 0.15 EC].

## {LANGUAGE INSIDE BOOKLET}

<b>FIRST AID</b>	
<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 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>HOT LINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

**For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical resistant gloves such as barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, natural rubber  $\geq$  mils, polyethylene, polyvinylchloride (PVC)  $\geq$  mils, or Viton  $\geq 14$  mils,
- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter OR NIOSH-approved elastomeric particulate respirator with any R or P filter OR a NIOSH-approved powered air purifying respirator with HE filters.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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. Wash hands thoroughly with soap and water after handling.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into 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.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

### **Physical or Chemical Hazards:**

Do not use or store near heat or open flame.

Do not use with or store near any oxidizing or reducing agents.

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm.

### **DIRECTIONS FOR USE Restricted Use Pesticide**

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 State or Tribal 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. Exception: For grape girdling, cane turning, and tying in grapes, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 days**

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:

- Long-sleeve shirt and long pants,
- Shoes plus socks,
- Chemical resistant gloves made out of: barrier laminate or butyl rubber  $\geq 14$  mils.

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

### PRODUCT INFORMATION

Thorough coverage is essential for good mite and insect control on crops.

**Do not apply Avalaire Abamectin 0.15 LV by aerial application in New York State.**

**Avalaire Abamectin 0.15 LV** is an emulsifiable concentrate that will control certain pests on the crops listed on this label when applied according to the Directions for use.

**Avalaire Abamectin 0.15 LV** has been tested for phytotoxicity and has a wide margin of safety on a variety of crops. **Avalaire Abamectin 0.15 LV** has also been shown to be compatible with many commonly used pesticides, crop oils, and nutritional sprays. However, since it is not possible to test a large number of possible mixtures, the user should pre-test to assure the physical compatibility and lack of phytotoxicity effect of any proposed mixtures with **Avalaire Abamectin 0.15 LV**.

### CHEMIGATION:

Do not apply this product through any type of irrigation system.

### RUNOFF PREVENTION

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

## **Mandatory Spray Drift**

### Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must not exceed 65% of the wingspan for fixed wing aircraft or 75% of the rotor diameter for helicopters. Otherwise, the boom length must not exceed 75% of the wingspan for fixed wing aircraft or 90% of the rotor diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Airblast applications:

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- User must turn off outward pointing nozzles at the row end and when spraying the outer row.
- Do not apply during temperature inversions.

### Ground Applications

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

## **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

## **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size - Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### **Controlling Droplet Size - Aircraft**

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### **BOOM HEIGHT - Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **RELEASE HEIGHT - Aircraft**

Higher release heights increase the potential for spray drift.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Boom-less Ground Applications**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications**

Take precautions to minimize spray drift.

## **RESISTANCE MANAGEMENT**

For resistance-management, **Avalaire Abamectin 0.15 LV** contains a Group 6 insecticide. Any insect population may contain individuals naturally resistant to **Avalaire Abamectin 0.15 LV** and other Group 6 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take the following steps:



- Rotate the use of **Avalaire Abamectin 0.15 LV** or other Group 6 insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of **Avalaire Abamectin 0.15 LV** per season.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- 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 your Atticus, LLC representative at 984-465-4800.

## CROP USE DIRECTIONS

### APPLE

For control of white apple leafhopper, tentiform leafminers, European red mites, two-spotted spider mites, and McDaniel spider mites (Ground Application Only)

Pests	For Dilute Sprays <sup>1</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/100 gals.	For Concentrate Sprays <sup>2</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two-spotted spider mite McDaniel spider mite European red mite Tentiform leafminers White apple leafhopper	2.5 – 5.0	10 – 20
Horticultural Spray Oil* (For best results, use oil with <b>Avalaire Abamectin 0.15 LV</b> )	0.25% or 1 gal./A	Minimum of 1 gal./A

\*Not a dormant oil

<sup>1</sup> The rate of **Avalaire Abamectin 0.15 LV** 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 may result in use of less than 10 fl. oz./A on small trees.

#### Application Instructions:

- Apply **Avalaire Abamectin 0.15 LV** using conventional dilute or concentrate ground sprayers calibrated to deliver sufficient water for thorough coverage. Gallonage 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.
- For best results, apply in combination with horticultural spray oil (not a dormant oil) as directed. Applications without horticultural spray oil\* may result in reduced efficacy and/or residual control.
- Do not graze treated orchards.
- For best results, use **Avalaire Abamectin 0.15 LV** in combination with a horticultural spray oil\* approved for use on apples. Apply **Avalaire Abamectin 0.15 LV** when spider mite or insect thresholds are reached. A second application may be made if necessary to maintain control.
- **White Apple Leafhopper (Not for use west of the Rocky Mountains):** Application of **Avalaire Abamectin 0.15 LV** is limited only to first generation white apple leafhopper. Apply soon after petals fall in combination with horticultural spray oil\*.
- **Spider Mites:** For best results, apply before a threshold of 5 spider mites per leaf is reached. Residual spider mite control with **Avalaire Abamectin 0.15 LV** in combination with Horticultural spray oil\* is greater from spray deposits on newer leaves compared to older. Limit applications of **Avalaire Abamectin 0.15 LV** for spider mite control to a period extending from petal fall through six weeks following petal fall.
- **Tentiform Leafminers:** For best results, apply against egg (to control new hatch) and early sap feeder stages of first and second generation tentiform leafminers when locally established thresholds have been reached. Do not apply during bloom.

#### Use Restrictions – Apples:

- Do not exceed 20 fl. oz. of **Avalaire Abamectin 0.15 LV** per acre per application or 40 fl. oz./A in a growing season of this or any other foliarly applied Abamectin containing product.
- Do not make more than 2 applications per growing season of this or any other foliarly applied Abamectin containing product.

- Do not apply in less than 40 gals. of water per acre.
- If a second application is necessary, do not retreat within 21 days.
- Do not apply within 28 days of harvest.
- Do not apply by aircraft.
- **Avalaire Abamectin 0.15 LV**, in combination with horticultural spray oil\*, may cause fruit injury to certain varieties of apples, e.g.; russetting on light-skinned varieties such as Golden Delicious, when used alone or when other products are applied sequentially. The Directions for Use and Precautions on horticultural spray oil labels, as well as precautions in official spray guides should be followed carefully when using **Avalaire Abamectin 0.15 LV** in combination with horticultural spray oil (not a dormant oil). Do not graze treated orchards.

## Avocados

### For control of Avocado thrips.

Application Rates

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Avocado thrips ( <i>Scirtothrips perseae</i> )	10.0 – 20.0 Do not use less than 10 fl. oz. of <b>Avalaire Abamectin 0.15 LV/A</b>
Horticultural oil (not a dormant oil)	Minimum 1 – 4 % v/v

#### Application Instructions:

**Note:** **Avalaire Abamectin 0.15 LV** may be applied using ground application equipment or aircraft. Aerial application is permitted because of its importance to the avocado growing industry. However, aerial application is not the preferred method of application for the best control of thrips. With aerial application, spray coverage and the resulting control of thrips is less than with ground application. For this reason, the user accepts all liability for the level and duration of control of thrips when **Avalaire Abamectin 0.15 LV** is aerially applied.

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 mite and insect control.

- For best results, apply when immature thrips are first observed but before numbers exceed 5 immature thrips per leaf/fruit. Use 10-15 fl. oz. of product/A for low<sup>1</sup> to moderate<sup>1</sup> infestations and 15-20 fl. oz. of product/A for high<sup>1</sup> or severe<sup>1</sup> infestations. Add a 1.0% - 4% NR (narrow range) 415 oil in combination with a horticultural spray oil (not a dormant oil) approved for use on avocados.
- Make a second application, if needed, to maintain control, but wait at least 30 days after the first application to retreat. **(See Use Restrictions)**
- **For Ground Application:** If spray volume is greater than 400 gals./A, apply **Avalaire Abamectin 0.15 LV** at a rate of 2.5 fl. oz. per 100 gals. of water plus 1.0% - 4.0% of an NR 415 oil.

**Note:** To prevent crop injury, observe all precautions and restrictions on the oil label. When using oil concentrations above 2.0% treat a small test area before making a large-scale application.

<sup>1</sup> Thrips Infestation Level	Number of Immature Thrips per Leaf/Fruit
Low	1 – 2
Moderate	3 – 4
High/Severe	More than 5

#### Use Restrictions – Avocados:

- Do not apply within 14 days of harvest.
- Ground and aerial application permitted.
- Do not apply in less than 100 gals. of water with ground equipment or 50 gals. of water with aircraft.
- Do not apply more than 20 fl. oz./A per application.

- Wait at least 30 days before repeating application.
- Do not make more than 2 applications per season of this or any other foliarly applied Abamectin containing product.
- Do not apply more than 40 fl. oz./A per season of this or any other foliarly applied Abamectin containing product.
- Do not allow livestock to graze in treated orchards.

**Celeriac (*Apium graveollens*)**

For control of two-spotted spider mites.

Application Rate	
Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two-spotted spider mites	16.0

**Application Instructions:**

- **Avalaire Abamectin 0.15 LV** may be applied using conventional or concentrate sprayers calibrated to deliver sufficient water for thorough coverage of the foliage.
- For best results, use in combination with a non-ionic surfactant.
- Apply when mites first appear and repeat as necessary to maintain control.

**Use Restrictions – Celeriac:**

- Do not apply at less than 7-day intervals.
- Do not exceed 48 fl. oz./A after transplanting.
- Do not apply within 7 days of harvest.
- Do not apply in less than 20 gals. of water per acre.
- For resistance management purposes, do not make more than 2 sequential applications.

**Citrus Fruit Crops (Crop Group 10)**

For control of Asian citrus psyllid, Broad mite, Citrus bud mite, Citrus leafminer, Citrus rust mite, Citrus thrips, and Two-spotted spider mite (Ground Application Only).

Crops in this group are: Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Sour orange, Sweet orange, Pummelo, and Satsuma mandarin.

Pests	Application Rates	
	For Dilute Sprays <sup>1</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/100 gals.	For Concentrate Sprays <sup>2</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/A
Asian citrus psyllid	-	10-20 <sup>3</sup>
Broad mite	1.0 – 2.0	10-20 <sup>3</sup>
Citrus bud mite	1.0 – 2.0	10-20 <sup>4</sup>
Citrus leafminer	-	5-20 <sup>3</sup>
Citrus rust mite	0.5 – 2.0	5-20 <sup>3</sup>
Citrus thrips	-	10-20 <sup>5</sup>
Two-spotted spider mite	1.0 – 2.0	10-20

<sup>1</sup> The rate of **Avalaire Abamectin 0.15 LV** per 100 gals. is based on a volume of 1,000 gals./A dilute spray.

<sup>2</sup> For concentrate sprays, adjust the dosage to apply an amount/A equal to that used in full cover dilute spray.

<sup>3</sup> Ground Application: For best results, use 150 - 300 gals./A of spray mix with a minimum of 3 gal/A of horticultural spray oil\* and apply at a ground speed of 1 to 1.5 mph.

<sup>4</sup> For best results, use 500 gals./A of spray mix with a minimum of 0.5% horticultural spray oil\*.

<sup>5</sup> For best results, use 100-250 gals./A of spray mix applied to achieve outside coverage.

\* Not a dormant oil.

**Application Instructions:**

- Apply **Avalaire Abamectin 0.15 LV** with a minimum of 0.20% horticultural spray oil\* in the spray mixture or not less than 1.0 gal. of oil/A (except when specified directly below).
- **Asian Citrus Psyllid:** Apply **Avalaire Abamectin 0.15 LV** to protect newly expanding foliage flush during the spring, summer or fall. **Avalaire Abamectin 0.15 LV** will only control adults and nymphs present at the time of application.
- **Mites:** Apply when mites first appear during spring, summer, and/or fall.
- **Citrus Bud Mite:** For best results, time the spray at “bud swell”.
- **Citrus Leafminer:** Apply to protect new growth during spring, summer or fall.
- **Citrus Thrips:** Application targeted for citrus thrips will only control the current generation and must be correctly timed. Apply when economic thresholds have been reached (after egg hatch has begun – preferably early to mid-hatch).

**Ground Instructions:**

Apply using conventional dilute or concentrate. ground sprayers calibrated to deliver sufficient water for thorough coverage (or outside coverage for citrus leafminers and citrus thrips).

**Aerial Application:**

Thorough spray coverage is essential for good mite and insect control. Spray gallonage may vary depending on size and number of trees per acre as well as density of foliage.

**Use Restrictions – Citrus Fruit Crops:**

- **PHI:** Do not apply within 7 days of harvest.
- **Application Method:**
  - **To control citrus leafminer** – Ground or aerial application is permitted, however, do not apply with aircraft to citrus in California. For aerial application use a minimum of 10 gallons of finished spray volume per acre. 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.
  - **All other pests** – Ground application only. Do not apply with aircraft.
- **Prohibited Use:** To manage resistance do not use in citrus nurseries.
- **Application Interval:** Wait at least 30 days before repeating application.
- **Maximum Amount per Season:**
  - **DO NOT** apply more than 40 fl. oz./A (or 0.047 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly-applied abamectin containing product in any growing season.
  - **DO NOT** make more than 3 applications in any growing season.
- **Grazing:** Do not allow livestock to graze in treated orchards.

**COTTON**

For control of two-spotted spider mites, carmine spider mites, Pacific spider mites, and strawberry spider mites.

Application Rates		
Spider Mites	Fl. Oz. Avalaire Abamectin 0.15 LV/A	
	Mid-season/Lay-by	Early Season

Two-spotted Carmine Pacific Strawberry	8 – 16	4 - 6
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**Application Instructions:**

**Avalaire Abamectin 0.15 LV** is an emulsifiable concentrate which, when mixed with water according to the Directions for Use will control spider mites (two-spotted, carmine, Pacific and strawberry) on cotton.

- Use 8-16 fl. oz. of **Avalaire Abamectin 0.15 LV** per acre depending on size of the plant and density of the foliage.
- Apply with ground sprayers or aerially by fixed-wing aircraft or helicopter in a minimum of 5 gals. of water per acre to provide thorough coverage.
- Begin application when mites are first noticed and repeat if necessary.
- For use on early season cotton, apply when cotton is under 10 inches in height. Apply at a rate of 4-6 fl. oz. of **Avalaire Abamectin 0.15 LV** per acre by ground equipment only. Do not use less than 4 fl. oz./A.

**Use Restrictions – Cotton:**

- **PHI:** Do not apply within 20 days of harvest.
- **Application Method:** Ground or aerial application is permitted.
- **Minimum Amount of Water:** Do not apply in fewer than 5 gallons of water per acre. Use sufficient volume to insure thorough coverage.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz/A (0.019 lb a.i/A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product.
- **Application Interval:** Wait at least 21 days before repeating application.
- **Maximum Amount per Season:** Do not apply more than 32 fl. oz/A (0.038 lb a.i/A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product per season.
- **Grazing Restriction:** Do not feed or allow livestock to graze treated cotton.

**Cucurbits (Crop Group 9)**

For control of spider mites and leafminers.

Crops in this group are: **Chayote, Chinese Waxgourd, Citron Melon, Cucumbers, Gherkin, Edible Gourds (including: hyotan, cucuzza, hechima, Chinese okra); Momordica spp. (including: balsam, apple, balsam pear, bittermelon, Chinese cucumber); Muskmelon, Cantaloupe, Pumpkin, Summer Squash, Winter Squash, (Squash includes: butternut squash, calabaze, hubbard squash, acorn squash, spaghetti squash); Watermelon**

**Application Rates**

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Spider mites Leafminers	8.0 – 16.0

**Application Instructions:**

- Mix with water as indicated below and apply thoroughly by ground or air as a foliar spray to ensure good upper and lower leaf coverage.
- Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.
- Apply when adult leafminer flies or spider mites are first observed and repeat applications as necessary to maintain control within constraints of a sound resistance management program.

#### Use Restrictions - Cucurbits:

- Do not exceed 48 fl. oz./A in a growing season of this or any other foliarly applied Abamectin containing product.
- Do not apply within 7 days of harvest. Do not apply at less than 7 day intervals.
- Do not apply in less than 20 gals. of water per acre by ground or less than 5 gals. of water by air.
- Do not make more than 2 sequential applications of this or any other foliarly applied Abamectin containing product.
- Do not apply by aircraft in New York State.

#### Dry Beans

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

Crops in this group are: *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), and *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 haw for use as livestock feed.

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 **Avalaire Abamectin 0.15 LV** with ground equipment or aircraft.
- For best control apply **A313.0** with ground application equipment. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application.

Application Rates

Pest	Fl. Oz. Avalaire Abamectin 0.15/A
<i>Liriomyza</i> leafminers Spider mites	8.0 – 16.0

#### Application Instructions:

- Use 8 – 12 fl. oz./A for low to moderate infestations and 13 – 16 fl. oz./A for high infestations.
- **Leafminers and Spider Mites:** Apply when adult leafminers flies or spider mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program (See **Use Restrictions**).

#### 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 this product 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 this product 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 this product or any other foliarly applied abamectin-containing product in a growing season.

**Fruiting Vegetables Crop (Crop Group 8)**

For control of Broad mite, Colorado potato beetle, *Liriomyza* leafminers, Spider mites, *Thrips palmi*, Tomato psyllid, Tomato pinworm, and Tomato russet mite.

Crops in this group are: Eggplant, Groundcherry, Pepino, Peppers (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, and Tomato

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:** Avalaire Abamectin 0.15 LV may be applied with ground application equipment or aircraft. For best control of mites, apply Avalaire Abamectin 0.15 LV 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 Avalaire Abamectin 0.15 LV is aerially applied.

**Application Rates**

Pests			Fl. Oz. Avalaire Abamectin 0.15 LV/A
Broad mite	Spider mites	Tomato russet mite	8.0 – 16.0
Colorado potato beetle	Thrips palmi		
<i>Liriomyza</i> leafminers	Tomato psyllid		
Tomato pinworm			16.0

**Application Instructions:**

- **Broad, russet, and spider mites:** Apply when mites first appear.
- **Thrips palmi:** Apply when thrips are first observed.
- **Tomato pinworm:** Application may be made from the time moth activity is detected up to, but no later than, the time when newly emerged larvae are present.
- **Leafminers:** Apply when adult flies are first observed.
- **Mites, leafminers, Thrips palmi, and Colorado potato beetle:** Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.
- Repeat application as necessary to maintain control (see **Use Restrictions**).
- **Note:** Avalaire Abamectin 0.15 LV may be used without a wetting agent. Spreading and penetrating surfactants can improve insect control when necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended. Do not use binder or sticker-type surfactants.

**Use Restrictions – Fruiting Vegetables Crop (Crop Group 8):**

- **PHI:** Do not apply within 7 days of harvest.
- **Application Method:** Ground or aerial application permitted; however, do not apply with aircraft in New York State.
- **Prohibited Use:** For resistance management, do not use on fruiting vegetables grown for transplanting.
- **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. a.i./A) of **Avalaire Abamectin 0.15 LV**, 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 sequential applications of **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** or any other foliarly-applied abamectin containing product in a growing season.

## Grapes

For control of Pacific spider mite, Two-spotted spider mite, Variegated leafhopper, Western grape leafhopper, Western grapeleaf skeletonizer, and Willamette spider mite.

Apply **Avalaire Abamectin 0.15 LV** using conventional ground sprayers calibrated to deliver sufficient water for thorough coverage. Thorough coverage is essential for good spider mite and insect control. Do not spray alternate rows. **Avalaire Abamectin 0.15 LV** must be applied to both sides of each row for maximum coverage.

Application Rates

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Pacific spider mite Two-spotted spider mite Variegated leaf hoppers Wester grape leafhopper Western grapeleaf skeletonizer Willamette spider mite	8.0 - 16.0 Plus a nonionic surfactant (see product label for rates)

### Application Instructions:

- Use 8 - 12 fl. oz./A for low to moderate infestations and 16 fl. oz. for severe infestations.
- Repeat application, if needed. (See **Use Restrictions**).
- **Note:** **Avalaire Abamectin 0.15 LV** must be applied in combination with a nonionic surfactant to improve wetting of foliage and to smooth out spray deposits. Spreading and penetrating surfactants can improve insect control. Do not use binder or sticker-type surfactants. Although **Avalaire Abamectin 0.15 LV** has been tested in combination with a nonionic surfactant for safety to grapes, it is impossible to test on all grape varieties under the variety of conditions that may cause crop injury. Therefore, when using **Avalaire Abamectin 0.15 LV** in combination with a nonionic surfactant, carefully follow the **Directions for Use** and **Precautions** on the nonionic surfactant label and in official spray guides.
- **Spider mites:** Apply when mites first appear but before motiles exceed 5 per leaf.
- **Western grapeleaf skeletonizer:** Apply **Avalaire Abamectin 0.15 LV** plus a nonionic For optimum control, apply shortly after egg hatch.
- **Leafhoppers:** Apply **Avalaire Abamectin 0.15 LV** plus a nonionic surfactant using thorough spray coverage for contact knock- down only.

### Use Restrictions – Grapes:

- **PHI:** Do not apply within **28 days** of harvest.
- **Application Method:** Ground application only.
- **Amount of Water:** Do not apply in less than 50 gals. of water/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gals. of water/A may be used, however do not use less than 5 gals. of water/A.
- **Maximum Amount per Application:** Do not apply more than 16 fl. oz./A (or 0.019 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly-applied abamectin containing product per application.

- **Application Interval:** If a second application is necessary, wait at least 21 days before repeating application.
- **Number of Applications:** Do not make more than 2 applications of **Avalaire Abamectin 0.15 LV** or any other foliarly-applied abamectin containing product per growing season.
- **Maximum Amount per Season:** Do not apply more than 32 fl. oz./A (0.038 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly-applied abamectin containing product in a growing season.
- **Grazing:** Do not allow livestock to graze in treated vineyards.

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

For control of *Liriomyza* Leafminers and Spider Mites.

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.

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

Application Rates

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV /A
<i>Liriomyza</i> leafminers	8.0 – 16.0
Spider mites	

#### Application Instructions:

- Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.
- Apply when adult leafminer flies or spider mites are first observed and repeat application, as necessary to maintain control. (See Use Restrictions.)
- **Avalaire Abamectin 0.15 LV** 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.
- **Note:** Although **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** in combination with a nonionic surfactant, carefully follow the Directions for Use and Precautions on the nonionic surfactant label and in official spray guides.

#### 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 **Avalaire Abamectin 0.15 LV** 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 this product 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 this product or any other foliarly applied abamectin containing product per year.

## Hops

For control of two-spotted spider mites (Not registered for use in California).

Application Rates

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two-spotted spider mites	8.0 – 16.0

### Application Instructions:

- Apply **Avalaire Abamectin 0.15 LV** when two-spotted spider mites reach treatment thresholds.
- Mix with water as indicated below and apply by ground equipment as a foliar spray to assure good upper and lower coverage.
- Gallonage of spray may vary with the size of plants and density of foliage. In any case, thorough coverage is essential for good control of two-spotted mites. When using concentrate sprays, the amount of water is reduced, but the amount of **Avalaire Abamectin 0.15 LV** per acre should remain the same as for dilute sprays.
- If a second application is necessary for control, do not retreat within 21 days of the first application and only after an alternative miticide with a different mode of action has been used.

### Use Restrictions – Hops:

- Do not use less than 16 fl. oz. per application or exceed 32 fl. oz./A per growing season of this or any other foliarly applied Abamectin containing product.
- Do not apply within 28 days of harvest.
- Do not apply in less than 40 gals. of water per acre.
- If a second application is necessary to maintain control, do not retreat within 21 days of the first application.
- Do not apply by aircraft.
- Do not permit livestock to graze treated hop yards.

**Note:** **Avalaire Abamectin 0.15 LV** may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, use a nonionic surfactant.

## Leafy Vegetables (except *Brassica* vegetables) Crop Group (Crop Group 4)

For Control of Carmine spider mite, *Liriomyza* leafminers, and Two-spotted spider mite.

Crops in this group are: Amaranth (leafy amaranth, Chinese spinach, tampala); Arugula (Roquette); Cardoon; Celery; Celtuce; Chervil; Chinese celery; Chrysanthemum, edible leaved and garland; Com salad; Cress, garden and upland (yellow rocket and winter cress); Dandelion; Dock (Sorrel); Endive (escarole); Florence fennel; Lettuce, head and leaf; New Zealand Spinach; Orach; Parsley; Purslane, garden and winter; Radicchio (red chicory); Rhubarb; Spinach: Vine spinach: and Swiss chard.

Application Rates

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
<i>Carmine spider mite</i>	8.0 - 16.0
<i>Liriomyza</i> leafminers	Plus a nonionic surfactant
Two-spotted spider mite	(see product label for rates)

### Application Instructions:

- 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: Avalaire Abamectin 0.15 LV** may be applied with ground application equipment or aircraft. For best control of mites, apply **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** is aerially applied.
- Use 8 – 12 oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.
- **Spider Mites:** Apply when mites first appear, and repeat as needed to maintain control (See **Use Restrictions**).
- **Leafminers:** Apply when adult flies are first observed and repeat applications as needed to maintain control (See **Use Restrictions**).

**Use Restrictions – Leafy Vegetables:**

- Do not apply within 7 days of harvest.
- Ground or aerial application permitted; however do not apply with aircraft in New York State.
- For resistance management, do not use on leafy vegetables grown for transplanting.
- 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 per acre 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.
- Wait at least 7 days before repeating application.
- Do not make more than 2 sequential applications of this or any other foliarly applied Abamectin containing product.
- Do not apply more than 48 fl. oz./A. per growing season of this or any other foliarly applied Abamectin containing product.
- Maximum application rate: 16 fl. oz./A of this or any foliarly applied abamectin containing product.

**Mint (Peppermint and Spearmint)**

For control of Two-spotted spider mite.

**Application Rates**

<b>Pests</b>	<b>Fl. Oz. Avalaire Abamectin 0.15 LV/A</b>
Two-spotted spider mite	8.0 – 12.0

**Application Instructions:**

- Mix with water as indicated below. Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage may result in reduced control.
- Treat when mites first appear.
- For optimum control, a nonionic surfactant or organosilicone-based surfactant should be used at the manufacturer's specified rate.

**Use Restrictions – Mint:**

- Do not apply within 28 days of harvest.
- Ground or aerial application permitted; however **do not apply with aircraft in New York State**.
- 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.
- Do not apply more than 12 fl. oz/A per application of this or any other foliarly applied Abamectin

containing product.

- Wait at least 7 days before repeating application.
- Do not make more than 2 sequential applications and do not apply more than 3 applications per season of this or any other foliarly applied Abamectin containing product.
- Do not apply more than 36 fl. oz./A per crop per season of this or any other foliarly applied Abamectin containing product.
- Do not allow livestock to graze or feed treated foliage to livestock.

### Onion, bulb (Crop Subgroup 3-07A)

For control of *Liriomyza* Leafminers and Thrips.

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.

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 **Avalaire Abamectin 0.15 LV** with ground application equipment or aircraft.
- For best control apply **Avalaire Abamectin 0.15 LV** with ground application equipment. With aerial application, the resulting control of leafminers and thrips could be less than with ground application.

**Application Rates**

Pests	Fl. Oz. Avalaire Abamectin 0.15 LV /A
<i>Liriomyza</i> leafminers	8.0 – 16.0
Thrips	

**Application Instructions:**

- Use 8 - 12 fl. oz./A for low to moderate infestations and 13 - 16 fl. oz./A for high infestations.
- **Leafminers:** Apply when adult leafminer flies are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program (See **Use Restrictions**).
- **Thrips:** 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 (See **Use Restrictions**). Do not use **Avalaire Abamectin 0.15 LV** as a rescue treatment for thrips control.
- **Note:** 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 **Avalaire Abamectin 0.15 LV** performance (See **Use Information** and **Use Restrictions**).

**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.3A (or 0.019 lb. a.i./A) of this product 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 **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** applications. Do not make more than 2 sequential applications of this product 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 this product or any other foliarly applied abamectin containing product in a growing season.

### Pears (including Oriental Pear Trees)

For control of two-spotted spider mites, McDaniel spider mites, European red mites, pear rust mites, yellow mites, and pear psylla (Ground Application Only).

Pests	Application Rates	
	For Dilute Sprays <sup>1</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/100 gals.	For Concentrate Sprays <sup>2</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two-spotted spider mite McDaniel spider mite European red mite Pear rust mite Yellow mite	2.5 – 5.0	10 – 20
Pear psylla	2.5 – 5.0	10 – 20
Horticultural Spray Oil*	0.25%	Minimum of 1 gal./A

\* Not a dormant oil.

<sup>1</sup> The rate of **Avalaire Abamectin 0.15 LV** 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 may result in use of less than 10 fl. oz./A on small trees.

#### Application Instructions:

- **Avalaire Abamectin 0.15 LV** may be applied using conventional dilute or concentrate ground sprayers calibrated to deliver sufficient water for thorough coverage. Gallonage 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.
- Always apply in combination with horticultural spray oil (not a dormant oil) as directed. Do not graze treated orchards.
- Use **Avalaire Abamectin 0.15 LV** with 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 (not a dormant oil) per acre in the final finished spray.

#### Use Restrictions – Pear:

- Do not exceed 20 fl. oz. of **Avalaire Abamectin 0.15 LV** per acre per application or 40 fl. oz./A in a growing season of this or any other foliarly applied Abamectin containing product.
- Do not make more than 2 applications per growing season of this or any other foliarly applied Abamectin containing product.
- Do not apply less than 40 gals. of water per acre.
- If a second application is necessary, do not retreat within 21 days of the first application.
- Do not apply within 28 days of harvest. Do not apply by aircraft.
- Do not graze treated orchards.

## Stone Fruit Crop Group (Crop Group 12)

For control of European spider mite, Pacific spider mite, and Two-spotted spider mite.

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

**Avalaire Abamectin 0.15 LV** 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.

<b>Application Rates</b>		
<b>Pests</b>	<b>For Dilute Sprays<sup>1</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/100 gals.</b>	<b>For Concentrate Sprays<sup>2</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/A</b>
European red mite Pacific Spider mite Two-spotted spider mite	2.5 – 5.0	10 – 20
Horticultural Spray Oil (not a dormant oil) OR Nonionic Surfactant	0.25% or 1 gal./A  Labeled Rate	Minimum of 1 gal./A

<sup>1</sup> The rate of **Avalaire Abamectin 0.15 LV** 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 may result in use of less than 10 fl. oz./A on small trees.

### Application Instructions:

- Apply when mites first appear.
- A second application may be made, if needed, to maintain control. (See **Use Restrictions**),
- Always apply **Avalaire Abamectin 0.15 LV** 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).
- **Note:**
  - A nonionic surfactant that spreads on and/or penetrates the leaf cuticle can improve insect control. Although **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** in combination with a non-ionic surfactant, carefully follow the **Directions for Use** and **Precautions** on the surfactant label and in official spray guides.
  - 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.

### 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 per acre.
- **Application Interval:** If a second application is necessary, do not retreat within 21 days.

- **Maximum Amount per Application:** Do not apply more than 20 fl. oz./A (or 0.023 lb. a.i./A) of Ab **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product per application.
- **Applications per Season:** Do not make more than 2 applications of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product in a growing season.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./A (0.047 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product in a growing season.
- **Grazing:** Do not allow livestock to graze in treated groves/orchards.

## Strawberries

For control of two-spotted spider mites.

Application Rates	
Pests	Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two-spotted spider mites	16.0

### Application Instructions

- Adjust spray volume and nozzle placement to assure maximum coverage of tops and undersides of leaves.
- Use 16 fl. oz. of **Avalaire Abamectin 0.15 LV** per acre. Make 2 applications 7-10 days apart when mites first appear.
- Repeat this sequence of application if necessary to maintain control.

### Use Restrictions – Strawberries:

- Do not exceed 16 fl. oz./A per application or 64 fl. oz./A in a growing season of this or any other foliarly applied Abamectin containing product.
- Do not apply within 3 days of harvest.
- For resistance management purposes, do not use in strawberry nurseries.
- Do not apply in less than 100 gals. of water per acre.
- Do not repeat treatment within 21 days of second application.
- Do not apply by aircraft.

**Note: Avalaire Abamectin 0.15 LV may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, use a nonionic surfactant.**

## Tree Nuts Crop Group (Crop Group 14) and Pistachio

For control of two-spotted spider mite, strawberry spider mite, Pacific spider mite, and European red mite (Ground Application Only).

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)

**Avalaire Abamectin 0.15 LV** 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.



Application Rates		
Pests	For Dilute Sprays <sup>1</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/100 gals.	For Concentrate Sprays <sup>2</sup> Fl. Oz. Avalaire Abamectin 0.15 LV/A
Two spotted spider mite Pacific spider mite Strawberry spider mite European red mite	2.5 – 5.0	10 – 20
Horticultural Spray Oil (not a dormant spray)	0.25% or 1 gal./A	Minimum of 1 gal./A

<sup>1</sup> The-rate of **Avalaire Abamectin 0.15 LV** 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 may result in use of less than 10 fl. oz./A on small trees.

#### Application Instructions:

- Always use **Avalaire Abamectin 0.15 LV** In combination with a horticultural spray oil (not a dormant oil) approved for use on tree nuts.
- Apply **Avalaire Abamectin 0.15 LV** when spider mites first appear. Residual spider mite control is greater from spray deposits on newer leaves compared to older leaves.
- A second application may be made, if needed, to maintain control (See **Use Restrictions**).

#### 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 per acre.
- **Application Interval:** If a second application is necessary, do not retreat within 21 days.
- **Maximum Amount per Application:** Do not apply more than 20 fl. oz./A (or 0.023 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product per application.
- **Application per Season:** Do not make more than 2 applications of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product in a growing season.
- **Maximum Amount per Season:** Do not apply more than 40 fl. oz./A (0.047 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** 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)

For control of Colorado potato beetle, *Liriomyza* leafminers, Potato psyllid, and spider mites.

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; tanager; tumeric; yam bean; and yam (true).

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:** **Avalaire Abamectin 0.15 LV** may be applied using ground application equipment or aircraft. For best control of mites, apply **Avalaire Abamectin 0.15 LV** 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 **Avalaire Abamectin 0.15 LV** is aerially applied.

#### Application Rates

Pests	Fl Oz. Avalaire Abamectin 0.15 LV/A
Colorado potato beetles <i>Liriomyza</i> leafminers Potato psyllid Spider mites	8.0 – 16.0

#### Application 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 **Avalaire Abamectin 0.15 LV** is used in combination with a sticker or binder type product.
- **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**).

#### 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 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. a.i./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 **Avalaire Abamectin 0.15 LV** 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. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product per crop.
  - For leafminers control, do not apply more than 48 fl. oz./A. (or 0.056 lb. a.i./A) of **Avalaire Abamectin 0.15 LV** or any other foliarly applied abamectin containing product per crop.
- **Grazing:** Do not allow livestock to graze or feed treated foliage to livestock.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** To prevent accidental poisoning, never store this product in food, drink or unlabeled containers. Store this product only in its original container in a secure, cool and dry storage.

**PESTICIDE DISPOSAL:** 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 the 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 HANDLING:

**Nonrefillable Container:** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling if available, or puncture and dispose of the container in sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**Returnable/Refillable Container:** Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of Avalaire, LLC. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[Avalaire Abamectin 0.15 LV] is a trademark of Avalaire, LLC  
[Agri-Mek®] [&] [Avid® 0.15 EC] is a registered trademark of Syngenta Group Company.

**{LANGUAGE ON LABEL AFFIXED TO CONTAINER}**

ABAMECTIN	GROUP	6	INSECTICIDE
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**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

**Avalaire Abamectin 0.15 LV<sup>TM</sup>**

*[Alternate Brand Name: Akrenyx]*

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Abamectin* .....	2.0%
<b>OTHER INGREDIENTS</b> .....	<b>98.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

\* CAS: 65195-55-3 and 65195-56-4  
 Contains 0.15 lb abamectin per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

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.)

FIRST AID	
<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 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>
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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

**For Chemical Emergency**

**Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night**  
**Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**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. Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

**PHYSICAL OR CHEMICAL HAZARDS:**

Do not use or store near heat or open flame. Do not use with or store near any oxidizing or reducing agents.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** To prevent accidental poisoning, never store this product in food, drink or unlabeled containers. Store this product only in its original container in a secure, cool and dry storage.

**PESTICIDE DISPOSAL:** 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 the 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 HANDLING:**

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See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:  
**Avalaire, LLC**  
 1204 Village Market Place, #173  
 Morrisville, NC 27560

**EPA Reg. No. 93930-XX**  
**EPA Est. No. \_\_\_\_\_**  
**NET CONTENTS:**