



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

89442-20

Date of Issuance:

12/22/14

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Abamectin 0.15 EC Select

Name and Address of Registrant (include ZIP Code):

Cheryl Wagner
Prime Source, LLC
c/o Wagner Regulatory Associates, Inc.
P.O. Box 640
Hockessin, DE 19707

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:

Mark Suarez, Product Manager 07
Invertebrate & Vertebrate Branch 3, Registration Division
(7505P)

Date:

12/22/14

2. You are required to comply with the data requirements described in the I DCI cpl "GF UR identified below:
 - a. Avermectin GDCI-122804-1388
d0""Cdco gevlp"GF UR/344: 26
"

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://www.epa.gov/oppsrrd1/contacts_prd.htm
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 89442-20."
5. 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 CSFs:

- Basic CSF dated 06/11/2014

If you have any questions, please contact Jessica Rogala at (703) 347-0263 or rogala.jessica@epa.gov.

Mark Suarez, Product Manager 07
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)

ACCEPTED

12/22/2014

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89442-20

Draft label initial application
89442-xxxxx.20140611.V4
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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.

Abamectin 0.15EC Select

Sub-Label A (Pages 1-30): (ABN: Abamectin 0.15EC Select CP) Miticide/Insecticide for Use on Agricultural Crops
Sub-Label B (Pages 31-36): For Use on Ornamental Plants to Suppress Aphids, Thrips and Whiteflies and Control Mites and Leafminers

GROUP	6	INSECTICIDE
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ACTIVE INGREDIENT:

Abamectin* 2.0%

OTHER INGREDIENTS: 98.0%

TOTAL: 100.0%

*CAS No. 71751-41-2; 1 gallon contains 0.15 lb. Abamectin

**KEEP OUT OF REACH OF CHILDREN
WARNING/AVISO**

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.)

[Optional referral statement: See label booklet for First Aid, Precautionary Statements and Direction for Use including Storage and Disposal instructions.]

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 a.m. to 4:30 p.m. Pacific Time or your poison control center at 1-800-222-1222 .	
NOTE TO PHYSICIAN	
<p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical absorbents (e.g., activated charcoal). If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>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.</p>	

EPA Reg. No. 89442-xx

Manufactured For:

Prime Source, LLC, 4609 E. Boonville-New Harmony Road, Evansville, IN 47725

EPA Est. No.

Net Contents:

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

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles, face shield or safety glasses.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves, such as barrier laminate or butyl rubber \geq 14 mils
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

For terrestrial uses: Do not apply 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.

Attention: This product contains a chemical 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 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:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber \geq 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear

INJURY TO CROPS, INSUFFICIENT CONTROL OF PESTS AND/OR ILLEGAL RESIDUES CAN RESULT IF THIS LABEL IS NOT FOLLOWED CAREFULLY.

PRODUCT INFORMATION

Apply Abamectin 0.15EC Select in accordance with these label directions to control listed pest species on specified crops. Abamectin 0.15EC Select is an emulsifiable concentrate. Foliage must be covered thoroughly with application solution for effective pest control.

Phytotoxicity

Phytotoxicity to Abamectin 0.15EC Select has been tested on listed crops. Not all combinations of this product with various mix partners (such as other pesticides, crop oils, nutritional sprays,

etc.), so any solutions should be pre-tested prior to making a broader application, to ensure physical compatibility and to assess the potential for damage to crops.

New York State Restriction: Do not apply Abamectin 0.15EC Select with aircraft in New York State.

Chemigation

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

Resistance Management

Abamectin 0.15EC Select, which contains abamectin, should be applied in a resistance management program. Pests can develop resistance to pesticides, which render treatment ineffective. If strains of pests develop a tolerance to this product, the effectiveness of treatment with Abamectin 0.15EC Select can be reduced. It is important to implement a resistance management strategy with Abamectin 0.15EC Select in order to control labeled pests that will produce multiple generations in a plant or in a year. Resistance management measures to consider:

- Vary products with alternative modes of action
- Avoid use of the same product or mode of action to treat subsequent generations of labeled pests
- Correct use of products in accordance with product labels (correct use rates, application intervals etc.)
- Use of non-chemical pest management measures e.g., beneficial arthropods, plant rotation between vulnerable and less affected plants, beneficial cultural practices

Refer to your State Cooperative Extension Service for more on resistance management strategies and implementation.

SPRAY DRIFT

Responsibility

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions.

NOTE: When states have more stringent regulations, they must be observed.

Spray Drift Precautions for Application with Aircraft or Ground Application Equipment

- Apply Abamectin 0.15EC Select only when wind velocity favors on-target product deposition (approximately 3 to 10 mph).
- Do not apply with ground application equipment within 25 ft. of or with aircraft within 150 ft. of lakes, reservoirs, rivers, permanent streams, marshes, pot holes, natural ponds, estuaries, or commercial fish farm ponds.
- Do not cultivate within 25 ft. of the aquatic area to allow growth of a vegetative filter strip.
- Do not allow this product to drift onto non-target areas. Drift may result in illegal residues or injury to non-target species. Risk of exposure to sensitive areas can be reduced by applying this product when the wind direction is away from the sensitive area.
- Do not apply when the weather conditions may cause drift.

- Avoid application when the temperature is high and/or the humidity is low. These conditions increase the evaporation of spray droplets and the likelihood of drift to aquatic areas.
- Do not apply when wind speed or wind gusts are greater than 15 mph.
- Do not apply when wind speed is below 2 mph because wind direction will vary and there is a high potential for inversion.
- Observe the following precautions when using ground application to spray tree crops or hops in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish ponds:
 - Do not apply Abamectin 0.15EC Select when weather conditions favor drift to aquatic areas.
 - Do not apply within 110 ft. upwind of aquatic areas or when wind speed is above 8 mph.
 - Spray last 3 rows windward of aquatic areas using nozzles on one side only, with spray directed away from the aquatic areas.
 - Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.

Spray Drift Precautions for Aerial Application

Drift Management Requirements

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops.

Outermost Nozzle Distance

The distance of the outermost nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.

Nozzle Direction

Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Maximum Wind Speed

Do not apply when wind speed is greater than 15 mph.

Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity, and Temperature Inversions**).

Controlling Droplet Size

Volume

Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure

Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles

Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation

Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type

Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 ft. above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a cross wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind.

Wind

Drift potential is lowest between speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

To compensate for evaporation when applying Abamectin 0.15EC Select in low relative humidity, set up equipment to produce larger droplets. Evaporation of droplets is most severe when conditions are both hot and dry.

Temperature Inversions

Abamectin 0.15EC Select must not be applied during a temperature inversion because the potential for drift is high. Temperature inversions restrict vertical air mixing, and this causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds that are common during inversions.

Temperature inversions are characterized by temperatures that increase with altitude and are common on nights with limited cloud cover and light to no wind. Inversions begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, the movement of smoke from a ground source or an aircraft smoke generator can also identify inversions. 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.

CROP USE DIRECTIONS

APPLES

Apply Abamectin 0.15EC Select to apple trees by ground application (either conventional dilute or concentrate sprayers) to control listed pests.

Pests controlled:

European red mite	McDaniel spider mite	Twospotted spider mite
Tentiform leafminer	White apple leafhopper*	

*Not for use West of Rocky Mountains against White apple leafhopper.

Application Rate

For use against listed species:

- **Dilute spray:** 2.5 – 5.0 fl. oz./100 gals. – based on a volume of 400 gals. spray per acre.
- **Concentrate spray:** 10 – 20 fl. oz./A - or concentrate spray rate can also be determined by establishing the amount of product that would be used for a dilute spray. The same amount of product can be used in a concentrate spray to cover an equivalent apple orchard. A rate less than 10 fl. oz./A could be determined for use on small trees.

Application Instructions

Apply Abamectin 0.15EC Select to apple orchards via ground application in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver a sufficient volume of water to thoroughly cover foliage. Application should begin when pest thresholds are reached. If needed for control of pests, a second application of Abamectin 0.15EC Select can be made. Complete coverage of foliage is necessary for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

Mites:

- Application before 5 red mites or spider mites per leaf is observed will give best results.
- Apply Abamectin 0.15EC Select from petal fall to 6 weeks after petal fall.

Tentiform Leafminer:

- Observe locally established pest thresholds, for best results.
- To control new hatch, apply to eggs. Also apply to early sap feeder stages of first and second generation tentiform leafminers.
- **Do not** apply during bloom.

White Apple Leafhopper (Not for use west of Rocky Mountains):

- Apply to first generation white apple leafhopper only.
- Apply after petal fall, mixed with a horticultural spray oil (not a dormant oil).

Horticultural Spray Oil

Applying Abamectin 0.15EC Select with horticultural spray oil (not a dormant oil) gives optimum results. Without horticultural spray oil (not a dormant oil), user could experience decreased effectiveness and/or reduced residual activity.

- For dilute applications, apply 0.25% or 1 gal./A horticultural spray oil to spray mixture.
- For Concentrate applications, apply a minimum of 1 gal./A.

Precautions:

- When mixing with a horticultural spray oil, carefully follow precautions and directions on the spray oil's label, as well as precautions and directions on Abamectin 0.15EC Select label, to avoid injury to crops [as an example, apply Abamectin 0.15EC Select plus horticultural oil more than 14 days before or after application of a product containing Captan® to avoid injury and possible loss of crops.
- Some apple varieties may be injured by applications of Abamectin 0.15EC Select plus horticultural spray oil, either alone or in sequence with other products. Light skinned varieties, such as Golden Delicious can be particularly susceptible to russetting. Note that residual spider mite control obtained when mixing Abamectin 0.15 EC Select with a horticultural spray oil will be better on newer foliage vs. older.
- Apply Abamectin 0.15EC Select in a minimum of 40 gals. of water per acre.
- Apply via ground application only.

Restrictions:

- **Do not** use treated groves/orchards for grazing.
- **Do not** apply more than 20 fl. oz./A of Abamectin 0.15EC Select (0.023 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per application.
- **Do not** apply more than 40 fl. oz./A of Abamectin 0.15EC Select (or 0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15EC Select via aerial application to apple orchards or trees.
- **Do not** make more than 2 applications of Abamectin 0.15EC Select or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 28 days.
- **Do not** apply with aircraft.

AVOCADOS

Apply Abamectin 0.15EC Select to avocados by ground application or aerial application in order to control avocado thrips.

Application Rate: 10 – 20 fl. oz./A

- **Low to Moderate Infestations:** 10 – 15 fl. oz./A
- **Severe Infestations:** 15 - 20 fl. oz./A

Low infestation: 1-2 immature thrips per leaf or fruit.

Moderate infestation: 3-4 immature thrips per leaf or fruit.

Severe infestation: 5 or more immature thrips per leaf or fruit.

Do not use less than 10 fl. oz./A of Abamectin 0.15EC Select.

For ground application - If spray volume is greater than 400 gals. per acre, apply 2.5 fl. oz./100 gals. of water, plus 1.0-4.0% of a horticultural spray oil (not a dormant oil) labeled for use on avocados.

Application Instructions

Apply Abamectin 0.15EC Select to avocados via ground application or aerial application, using listed application rate, with sprayers calculated to deliver a sufficient volume of water to thoroughly cover foliage. Apply when immature thrips are first observed, but before numbers exceed 5 immature thrips per fruit/leaf, when immature thrips are first seen on plants. If needed for control of avocado thrips, a second application of Abamectin 0.15EC Select can be made. Complete coverage of foliage is necessary for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

NOTE: Aerial application is less effective than ground application in controlling thrips. If Abamectin 0.15EC Select is applied by air, the user is solely responsible for any reduced control of thrips or any reduction in the duration of control of thrips.

Precautions:

- When mixing with a horticultural spray oil, follow precautions and directions on the spray oil's label, as well as precautions and directions on Abamectin 0.15EC Select label.
- When applying horticultural spray oil in a concentration exceeding 2%, apply the combination in a small test area prior to full application.

Restrictions

- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 100 gals. of water per acre.
- **Aerial application:** Apply Abamectin 0.15EC Select in a minimum of 50 gals. of water per acre.
- **Do not** use treated avocado orchards for grazing.
- Make a second application if needed to maintain control, but observe a minimum treatment interval of 30 days between applications.
- **Do not** make more than 2 applications of this product or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply more than 20 fl. oz./A of Abamectin 0.15EC Select (0.023 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** apply more than 40 fl. oz./A of Abamectin 0.15EC Select (or 0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year. Preharvest interval is 14 days.

CELERIAC (*APIUM GRAVEOLLENS*) – Ground Application Only

Apply Abamectin 0.15EC Select to celeriac by ground application (either conventional dilute or concentrate sprayers) to control two spotted spider mite.

Application Rate: 16 fl. oz./A.

Application Instructions

Apply Abamectin 0.15EC Select to celeriac via ground application in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver an adequate volume of water to thoroughly cover crop canopy. Reduced control may result if coverage is insufficient. If needed for control of pests, a second application of Abamectin 0.15EC Select can be made.

Two-spotted spider mites:

- Apply Abamectin 0.15EC Select when mites are first seen.
- For optimal effectiveness, combine Abamectin 0.15EC Select with a non-ionic surfactant.

Restrictions:

- Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre.
- Make a repeat application if needed to maintain control, but observe a minimum treatment interval of 7 days between applications.
- Do not make more than 2 sequential applications of Abamectin 0.15EC Select or any other foliarly applied abamectin-containing product.
- Following transplant, do not exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (or 0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Apply Abamectin 0.15EC to celeriac with ground application equipment only.
- Preharvest interval is 7 days.

CITRUS FRUIT CROP GROUP (CROP GROUP 10)

(Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Sour orange, Sweet orange, Pummelo, and Satsuma mandarin)

Apply Abamectin 0.15EC Select to citrus by ground application (either conventional dilute or concentrate sprayers) or aerial application* to control listed pests.

*Aerial application can only be used for control of citrus leafminer. **Do not** apply Abamectin 0.15 EC Select by air to citrus in California.

Pests controlled:

Broad mite	Citrus bud mite	Citrus rust mite
Twospotted spider mite	Citrus thrips	Asian citrus psyllid
Citrus leafminer*		

Application Rate

For use against listed species:

- **Dilute spray** (based on a spray volume of 1,000 gals./A)
 - 1.0 – 2.0 fl. oz./100 gals. – broad mite, citrus bud mite, or twospotted spider mite
 - 0.5 – 2.0 fl. oz./100 gals. – citrus rust mite
- **Concentrate spray***:
 - 10 – 20 fl. oz./A – Asian citrus psyllid, broad mite, citrus bud mite, citrus thrips, or twospotted spider mite
 - 5 – 20 fl. oz./A – citrus leafminer or citrus rust mite

*Concentrate spray rate can also be determined by establishing the amount of product that would be used for a dilute spray.

Application Instructions

Apply Abamectin 0.15EC Select to citrus groves via ground application (or aerial application to control citrus leafminer) in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver a sufficient volume of water to completely cover foliage, or, for Asian citrus psyllid, citrus leafminer or citrus thrips, to give thorough outside coverage. If needed for control of pests, subsequent applications of Abamectin 0.15EC Select can be made. Coverage of foliage is necessary for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

Broad Mite, Citrus bud mite, Citrus Rust Mite, Twospotted Spider Mite:

- Apply in the fall, spring or summer when mites first appear.
- For optimal control of citrus bud mites, apply at bud swell.
- For optimal concentrate spray application to broad mite and citrus rust mite, apply 3 gals./A of horticultural oil (not a dormant oil) in 150 – 300 gals./A spray mixture at a ground speed of 1 – 1.5 mph.
- For optimal concentrate spray application to citrus bud mite, apply 0.5% minimum horticultural oil (not a dormant oil) in at least 500 gals./A spray mixture.

Citrus Thrips:

- Apply this product for control of citrus thrips once economic thresholds have been attained (i.e., after egg hatch begins, preferably early to mid-hatch).
- Treatment must be timed correctly, as application will only control the current generation of citrus thrips.
- For best results, apply 100 – 250 gals./A of spray mixture to outside coverage.

Citrus Leafminer:

- Apply this product to safeguard new growth in the fall, spring or summer.
- When treating by air apply a minimum of 10 gals. of spray mixture.
- For optimal concentrate spray application to citrus leafminer, apply 3 gallons per acre of horticultural oil (not a dormant oil) in 150 – 300 gals./A spray mixture at a ground speed of 1 – 1.5 mph.
- When there are extreme conditions (e.g., high temperatures, high pest populations or dense foliage), apply this product in a greater volume of water to make certain that plants receive sufficient coverage of spray solution.

Asian citrus psyllid

- Application with this product will only control nymphs and adults that are on the plant at the time of treatment.
- Apply this product to safeguard newly growing foliage flush in the fall, spring or summer.
- For optimal concentrate spray application to Asian citrus psyllid, apply 3 gallons per acre of horticultural oil (not a dormant oil) in 150 – 300 gals./A spray mixture at a ground speed of 1 – 1.5 mph.

Horticultural Spray Oil

Applying Abamectin 0.15EC Select with horticultural spray oil (not a dormant oil) can give enhanced efficacy and residual control. See section above for rates of horticultural spray oil, or:

- For dilute applications, apply 0.20% or 1 gals./A horticultural spray oil to spray mixture.
- For concentrate applications, apply a minimum of 1 gals./A.

Restrictions:

- **Do not** use treated groves/orchards for grazing.
- **Do not** apply Abamectin 0.15EC Select in citrus nurseries.
- Make a subsequent application if needed to maintain control, but observe a minimum treatment interval of 30 days between applications.
- **Do not** make more than three applications of Abamectin 0.15EC Select or any other foliarly applied abamectin product per calendar year.
- **Do not** exceed a maximum of 40 fl. oz./A Abamectin 0.15EC Select (or 0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15 EC Select via aerial application to citrus groves (except citrus leafminer).
- Citrus leafminer may be treated via ground or air application.
- **Do not** apply this product to citrus by air in California.
- Preharvest interval is 7 days.

COTTON

Apply Abamectin 0.15EC Select to cotton via aerial application or via ground application to control listed pests.

Pests controlled:

Carmines Spider mite
Strawberry Spider Mite

Pacific Spider Mite
Twospotted Spider Mite

Application Rate

For use against listed species:

- **Early Season cotton:** 4 – 6 fl. oz./A
- **All other cotton:** 8 – 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select to cotton via aerial or ground application using listed application rate, when mites are first seen. For best control, complete coverage is essential. Apply this product with ground application equipment for best coverage. Reduced control may result if coverage is insufficient.

Use the lower use rate for early season cotton that is less than 10 inches tall. When applying the lower use rate to early season cotton **West of the Rocky Mountains**, only apply with ground application to cotton that is less than 10 inches tall. Do not apply Abamectin 0.15EC Select at a use rate of less than 4 fl. oz./A. Application should begin when mites are first seen. If needed for control, a subsequent application of Abamectin 0.15EC Select can be made.

Surfactants and Wetting Agents

A wetting agent is not required. Where it is necessary to smooth out spray deposits and/or to improve foliage wetting, use a nonionic surfactant. Combining this product with surfactants that facilitate penetration and spreading may enhance control of mites. Do not combine this product with sticker-type / binder surfactants

Restrictions:

- Apply Abamectin 0.15EC Select in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- **Do not** use treated cotton for grazing.
- Observe a minimum treatment interval of 21 days between applications of this product.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per application. **Do not** exceed a maximum of 32 fl. oz./A of Abamectin 0.15EC Select (0.038 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 20 days.

CUCURBIT VEGETABLES CROP GROUP (CROP GROUP 9)

Chayote, Chinese waxgourd, Citron Melon, Cucumber, Gherkin, Edible Gourd, (includes hyotan, cucuzza, hechima, Chinese okra); *Momordica* spp., (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); Muskmelon (hybrids and/or cultivars of *Cucumis melo*) includes true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Winter Squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon (includes hybrids and/or varieties of *Citrullus lanatus*)

Apply Abamectin 0.15EC Select to cucurbit vegetables using ground application equipment or via aerial application to control listed pests.

Pests controlled:

Leafminers

Spider Mites

Application Rate

For use against listed species:

- **Low to Moderate infestations:** 8 – 12 fl. oz./A
- **Severe Infestations:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select to cucurbits, using listed application rate. Treat with Abamectin 0.15EC Select when leafminer flies or spider mites first appear. Application may be repeated to maintain control as required. For optimal control, complete coverage of the crop canopy is necessary. Reduced control may result if coverage is insufficient.

NOTE: Aerial application results in reduced spray coverage pest control when compared to ground application. The user accepts sole responsibility for the length and effectiveness of treatment when this product is applied by air.

Restrictions:

- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre.
- **Aerial application:** Apply Abamectin 0.15 EC Select in a minimum of 5 gals. of water per acre.

- Where there are extreme conditions, e.g., high temperatures, high pest populations or where foliage is dense, apply this product in enough water to make certain that plants receive sufficient coverage.
- Where subsequent application is necessary, observe a minimum treatment interval of 7 days between applications.
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product. **Do not** exceed a maximum of 16 fl. oz. per acre of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 7 days.

DRY BEANS

Including: *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 bead, fava bean); *Vigna* spp. (including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea (grown for dry seed only), crowder pea, moth bean, mung bean rice bean, southern pea, urd bean, and yardlong bean)

Apply Abamectin 0.15EC Select to dry beans via aerial application or via ground application equipment to control listed pests.

Pests controlled:

Liriomyza Leafminers

Spider Mites

Application Rate

For use against listed species:

- **Low to Moderate infestations:** 8 – 12 fl. oz./A
- **Severe Infestations:** 13 – 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select to dry beans, using listed application rate. Treat with Abamectin 0.15EC Select when leafminers or spider mites first appear. Application may be repeated to maintain control as required. It is necessary to achieve complete coverage of the crop canopy for best control of insects / mites. Reduced control may result if coverage is insufficient.

NOTE: Apply this product with ground application equipment for best coverage. Aerial application may result in reduced control of listed pests when compared with ground application.

Restrictions:

- For use on cowpeas that are grown for dry seed only.
- Treated cowpea forage must not be used for grazing and cowpea hay and forage must not be harvested for use as a livestock feed.
- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 10 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.

- **Aerial application:** Apply Abamectin 0.15EC Select in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- Where there are extreme conditions, e.g., high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- Observe a minimum treatment interval of 6 days between applications of this product
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 7 days.

**FRUITING VEGETABLES (EXCEPT CUCURBITS) CROP GROUP (CROP GROUP 8)
(Eggplant, Groundcherry, Pepino, Peppers (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, and Tomato)**

Apply Abamectin 0.15EC Select to fruiting vegetables via aerial application or via ground application equipment to control listed pests.

Pests controlled:

Broad mite	Spider mite	Tomato russet mite
<i>Liriomyza</i> leafminer	<i>Thrips palmi</i>	Tomato psyllid
Colorado potato beetle	Tomato pinworm	

Application Rate: 8 – 16 fl. oz./A

- **Low to Moderate infestations:** 8 fl. oz./A
- **Severe Infestations, and against Tomato pinworm:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15 EC Select to fruiting vegetables, using listed application rate.

Application may be repeated to maintain control as required. It is necessary to achieve complete coverage of the crop canopy for best control of pests. Reduced control may result if coverage is insufficient.

NOTE: Apply this product with ground application equipment for best coverage. Aerial application may result in reduced control of listed pests when compared with ground application. The user accepts sole responsibility for the length and effectiveness of treatment when this product is applied by air.

Thrips and Mites:

- Apply Abamectin 0.15EC Select when mites or thrips are first seen.

Tomato pinworm:

- Apply this product during the period from when moth activity is first observed to when newly emerged larvae are present (but no later than this time).

Surfactants and Wetting Agents

A wetting agent is not required. Where it is necessary to smooth out spray deposits and/or to improve foliage wetting, use a nonionic surfactant. Combining this product with surfactants that facilitate penetration and spreading may enhance control of mites. Do not combine this product with sticker-type/binder surfactants.

Restrictions:

- **Do not** apply Abamectin 0.15EC Select to fruiting vegetables that are grown for transplanting.
- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- **Aerial application:** Apply Abamectin 0.15 EC Select in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- Where there are extreme conditions, e.g. high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- Observe a minimum treatment interval of 7 days between applications of this product.
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product. **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application. **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 7 days.

GRAPES

Apply Abamectin 0.15EC Select to grapes with conventional ground spray equipment to control listed pests.

Pests controlled:

Pacific spider mite	Twospotted spider mite	Williamette spider mite
Variegated leafhopper	Western grape leafhopper	
Western grapeleaf skeletonizer		

Application Rate: 8 – 16 fl. oz./A

- **Low to Moderate infestations:** 8 – 12 fl. oz./A
- **Severe Infestations:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select to grapes, using listed application rate. Application may be repeated to maintain control as required.

Complete coverage must be achieved in order to gain control of listed pests. For optimum coverage, apply this product each side of the row, making sure to treat every row (i.e., do not spray every other row). Ensure spray equipment is calibrated so that an adequate amount of water is dispensed for complete coverage.

Pacific, Twospotted and Williamette spider mite:

- Apply Abamectin 0.15EC Select when mites are first observed but prior to exceeding 5 mites per leaf.

Variegated and Western grape leafhopper:

- Apply this product with nonionic surfactant.
- Ensure spray coverage is complete for contact knock-down only.

Western grapeleaf skeletonizer:

- Apply this product combined with a nonionic surfactant when larvae first appear.
- For best effectiveness, treat soon after egg hatch.

Surfactants and Wetting Agents

Apply Abamectin 0.15 EC Select with a nonionic surfactant to smooth out spray deposits and/or to improve foliage wetting. Combining this product with surfactants that facilitate penetration and spreading may enhance insect control. Do not combine this product with sticker-type / binder surfactants.

This product has been tested for use in grapes in combination with a non-ionic surfactant. However, it is impossible to test all varieties of grape and in all conditions that may cause crop injury. Read and follow all directions and restrictions in this label and in the non-ionic surfactant label.

Restrictions:

- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 50 gals. water per acre, unless application is with an electro-static sprayer, where a minimum of 5 gals. of water per acre must be used. Ensure there is sufficient application spray volume for thorough coverage.
- **Do not** use treated vineyards for grazing.
- Observe a minimum treatment interval of 21 days between applications of this product
- **Do not** make more than 2 applications of this product or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 32 fl. oz. per acre of Abamectin 0.15EC Select (0.038 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product
- **Do not** apply this product via aerial application to grapes. Apply with ground application equipment only.
- Preharvest interval is 28 days.

HERB CROP SUBGROUP (CROP SUBGROUP 19A) – Ground Application Only
(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)

Apply Abamectin 0.15EC Select to herbs with ground application equipment to control listed pests.

Pests controlled:*Liriomyza* leafminer

Spider mite

Application Rate

- **Low to Moderate infestations:** 8 fl. oz./A
- **Severe Infestations:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select when leafminers and mites first appear. Treat as a foliar spray and thoroughly cover both upper and lower leaves with Abamectin 0.15EC Select spray solution.

Application may be repeated to maintain control as required. For optimal control, thorough coverage of the crop canopy is essential. Reduced coverage may result if coverage is insufficient.

Surfactants and Wetting Agents

A wetting agent is not required. Where it is necessary to smooth out spray deposits and/or to improve foliage wetting, use a nonionic surfactant. Combining this product with surfactants that facilitate penetration and spreading may enhance control of mites. Do not combine this product with sticker-type / binder surfactants.

This product has been tested for use in herbs in combination with a non-ionic surfactant. However, it is impossible to test all varieties of herbs and in all conditions that may cause crop injury. Read and follow all directions and restrictions in this label and in the non-ionic surfactant label.

Restrictions:

- **Do not** use a surfactant on chives.
- **Ground application:** Abamectin 0.15EC Select must be applied in at least 20 gals. of water per acre.
- Observe a minimum treatment interval of 7 days between applications of this product.
- **Do not** make more than 2 applications of this product or any other foliarly applied abamectin-containing product per single cutting (harvest).
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year. This maximum applies to any other product containing abamectin that is applied foliarly.
- Do not apply this product via aerial application. Apply via ground application equipment only.
- Preharvest interval is 14 days, except for chives. Preharvest interval for chives is 7 days.

HOPS (Not for use in California) – Ground Application Only

Apply Abamectin 0.15EC Select to hops with ground application equipment to control Twospotted spider mite.

Application Rate: 8 – 16 fl. oz./A

Apply to hops when they are 6-8 feet tall (1/2 trellis growth) at a rate of 8 – 16 fl. oz. in at least 40 gals. of water per acre.

When hops are taller than 6 – 8 feet (have exceeded 1/2 trellis growth), use 16 fl. oz. in at least 100 gals. of water per acre.

Application Instructions

Apply Abamectin 0.15 EC Select using listed application rate. Treat as a foliar spray and thoroughly cover both upper and lower leaves with Abamectin 0.15 EC Select spray solution. Spray volume will depend on the number and size of plants in the treatment area and foliage density. For optimal control, complete coverage is essential. When applying this product as a concentrate spray, the volume in water in the application solution is reduced, but use the same amount of Abamectin 0.15EC Select per acre as a dilute spray application.

Surfactants and Wetting Agents

A wetting agent is not required. This product may be combined with a non-ionic surfactant to smooth out spray deposits and to improve foliage wetting.

Restrictions:

- **Do not** use treated hops yards for grazing.
- Observe a minimum treatment interval of 21 days between applications of this product.
- Only make a repeat application of Abamectin 0.15EC Select after applying another miticide with an alternative mode of action.
- **Do not** make more than 2 applications of this product or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** apply this product via aerial application. Apply via ground application equipment only.
- Preharvest interval is 28 days.

LEAFY VEGETABLES (EXCEPT *BRASSICA*) CROP GROUP (CROP GROUP 4)

(Amaranth (leafy Amaranth, Chinese spinach, tampala); Arugula (Roquette); Cardoon; Celery; Celtuce; Chervil; Chinese celery; Chrysanthemum, edible leaved and garland; Corn 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)

Apply Abamectin 0.15EC Select to leafy vegetables via aerial application or via ground application equipment to control listed pests.

Pests controlled:

Carmine spider mite

Twospotted spider mite

Liriomyza leafminer

Application Rate

- **Low to Moderate infestations:** 8 – 12 fl. oz./A

- **Severe Infestations:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select using listed application rate, when mites or leafminer adult flies are first seen. Application may be repeated to maintain control as required. For best effectiveness, ensure the crop canopy is completely covered with the treatment solution. Reduced control may result if coverage is insufficient.

NOTE: Apply this product with ground application equipment for optimal pest control. Aerial application may result in reduced control of mites when compared with ground application. The user accepts sole responsibility for the length and effectiveness of treatment when this product is applied by air.

Surfactants and Wetting Agents

A wetting agent is not required. This product may be combined with a non-ionic surfactant to smooth out spray deposits and to improve foliage wetting. **Do not** combine this product with sticker-type/binder surfactants.

Restrictions:

- **Do not** apply Abamectin 0.15EC Select to leafy vegetables that are grown for transplanting.
- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- **Aerial application:** This product must be applied in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- When there are extreme conditions, e.g. high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- Observe a minimum treatment interval of 7 days between applications of this product
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per growing season. Preharvest interval is 7 days.

MINT (peppermint and spearmint)

Apply Abamectin 0.15EC Select to mint as a ground or air application to control Twospotted spider mite. **Application Rate:** 8 – 12 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select when mites are first observed. For optimal control, complete coverage of the crop canopy is necessary. Reduced control may result if coverage is insufficient. Application may be repeated to maintain control as required.

Surfactants and Wetting Agents

For best control of listed pests, combine Abamectin 0.15 EC Select with an organosilicone-based or non-ionic surfactant at the rate directed by the manufacturer.

Restrictions:

- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre.
- **Air application:** Apply Abamectin 0.15EC Select in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- When there are extreme conditions, e.g. high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- **Do not** use treated foliage for grazing or feed.
- Observe a minimum treatment interval of 7 days between applications of this product
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** exceed a maximum of 12 fl. oz./A of Abamectin 0.15EC Select (0.014 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 36 fl. oz./A of Abamectin 0.15EC Select (0.042 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- Preharvest interval is 28 days.

ONIONS, BULB (CROP SUBGROUP 3-07A)

(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)

Apply Abamectin 0.15EC Select to bulb onions via aerial application or via ground application equipment to control *Liriomyza* leafminers and thrips.

Application Rate

- **Low to Moderate infestations:** 8 - 12 fl. oz./A
- **Severe Infestations:** 13 - 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select using listed application rate, when mites or leafminer adult flies first appear or thrips reach the economic threshold (as part of a thrips management program).

Make repeat applications to maintain control as required. For optimal control, complete coverage of the crop canopy is necessary. Reduced control may result if coverage is insufficient.

NOTE: Apply this product with ground application equipment for optimal pest control. Aerial application may result in reduced control of listed pests when compared with ground application.

Surfactants and Wetting Agents

Combine this product with a non-ionic activator type wetting, penetrating and/or spreading adjuvant that is labeled for use in bulb onions. Combining this product with binder/sticker type

adjuvants or products that contain them may decrease the effectiveness of treatment with Abamectin 0.15EC Select, so do not mix this product with binder/sticker type adjuvants or products containing binder sticker type adjuvants.

Restrictions:

- **Do not** apply Abamectin 0.15EC Select as a rescue treatment for control of thrips
- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre.
- **Aerial application:** Apply Abamectin 0.15EC Select in a minimum of 5 gals. of water per acre. Ensure there is sufficient application spray volume for thorough coverage.
- Where there are extreme conditions, e.g. high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- Observe a minimum treatment interval of 7 days between applications of this product
- Make 2 consecutive applications of this product 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 applications of this product. Do not make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (or 0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.

PEARS (INCLUDING ORIENTAL PEAR TREES)

Apply Abamectin 0.15EC Select to pear trees by ground application (either conventional dilute or concentrate sprayers) to control listed pests.

Pests controlled:

European red mite
Pear rust mite

McDaniel spider mite
Yellow mite

Twospotted spider mite
Pear psylla

Application Rate

For use against listed species:

- **Dilute spray:** 2.5 – 5.0 fl. oz./100 gals. – based on a volume of 400 gals. spray per acre
- **Concentrate spray:** 10 – 20 fl. oz./A - or concentrate spray rate can also be determined by establishing the amount of product that would be used for a dilute spray. The same amount of product can be used in a concentrate spray to cover an equivalent pear orchard. A rate less than 10 fl. oz./A could be determined for use on small trees.

Application Instructions

Apply Abamectin 0.15EC Select to pear orchards via ground application in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver an adequate volume of water to completely cover foliage. Commence application when mite or insect thresholds are attained. If needed for control of pests, a second application of Abamectin 0.15EC Select can be made. Complete coverage of foliage is necessary for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

Horticultural Spray Oil

Applying Abamectin 0.15EC Select with horticultural spray oil (not a dormant oil) gives optimum results. Without horticultural spray oil (not a dormant oil), user could experience decreased effectiveness and/or reduced residual activity.

- For dilute applications, apply 0.25% or 1 gal./A horticultural spray oil to spray mixture.
- For concentrate applications, apply a minimum of 1 gal./A.

Precaution:

- When mixing with a horticultural spray oil, closely follow precautions and directions on the spray oil's label, as well as precautions and directions on Abamectin 0.15EC Select label, to avoid injury to crops [for example, apply Abamectin 0.15EC Select plus horticultural oil more than 14 days before or after application of a product containing captan to avoid injury and possible loss of crops].

Restrictions:

- Apply Abamectin 0.15EC Select in a minimum of 40 gals. of water per acre.
- **Do not** use treated groves/orchards for grazing.
- Make a second application if needed to maintain control, but observe a minimum treatment interval of 21 days between applications.
- Do not make more than 2 sequential applications of Abamectin 0.15EC Select or any other foliarly applied abamectin-containing product per calendar year. This maximum applies to this product, along with any other product containing abamectin that is applied foliarly.
- **Do not** exceed a maximum of 20 fl. oz./A of Abamectin 0.15EC Select (0.023 lb. of active ingredient/acre) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 40 fl. oz./A of Abamectin 0.15EC Select (0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15EC Select via aerial application. Apply via ground application equipment only.
- Preharvest interval is 28 days.

STONE FRUIT CROP GROUP (CROP GROUP 12)

Apricot; cherry (sweet and tart); nectarine; peach; plum; plum (chickasaw, damson, and Japanese); plumcot, and prune (fresh)

Apply Abamectin 0.15EC Select to stone fruits by ground application (either conventional dilute or concentrate sprayers) to control listed pests.

Pests controlled:

European red mite

Pacific spider mite

Twospotted spider mite

Application Rate

For use against listed species:

- **Dilute spray:** 2.5 – 5.0 fl. oz./100 gals. – based on a volume of 400 gals. spray per acre
- **Concentrate spray:** 10 – 20 fl. oz./A - or concentrate spray rate can also be determined by establishing the amount of product that would be used for a dilute spray. The same amount of product can be used in a concentrate spray to cover an equivalent

stone fruit orchard. A rate less than 10 fl. oz./A could be determined for use on small trees.

Application Instructions

Apply Abamectin 0.15EC Select to stone fruit orchards via ground application in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver an adequate volume of water to completely cover foliage. Begin application when mites are first observed. If needed for control of pests, make a second application of Abamectin 0.15EC Select. For optimal control, thorough coverage is essential for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

Always apply this product with a non-ionic surfactant to spread the application and facilitate penetration of the leaf cuticle, or apply this product in combination with a horticultural oil (not a dormant oil).

Horticultural Spray Oil

Applying Abamectin 0.15EC Select with horticultural spray oil (not a dormant oil) may enhance performance, however, it may also raise the possibility of a phytotoxic reaction in fruit and/or foliage.

- For dilute applications, apply 0.25% or 1 gal./A horticultural spray oil to spray mixture.
- For Concentrate applications, apply a minimum of 1 gal./A.

Surfactants

Combining this product with surfactant that facilitates penetration of the leaf cuticle and spreading may enhance control of listed pests. This product has been tested for use in stone fruits in combination with a non-ionic surfactant. However, testing all crop varieties under all conditions that could cause crop injury is not possible. Read and follow all directions and restrictions in this label and in the non-ionic surfactant label.

Restrictions:

- Apply Abamectin 0.15EC Select in a minimum of 40 gals. of water per acre.
- **Do not** use treated orchards for grazing.
- Make a second application if needed to maintain control, but observe a minimum treatment interval of 21 days between applications.
- Do not make more than 2 sequential applications of Abamectin 0.15EC Select or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** exceed a maximum of 20 fl. oz./A of Abamectin 0.15EC Select (0.023 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 40 fl. oz./A of Abamectin 0.15EC Select (0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15 EC Select via aerial application. Apply via ground application equipment only.
- Preharvest interval is 21 days.

STRAWBERRIES

Apply Abamectin 0.15EC Select to strawberries as a ground application to control Strawberry or Twospotted spider mite.

Application Rate: 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15 EC Select as a foliar spray. For an effective application, calibrate spray nozzle and volume to thoroughly cover both upper and lower leaves with Abamectin 0.15EC Select spray solution.

Make two applications as follows:

1. First treatment when listed pests are first observed.
2. Second treatment 7-10 days later.

This application sequence may be repeated to maintain control as necessary.

Surfactants and Wetting Agents

A wetting agent is not required. Where it is necessary to smooth out spray deposits and/or to improve foliage wetting, use a non-ionic surfactant.

Restrictions:

- **Do not** apply Abamectin 0.15EC Select in strawberry nurseries.
- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 50 gals. of water per acre, unless application is with an electro-static sprayer, where a minimum of 10 gals. of water per acre must be used.
- Observe a minimum interval of 21 days after second application before repeating application.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 64 fl. oz./A of Abamectin 0.15EC Select (0.075 lb. of active ingredient/acre) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15EC Select via aerial application. Apply via ground application equipment only.
- Preharvest interval is 3 days.

TREE NUTS CROP GROUP (CROP GROUP 14) AND PISTACHIO

Almond, beech nut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert (hazelnut), hickory nut, macadamia nut, pecan, and walnuts (black and English)

Apply Abamectin 0.15EC Select by ground application (either conventional dilute or concentrate sprayers) to control listed pests.

Pests controlled:

European red mite

Pacific spider mite

Strawberry spider mite

Twospotted spider mite

Application Rate

For use against listed species:

- **Dilute spray:** 2.5 – 5.0 fl. oz./100 gals. – based on a volume of 400 gals. spray per acre.

- **Concentrate spray:** 10 – 20 fl. oz./A - or concentrate spray rate can also be determined by establishing the amount of product that would be used for a dilute spray . The same amount of product can be used in a concentrate spray to cover an equivalent tree nut orchard. A rate less than 10 fl. oz./A could be determined for use on small trees.

Application Instructions

Apply Abamectin 0.15EC Select to tree nuts via ground application in a dilute or concentrate spray, using listed application rate, with sprayers calculated to deliver an adequate volume of water to completely cover foliage. Application should begin when mites are first observed. If needed for control of pests, make a second application of Abamectin 0.15EC Select. For optimal results, thorough coverage is essential for adequate pest control. Note that the size of trees per acre, number of trees per acre and foliage density will affect the amount of spray volume that is used.

Residual mite control is more effective with spray deposits on new leaves vs. old leaves.

Horticultural Spray Oil

Apply Abamectin 0.15EC Select with horticultural spray oil (not a dormant oil) labeled for use on tree nuts.

- For dilute applications, apply 0.25% or 1 gal./A horticultural spray oil to spray mixture.
- For concentrate applications, apply a minimum of 1 gal./A.

Restrictions:

- Apply Abamectin 0.15EC Select in a minimum of 40 gals. of water per acre.
- **Do not** use treated groves/orchards for grazing.
- Make second application if needed to maintain control, but do not apply before a minimum interval of 21 days has passed between applications.
- Do not make more than 2 sequential applications of Abamectin 0.15EC Select or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** exceed a maximum of 20 fl. oz./A of Abamectin 0.15EC Select (0.023 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Do not** exceed a maximum of 40 fl. oz./A of Abamectin 0.15EC Select (0.047 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.
- **Do not** apply Abamectin 0.15EC Select via aerial application to tree nuts.
- Preharvest interval is 21 days.

TUBEROUS AND CORM VEGETABLES CROP SUBGROUP (CROP SUBGROUP 1C)

(Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava (bitter and sweet); chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; and yam (true))

Apply Abamectin 0.15EC Select to tuberous and corm vegetables via aerial application or via ground application equipment to control listed pests.

Pests controlled:

Colorado potato beetle
Potato psyllid

Liriomyza leafminer

Spider mite

Application Rate

- **Low to Moderate infestations:** 8 – 12 fl. oz./A
- **Severe Infestations:** 16 fl. oz./A

Application Instructions

Apply Abamectin 0.15EC Select using listed application rates. For best effectiveness, calibrate sprayers to ensure sufficient water is dispensed and the crop canopy is completely covered with the treatment solution. Reduced control may result if coverage is insufficient.

NOTE: For optimal effectiveness, apply Abamectin 0.15EC Select as a ground application. Aerial application is less effective than ground application in controlling mites. If Abamectin 0.15EC Select is applied by air, the user is solely responsible for any reduced control of mites or any reduction in the length of control of mites.

Colorado potato beetle:

- Apply Abamectin 0.15 EC Select when larvae are present after 50% of eggs have hatched.
- If a further application is required, limit treatment to a single generation of Colorado potato beetles per crop.
- **Do not** exceed a maximum of 2 applications per crop. See restrictions below.

Liriomyza leafminers, Spider mites:

- Apply Abamectin 0.15EC Select when mites or leafminer adult flies are first seen.
- Repeat treatment may be carried out as required to maintain control.

Potato psyllid:

- Repeat treatment may be carried out as required to maintain control.

Surfactants and Wetting Agents

For best control of listed insects and spider mites, combine Abamectin 0.15EC Select with an organosilicone-based or non-ionic surfactant at the rate directed by the manufacturer. Do not combine this product with sticker-type/binder surfactants as control of spider mite and insects may be reduced.

Restrictions:

- **Ground application:** Apply Abamectin 0.15EC Select in a minimum of 20 gals. of water per acre.
- **Aerial application:** Apply this product in a minimum of 5 gals. of water per acre.
- When there are extreme conditions, e.g. high temperatures, high pest populations or where foliage is dense, apply this product in a greater volume of water to ensure adequate coverage.
- **Do not** use treated foliage for grazing or feed.
- Observe a minimum treatment interval of 7 days between applications of this product.
- **Do not** make more than 2 sequential applications of this product or any other foliarly applied abamectin-containing product.
- **Do not** exceed a maximum of 16 fl. oz./A of Abamectin 0.15EC Select (0.019 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product in a single application.
- **Spider mite and Colorado potato beetle: Do not** exceed a maximum of 32 fl. oz./A of Abamectin 0.15EC Select (0.038 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year.

- **Leafminer:** Do not exceed a maximum of 48 fl. oz./A of Abamectin 0.15EC Select (0.056 lb. of active ingredient/A) or any other foliarly applied abamectin-containing product per calendar year. Preharvest interval is 14 days.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

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

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple 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 1/4 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. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Prime Source, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Prime Source, LLC and Seller harmless for any claims relating to such factors.

Prime Source, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under

abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Prime Source, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PRIME SOURCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Prime Source, LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF PRIME SOURCE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF PRIME SOURCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Prime Source, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Prime Source, LLC.

[EPA approval date]

Abamectin 0.15EC Select

Sub-Label B (Pages 31-36): For Use on Ornamental Plants to Suppress Aphids, Thrips and Whiteflies and Control Mites and Leafminers

GROUP	6	INSECTICIDE
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ACTIVE INGREDIENT:

Abamectin* (CAS No. 65195-56-4 and 65195-55-3)..... 2.0%

OTHER INGREDIENTS: 98.0%

TOTAL: 100.0%

*1 gal. contains 0.15 lb. abamectin

KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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.)

[Optional referral statement: See label booklet for First Aid, Precautionary Statements and Direction for Use including Storage and Disposal instructions.]

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • 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 center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 a.m. to 4:30 p.m. Pacific Time or your poison control center at 1-800-222-1222 .	
NOTE TO PHYSICIAN	
<p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical absorbents (e.g., activated charcoal).</p> <p>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 and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>In severe cases, observation 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.</p>	

EPA Reg. No. 89442-xx

Manufactured For:

Prime Source, LLC, 4609 E. Boonville-New Harmony Road, Evansville, IN 47725

EPA Est. No.

Net Contents:

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

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles, face shield or safety glasses.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves, such as barrier laminate or butyl rubber \geq 14 mils
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

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

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 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.

Attention: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber \geq 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

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

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

PRODUCT INFORMATION

Read and follow all label directions. Applying Abamectin 0.15EC Select in a manner that is inconsistent with this label may result in decreased control of listed pests or damage to plants. This product is an emulsifiable concentrate and must be mixed with an adequate amount of water and applied as a foliar spray in order to achieve acceptable coverage.

Phytotoxicity to Abamectin 0.15EC Select has been tested on a broad variety of ornamentals. Not all combinations of this product with various mix partners (such as adjuvants, surfactants or other pesticides) or series of applications of this product and other additives have been evaluated, so a test application to a portion of the plant(s) is advised prior making a broader application, to assess the potential for damage to plants.

The following species have exhibited phytotoxic effects upon application of Abamectin 0.15EC Select; therefore, **do not** use this product on Ferns (e.g., *Adiantum* spp.) or Shasta Daisy (*Leucanthemum* spp.).

Pests Suppressed	Directions
Aphids Thrips Whiteflies	Aphids, thrips and whitefly will be killed through direct contact with Abamectin 0.15EC Select application solution. Apply this product when pests first appear in the immature, young stage of development. Repeat treatment at 7 day intervals for 2-3 weeks. After initial application sequence, use different product(s) with alternative mode(s) of action to this product ¹ for a minimum of 2-3 weeks.

¹Refer to the **Resistance Management** section below.

Restrictions

- To avoid developing resistance in *Liriomyza* leafminers and mites, do not apply this product for suppression of pests listed in this table on chrysanthemums, gerbera and roses. These plants are primary

hosts of *Liriomyza* leafminers and mites. Extra applications of Abamectin 0.15EC Select to suppress pests listed in this table on chrysanthemums, gerbera and roses will increase selection pressure and may lead to greater tolerance of Abamectin 0.15EC Select on *Liriomyza* leafminers and mites. Application of this product on chrysanthemums, gerbera and roses should only be for control of leafminers and mites.

Pests Controlled	Directions
Leafminers	<p>Apply this product as required for control of leafminers.</p> <p>Repeat applications may be made in order to maintain control at intervals of 7 days or as required.</p> <p>For resistance management of <i>Liriomyza</i> leafminer, apply Abamectin 0.15EC Select a maximum of three consecutive times. Following applications of this product, rotate to treatment with a product containing the active ingredient cyromazine for 3 consecutive applications maximum. Following treatment with cyromazine, switch back to treatment with Abamectin 0.15EC Select, or another product. Base variation between products with alternative modes of action on the generation period of the <i>Liriomyza</i> leafminer so that successive generations are not treated with the same product/mode of action. See the Resistance Management section below.</p>
Mites	<p>Apply this product when mites are first observed.</p> <p>Repeat application may be made as required in order to maintain control.</p>

Combining Abamectin 0.15EC Select with a horticultural spray oil may improve residual control of listed pests. Combine horticultural spray oil at a rate of 0.5-1% of spray application solution volume for the treatment of the following:

- Christmas trees
- Field-grown woody ornamentals
- Landscape plants

A repeat application may be made in order to maintain control. Wait 7 days between repeat applications.

In order to assess plant sensitivity to oils, make a spray application to a portion of the plants and then watch for 2 weeks, prior to making a broader application to the rest of the target area. The likelihood of plant injury following treatment with horticultural oil can be increased by excesses of temperature. Read and follow the label directions of the oil product and any other ingredients in the spray application mix.

Resistance Management

If strains of pests develop a tolerance to this product, the effectiveness of treatment with Abamectin 0.15EC Select can be reduced. It is important to implement a resistance management strategy with Abamectin 0.15EC Select in order to control labeled pests that will produce multiple generations in a plant or in a year. Resistance management measures to consider:

- Vary products with alternative modes of action.
- Avoid use of the same product or mode of action to treat subsequent generations of labeled pests.
- Correct use of products in accordance with product labels (correct use rates, application intervals etc.).
- Use of non-chemical pest management measures e.g., beneficial arthropods, plant rotation between vulnerable and less affected plants, beneficial cultural practices.

Refer to your State Cooperative Extension Service for more on resistance management strategies and implementation.

Restrictions

- **Do not** apply Abamectin 0.15EC Select through an irrigation system of any type.

- **Do not** apply Abamectin 0.15EC Select to any ornamentals via aerial application.
- **Do not** apply Abamectin 0.15EC Select in citrus nurseries.

CROP USE DIRECTIONS

For application in the following:

- shadehouse, greenhouse and field-grown ornamentals
- foliage plants
- Christmas trees
- other woody ornamentals

Apply Abamectin 0.15EC Select at a minimum use rate of 8 fl. oz./A and do not exceed 16 fl. oz./A. Abamectin 0.15EC Select must be combined with an adequate amount of water in order to ensure thorough and uniform plant coverage.

Use Rate of Abamectin 0.15EC Select	Pests Controlled/Suppressed	Directions
4 fl. oz./100 gals. water	Mites: Carmine Spider Mite Eriophyid Mites: Rust Bud Mites European Red Mite Southern Red Mite Spruce Spider Mite Tarsonemid Mites: Cyclamen Broad Mites Twospotted Spider Mite	Combine the listed use rate with 200-400 gallons of water per acre. If more than 400 gallons of water are to be applied per acre, use a maximum rate of 16 fl. oz. Abamectin 0.15EC Select per acre. If less than 200 gallons of water are to be applied per acre, use a minimum of 8 fl. oz. Abamectin 0.15EC Select per acre. For control of Tarsonemid Mites, newly developing tissue may require multiple treatments.
8 fl. oz./100 gals. water	Boxwood Leafminer	Apply Abamectin 0.15EC Select when adult leafminers start egg laying in new foliage, In order to achieve control of leafminer larvae. To maintain control, additional applications can be made at intervals of 7 days, or as needed.
	<i>Liriomyza</i> Leafminers	Combine the listed use rate with 100-200 gallons of water per acre. If more than 200 gallons of water are to be applied per acre, use a maximum rate of 16 fl. oz. Abamectin 0.15EC Select per acre. If less than 100 gallons of water are to be applied per acre, use a minimum rate of 8 fl. oz. Abamectin 0.15EC Select per acre. To maintain control, additional applications can be made at intervals of 7 days, or as needed.
	Aphids Thrips Whiteflies	In order to achieve suppression, young immature pests must come into contact with the spray application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple 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 1/4 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. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

Clean up minor spills or leaks immediately and follow directions and precautions on this label. During cleanup and disposal of wastes, avoid contamination of facilities and equipment.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Prime Source, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Prime Source, LLC and Seller harmless for any claims relating to such factors.

Prime Source, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Prime Source, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PRIME SOURCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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