OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
WASHINGTON, D.C. 20460

October 22, 2025

Wess Lovell
Senior Global Regulatory Manager
Vive Crop Protection, Inc.
500 Westover Dr., #10198
Sanford, NC 27330

Subject: PRIA Label Amendment – Addition of in-furrow applications to Cotton and Soy
Product Name: VCP-11
EPA Registration Number: 89118-07
Application Date: 03/24/2024
Case Number: 483118, 607092, 607095

Dear Wes Lovell:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

Additionally, the Agency, in accordance with FIFRA, as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Abamectin Interim Decision. The Agency has concluded that your submission is also acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 FIFRA 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) lists 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Scott Campbell at campbell.scott@epa.gov.

Sincerely,

Melissa Bridges, Product Manager 07
Invertebrate and Vertebrate Branch 3
Registration Division (7505T)
Office of Pesticides Programs

Enclosure: Stamped Label

NOTE: ***{Information in {braces} is informational for the reviewer}*** **2025-10-21**
[Bracketed text is optional/interchangeable]

Note: This master label contains 2 sub-labels which bear directions for use in Commercial Agriculture, and in Turf and Ornamentals.

SUB-LABEL A: COMMERCIAL AGRICULTURE
SUB-LABEL B: TURF AND ORNAMENTALS

ABAMECTIN	GROUP 6	INSECTICIDE

RESTRICTED USE PESTICIDE

DUE TO TOXICITY TO NON-TARGET INVERTEBRATES, 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 Applicators certification.

VCP-11

[Alternate Brad Name: "Averland SM"]

Active Ingredient:	**By Wt.**
Abamectin*(CAS No. 71751-41-2).....	12.0%
Other Ingredients:	88.0%
	100.0%

*Avermectin B1a (CAS 65195-55-3) and Avermectin B1b (CAS 65195-56-4)

Contains 1.02 lb of abamectin per gallon.

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.)

This label must be in the possession of the user at the time of application.
See inside booklet for additional precautionary information and directions for use.

EPA Reg. No. 89118-7 **EPA Est. XXX-YY-Z**
Net Contents: [1, 2.5, 5, 15, 30, 130, or 265 Gallons]

Vive Crop Protection Inc.
500 Westover Dr., #10198
Sanford, NC 27330
1-888-760-0187

ACCEPTED
Oct 22, 2025
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89118-7

NOTE: ***{Information in {braces} is informational for the reviewer}***
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SUB-LABEL A: COMMERCIAL AGRICULTURE

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VCP-11

{Note to reviewer: the following text block is optional marketing language}
[VCP-11 is an insecticide/nematicide for use on the listed crops including: arugula; avocado; beans (dry and succulent); caneberries; celeriac; celtuce; citrus fruit; corn; cotton; cress (garden and upland); cucurbits; fennel; fruiting vegetables; grapes and small climbing fruit; guava; herbs; hops; leafy petiole vegetable; leafy greens; low growing berries; mint; onion (bulb and green); papaya; pineapple; pome fruits; potatoes; soybeans; stone fruits; tree nuts; tropical and subtropical small fruit; and tuberous and corm vegetables.]

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SUB-LABEL A: COMMERCIAL AGRICULTURE

FIRST AID	
If swallowed	• 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 by a poison control center or doctor. • Do not give anything to an unconscious person.
If in eyes	• Hold eyes 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Remove contaminated clothing. • Rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbants (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.

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.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency contact Chemtel Inc. in North America at 1-800-255-3924 or worldwide international at +1-813-248-0585.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinylchloride (PVC) ≥ 14 mils or viton ≥ 14 mils.
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

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SUB-LABEL A: COMMERCIAL AGRICULTURE

USER SAFETY REQUIREMENTS

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

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

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

Do not apply directly to water, or 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 foraging in or adjacent to 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.

SURFACE WATER ADVISORY

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 PREVENTION

NOTE: **{*Information in {braces} is informational for the reviewer*}**
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SUB-LABEL A: COMMERCIAL AGRICULTURE

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

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix or allow coming in contact with any oxidizing agent. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

VCP-11 must be used only in accordance with instructions on this label, in a supplemental label or in state-specific 24C labeling. Always read the entire label, including the Conditions of Sale and Limitation of Warranty and Liability.

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.

Failure to follow directions and precautions on this label may results in crop injury, poor insect control, and/or illegal residues.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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 in this labeling about personal protective equipment, restricted-entry intervals, and notification to works. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

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

- If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.
- 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.

For early entry into 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, wear:

- Coveralls.
- Shoes plus socks.
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinylchloride (PVC) ≥ 14 mils or viton ≥ 14 mils.

PRODUCT INFORMATION

VCP-11 contains the active ingredient abamectin. VCP-11 provides activity against many important crop parasitic nematodes as well as listed insects and mites. VCP-11 can be applied by sprinkler chemigation to suppress thrips. VCP-11 as an in-furrow treatment provides suppression of nematodes.

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Seed Treatment: Unless specifically restricted in the individual Crop Use Directions on this label, VCP-11 may be used in the same year abamectin is used as an at-plant seed treatment.

PRODUCT RESTRICTIONS

USE RESTRICTIONS

- **DO NOT** use to treat plants grown for transplanting. This product is not for use in nurseries, plant propagation houses, or greenhouses by commercial transplant producers on plants being grown for transplanting.
- **DO NOT** use to treat crops grown in greenhouse for harvest unless specified in the specific crop use section of this label.
- **DO NOT** use on residential landscapes or in residential areas.
- No Aerial Application in New York State.
- To avoid illegal residues while applying by foliar broadcast spray, VCP-11 MUST ALWAYS be applied with a non-phytotoxic, non-ionic activator type wetting, spreading, and/or penetrating spray adjuvant or horticultural oil (not a dormant oil). Refer to the Application and Mixing Instructions section for more details.

ROTATIONAL CROP RESTRICTIONS

This product does not have any rotation (plant-back) restriction. Areas treated by VCP-11 may be replanted with any crop as soon as practical following the last application.

RESISTANCE MANAGEMENT

VCP-11 contains the active ingredient abamectin which is a GROUP 6 INSECTICIDE/MITICIDE/NEMATICIDE and is effective against a variety of nematodes, mites, and insects.

Some insect, mite, or nematode species are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities or universities for details.

For resistance management, VCP-11 contains a Group 6 insecticide/miticide/nematicide. Any insect, mite, or nematode population may contain individuals that are inherently resistant to VCP-11 and other Group 6 insecticide/miticide/nematicides. The resistant individuals may eventually dominate the insect, mite, or nematode population if this group of insecticide/miticide/nematicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect or mite may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

To delay insecticide/miticide/nematicide resistance, take the following steps:

- Rotate the use of VCP-11 or other Group 6 insecticide/miticide/nematicides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticide/miticide/nematicides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).

- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/miticide/nematicides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Vive Crop Protection at 1-888-760-0187. You can also contact your pesticide distributor or university extension specialist to report resistance.

Maintaining Susceptibility to These Classes of Chemistry

- Avoid using Group 6 insecticide/miticide/nematicides exclusively for season long control in insect or mite species with more than one generation per crop season.
- For insect, mite, or nematode species with successive or overlapping generations, apply VCP-11 or other Group 6 insecticide/miticide/nematicides using a "treatment window" approach. A treatment window is a period of time as defined by the state of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 6 insecticide/miticide/nematicides. Do not exceed the maximum VCP-11 allowed per year.
- Following a treatment window of Group 6 insecticide/miticide/nematicides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 6 insecticide/miticide/nematicides.
- A treatment windows rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest's ability to develop resistance to these classes of chemistry.
- If resistance is suspected, do not reapply VCP-11 or other Group 6 insecticide/miticide/nematicides.

Other Insect Resistance Management (IRM) Practices

- Incorporating IPM techniques into your insect, mite, or nematode control program.
- Monitoring treated insect or mite populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticide/miticide/nematicides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

APPLICATION AND MIXING INSTRUCTIONS

VCP-11 is a suspension concentrate formulation. Shake or agitate well prior to measuring or pouring. Like most suspension concentrate formulations, VCP-11 will thicken upon standing for long periods of time. VCP-11 will revert back to an easily flowable fluid after a brief shake.

VCP-11 insecticide is designed for at-plant, and foliar applications, and must be diluted before application. Refer to Specific Use Directions for Crop Plants for pest control or suppression instructions.

Do not use strainer (nozzle screens) with a mesh designation greater than 50.

Make sure that application equipment is thoroughly cleaned and properly calibrated prior to application and thoroughly cleaned after application.

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VCP-11 can be mixed directly with water. Fill tank half full with water and begin agitation. Add VCP-11 according to crop use rate and fill up tank to intended final volume. While pouring, avoid direct contact of VCP-11 with the container wall to achieve best dispersion. Mix thoroughly to disperse and suspend the VCP-11. Maintain agitation during application and in any nurse tank or storage tank.

Do not prepare more mixture than is required for the treatment. For best results, use immediately after mixing. If the mixtures settles, agitate the mixture and assess to ensure thorough re-mixing prior to application.

The rate of application should be chosen within the label ranges for the crop being treated based on expected pest pressure. This can be determined by history and scouting of the field and whether weather conditions are expected to be favorable. Use lower rates when pest pressure is expected to be light and use higher rates when pest pressure is expected to be heavy. Application rates are generally higher in arid climates.

Unless otherwise directed by registered supplemental labeling, follow the Directions for Use in each crop group section.

Application Rate Summary Table			
fl oz Product/A	**lb abamectin/A**	**Treated Acres per Gallon Product**	**Treated Acres per 2.5 Gallon Jug of Product**
0.6	0.005	213	533
0.9	0.007	142	356
1.25	0.010	102	256
1.5	0.012	85	213
1.8	0.014	71	178
2.4	0.019	53	133
2.8	0.022	46	114
2.9	0.023	44	110
3.8	0.030	34	84
4.1	0.033	31	78
6.9	0.055	19	46
10.3	0.082	12	31

ADJUVANT REQUIREMENTS

To avoid illegal residues while applying by broadcast foliar spray, VCP-11 **MUST ALWAYS** be applied with a non-phytotoxic, non-ionic activator type wetting, spreading, and/or penetrating spray adjuvant or horticultural oil (not a dormant oil) when specified in the specific crop instructions. Non-ionic activator type wetting, spreading, and/or penetrating spray adjuvants include:

- non-ionic surfactants (NIS) with at least 75% surface active agent,
- crop oil concentrates (COC),
- vegetable oil concentrates (VOC),
- methylated seed/vegetable oils (MSO),
- organosilicones (OS) with at least 15% emulsifiers/surfactants,
- blends of these non-ionic activator type spray adjuvants.

Spray adjuvants must be compatible with VCP-11 and must be used at concentrations specified on the spray adjuvant product label directions for use for the targeted crop unless more specific directions are provided in the Directions for Use for individual crops on

this label. **Do not use binder or sticker type adjuvants because these types of adjuvants may reduce translaminar movement of the active ingredient into the plant.**

TANK MIXTURE APPLICATION

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

VCP-11 may be applied in tank mixtures with adjuvants, micronutrients, and other products approved for use on registered crops. Jar tests (or other similar methods) to ensure compatibility between products should be conducted before use.

When an adjuvant is used, it is recommended to use an adjuvant that meets the standards of the Council of Producers and Distributors of Agrotechnology (CPDA) adjuvant certification.

Tank Mixture Order of Addition Recommendation

This is the general recommendation for order of addition. Always follow any specific order of addition instructions on all the tank-mix partner labels. Jar tests (or other similar methods) to ensure order of addition compatibility between products should be conducted before use.

1. Fill tank ⅓ to ½ full with mixing diluent (water, etc.).
2. Begin tank agitation before adding any tank-mix partners.
3. Add any water conditioner/anti-foam/compatibility agents.
4. Add any products packaged in water-soluble packaging and allow to completely dissolve/disperse.
5. Add any wettable powders/flowables (DC, DS, GR, SG, SP).
6. Add any microencapsulated suspensions (ME).
7. Add any liquids and solubles (SC, SU), including VCP-11.
8. Add any emusifiable concentrates (EC).
9. Add any adjuvants.

Jar Test Procedure

Test potential mixing partners, including adjuvants, for mixing compatibility using a standard jar test or other similar method and for crop safety prior to use on a crop.

The following jar test procedure is recommended to evaluate compatibility: Following any product specific instructions for order of addition, pour the recommended proportions of the products into a suitable container, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed, or can be re-mixed readily, the mixture is considered physically compatible. If the combination does not remain mixed, or cannot be re-mixed readily, the products are not physically compatible and should not be tank-mixed together.

Do not prepare more mixture than is required for the treatment. For best results, use immediately after mixing. If the mixtures settles, agitate the mixture and assess to ensure thorough re-mixing prior to application.

INSTRUCTIONS FOR AT-PLANT APPLICATIONS

VCP-11 can be applied at-plant as an in-furrow spray or dribble. Refer to this label's specific use directions to determine if an at-plant application is labeled for a given crop and pest.

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[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

At Plant In-Furrow Application Rates (fl oz product per 1000 row ft)										
Fl oz product per acre	**Average Row Spacing (inches)**									
	15”	**20”**	**22”**	**24”**	**30”**	**32”**	**34”**	**36”**	**38”**	**40”**
2.4	0.07	0.09	0.10	0.11	0.14	0.15	0.16	0.17	0.17	0.18
2.8	0.08	0.11	0.12	0.13	0.16	0.17	0.18	0.19	0.20	0.21
3.8	0.11	0.15	0.16	0.17	0.22	0.23	0.25	0.26	0.28	0.29
4.1	0.12	0.16	0.17	0.19	0.24	0.25	0.27	0.28	0.30	0.31
6.9	0.20	0.26	0.29	0.32	0.40	0.42	0.45	0.48	0.50	0.53
10.3	0.30	0.39	0.43	0.47	0.59	0.63	0.67	0.71	0.75	0.79
IMPORTANT: The linear application rate applied affects the duration and degree of control to a large extent. Linear application rates in the shaded region in the above table may not provide early season protection to the seed and seedling. Follow all crop specific use instructions regarding maximum use rates.										
~ Linear Row Feet Calculation: 522,720 ÷ row spacing (in inches) = Row feet per acre										

INSTRUCTIONS FOR BROADCAST APPLICATIONS

VCP-11 can be applied as a spray to foliage but must be applied with an adjuvant (see the **Mixing Instructions** section). Refer to the directions for specific crops to determine if such applications are labeled for a given crop and, if so, for which pests.

Do not apply when conditions favor drift from the area intended for treatment; follow instructions under the **Spray Drift Management** section.

INSTRUCTIONS FOR CHEMIGATION APPLICATIONS

- Only apply VCP-11 by chemigation instructions as specified in specific crop direction.
- Only apply VCP-11 through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; furrow; border or drip (trickle) irrigation systems. Do not apply VCP-11 though any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Follow rates and application timings given in the specific crop instructions. Consult your local State Extension Service or other local experts for recommendations on the use of adjuvants, diluents, rates, and mixing instructions. The efficacy of VCP-11 (or other abamectin products) as a sprinkler irrigation application should be proved effective, through university and/or extension field trials.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- The chemical supply tank and injector system should be thoroughly cleaned and flushed with clean water.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR CHEMIGATION

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Any alternatives to the above mentioned required safety devices must conform to the list of EPA-approved alternative devices.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR PUBLIC WATER SYSTEMS

- Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regulatory serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve location on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Any alternatives to the above mentioned required safety devices must conform to the list of EPA-approved alternative devices.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR IRRIGATION SYSTEMS

- Follow rates and application timings given in the specific crop instructions. Consult your local State Extension Service or other local experts for recommendations on the use of adjuvants, diluents, rates, and mixing instructions. The efficacy of VCP-11 (or

other abamectin products) as a sprinkler irrigation application should be proved effective, through university and/or extension field trials.

- Check the irrigation system to ensure uniform application of final spray to all areas. Thorough coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period.
- Apply by injecting the recommended rate of VCP-11 into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1 acre-inch of water. In general, use the least amount of water required for proper distribution and coverage. It is recommended that the product be injected into the main irrigation line ahead of a right angle turn in the line to ensure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.
- In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of VCP-11 for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Application:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size according to the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators are required to use a medium or coarser droplet size according to the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size according to the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must not exceed 65% of the wingspan for fixed wing aircraft or 75% of the rotor diameter for helicopters. Otherwise, the boom length must not exceed 75% of the wingspan for fixed wing aircraft or 90% of the rotor diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not spray during temperature inversions.

Airblast Applications:

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

SPRAY DRIFT ADVISORIES

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

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

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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 is away from the sensitive area.

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

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

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

BOOM HEIGHT – Ground Boom
For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft
Higher release heights increase the potential for spray drift.

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

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

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

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

SPRAY DRIFT
Boom-less Ground Applications:
- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:
- Take precautions to minimize spray drift.

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[Bracketed text is optional/interchangeable]

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SPECIFIC USE DIRECTIONS

ARUGULA

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.

Use Directions:

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product.
- **Pre-Harvest Interval (PHI):** 7 days.

AVOCADO

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Avocado Thrips (*Scirtothrips perseae*)[1] Persea Mite (*Oligonychus perseae*)	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- Apply when immature thrips are first observed but before numbers exceed 5 immature thrips per leaf/fruit.
- Make a second application if needed to main control at a minimum of 30 days after the first application.

Use Directions:

- Do not use a rate less than 1.5 fl oz/A.
- Adjust gallons of spray per acre based on size and number of trees per acre and density of foliage. In any case, thorough coverage is essential for good mite and insect control.
- Apply this product diluted in a minimum volume of 100 gal/A by ground or 50 gal/A by air.
- With aerial application, the resulting level and duration of control of thrips could be less than with ground application.
- **For Ground Application**: If spray volume is greater than 400 gal/A, apply VCP-11 at a rate of 0.7 fl oz per 100 gallons.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Specific Pest Instructions:

- [1]**Thrips**: Number of immature thrips per leaf/fruit: 1-2 = low infestation level, 3-4 = moderate infestation level, 5 or more = severe infestation level.

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Precautions:

- When using a horticultural spray oil, or any tank mix adjuvant, follow all precautions and restrictions on the adjuvant label. Before using horticultural spray oil above 20%, treat a small test area before making a large-scale application.

Specific Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 30 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** apply more than 2 applications of VCP-11 or any other foliar-applied abamectin-containing product per year.
- **DO NOT** allow livestock to graze in treated orchards.
- **Pre-Harvest Interval (PHI):** 14 days.

BEAN, DRY AND SUCCULENT

Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); bean (*Vigna* spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea (dry seed only), crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean); broad bean (fava bean); chickpea (garbanzo bean)

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Liriomyza Leafminer Spider Mites	1.25 - 2.4 (0.010 - 0.019)

Application Timing

- **Leafminers and Spider Mites:** Apply when adult leafminer flies or spider mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program.

Use Directions:

- May be applied by ground or by aircraft.
- For best control, apply VCP-11 with ground application equipment. With aerial application, the resulting control of leafminers and spider mites could be less than with ground application.
- Use 1.25 – 1.7 fl oz/A for low to moderate infestations and 2.4 fl oz/A for high infestations.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 6 days.
- **Maximum Annual Rate** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential foliar applications of all abamectin containing products per year.
- **DO NOT** graze livestock in cowpea treated areas or feed treated cowpea forage or hay to livestock.
- **Pre-Harvest Interval (PHI):** 7 days.

CANEBERRY, CROP SUBGROUP 13-07A

Blackberry; loganberry; raspberry, red and black; wild raspberry; cultivars, varieties, and/or hybrids of these.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Spider mites	1.25 - 2.4

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

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	(0.010 - 0.019)
Broad mite	2.4 (0.019)
Application Timing: • Apply when spider mites are first observed and repeat application if needed to maintain control. **Use Directions:** • Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control. • Apply this product diluted in a minimum volume of 10 gal/A by ground or 5 gal/A by air. • Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A). • **Minimum Application Interval:** 7 days. • **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year. o **DO NOT** exceed 0.056 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). o **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product. • **DO NOT** apply from onset of flowering until petal fall is complete. • **Pre-Harvest Interval (PHI):** 7 days.	

CELERIAC (CELERY ROOT)

TARGET PEST	**USE RATES** **fl oz product/A** **(lb a.i./A)**
Two-Spotted Spider Mite	2.4 (0.019)
Application Timing • Apply when mites first appear and repeat if necessary to maintain control. **Use Directions:** • Thorough coverage of the crop canopy is essential for optimum results. Inadequate crop coverage can result in reduced control. • Apply this product diluted in a minimum volume of 20 gal/A. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A). • **Minimum Application Interval:** 7 days. • **Maximum Annual Rate (After Transplanting Celeriac):** 7.0 fl oz VCP-11/A/calendar year/ o **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar). o **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly applied abamectin-containing product. • **DO NOT** apply by air. • **Pre-Harvest Interval (PHI):** 7 days.	

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

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CELTUCE

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 – 2.4 (0.010 – 0.019)
Application Timing: • Apply when spider mites or adult 17eafminer flies are first observed and repeat application if needed to maintain control. **Use Directions:** • Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. • With aerial application, the resulting level and duration of control could be less than with ground application. • Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A). • **Minimum Application Interval:** 7 days. • **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year. o **DO NOT** exceed 0.056 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). o **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product. • **Pre-Harvest Interval (PHI):** 7 days.	

CITRUS FRUIT CROP GROUP 10-10

Australian desert lime; Australian finger lime; Australian round lime; brown river finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russel River lime; satsuma mandarin; sweet lime; 17eafminer orange; Tahiti lime; tangelo; tangerine (Mandarin); tangor; trifoliate orange; uniq fruit; including all cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Citrus Leafminer Citrus Rust Mite	0.6 – 2.9 (0.005 – 0.023)
Asian Citrus Psyllid Broad Mite Citrus Bud Mite Citrus Thrips Two-Spotted Spider Mite	1.5 – 2.9 (0.012 – 0.023)
Application Timing: • For **Asian citrus psyllid** control, apply to protect newly expanding foliage flush during the spring, summer or fall. • For **broad mite** control, apply when mites first appear during spring, summer, or fall. • **For citrus bud mite** control, time the spray at "bud swell" for best results. • For **citrus 17eafminer** control, apply to protect new growth during spring, summer, or fall. • For **citrus thrips** control, application will only control the current generation and must be correctly timed. Apply when economic thresholds have been reached (after egg hatch has begun – preferably early to mid-hatch). **Use Directions:** • Aerial application is permitted only for control of **citrus 17eafminer** and **Asian citrus psyllid**. For all other pests, apply only by ground application.	

NOTE: ***{Information in {braces} is informational for the reviewer}***
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SUB-LABEL A: COMMERCIAL AGRICULTURE

- Apply this product diluted in a minimum volume of 25 gal/A by ground or 10 gal/A by air.
- With aerial application, the resulting level and duration of control of Asian citrus psyllid and citrus 18eafminer could be reduced compared to ground application. When applying by air, use the higher end of the rate range (2.6 – 2.9 fl oz/A).
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 30 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
- **DO NOT** exceed more than 3 applications of VCP-11 or any other foliar-applied abamectin-containing product per year.
- Application of this product is prohibited from the onset of flowering until the end of the flowering period. Observe defined flowering periods as established by local university extension offices, County Agricultural Commissioners, or other state/tribal lead agencies. In areas where these authorities do not provide a declaration or definition of flowering onset and end, applications are prohibited from onset of flowering until flowering is complete.
- **DO NOT** apply by air except to control citrus 18eafminer and Asian citrus psyllid.
- **DO NOT** allow livestock to graze in treated citrus groves.
- **Pre-Harvest Interval (PHI):** 7 days.

CORN

Field corn; popcorn; sweet corn; corn grown for seed

TARGET PEST	**USE RATES**	
	fl oz product/A (lb a.i./A)	**fl oz product/1000 row ft (oz a.i./1000 row ft) @ 30" rows**
Suppression: Nematodes	2.8 - 4.1 (0.022 - 0.033)	0.16 - 0.23 (0.020 - 0.030)

Application Timing:

- For early season **nematode** suppression, apply during planting.

Use Directions:

- Apply in-furrow in a minimum of 5 gallons per acre of final volume as a spray or dribble directed on the seed during planting.
- Linear application rate is based on 30" rows. For different row spacing consult the Linear Application Rate Conversion Chart in the Instructions for At-Plant Applications section. In all cases do not exceed the maximum per acre use restriction.

Use Restrictions:

- **Maximum Single Application Rate:** 4.1 fl oz VCP-11/A (0.033 lb a.i./A) per application.
- **Maximum Annual Rate:** 4.1 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.033 lb a.i./A/calendar year as a soil application including seed or soil applications.
- **DO NOT** apply shallower than 1 inch depth.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

COTTON

TARGET PEST	USE RATES	
	fl oz product/A (lb a.i./A)	**fl oz product/1000 row ft (oz a.i./1000 row ft) @ 36" rows**
Suppression: Nematodes	2.4 - 3.8 (0.019 - 0.03)	0.16 - 0.26 (0.021 - 0.033)

Application Timing:

- For early season **nematode** suppression, apply during planting.

Use Directions:

- Apply in-furrow in a minimum of 5 gallons per acre of final volume as a spray or dribble directed on the seed during planting.
- Linear application rate is based on 36" rows. For different row spacing consult the Linear Application Rate Conversion Chart in the **Instructions for At-Plant Application**s section. In all cases do not exceed the maximum per acre use restriction.

TARGET PEST	USE RATES
	fl oz product/A (lb a.i./A)
Carmine Spider Mite Pacific Spider Mite Strawberry Spider Mite Two-Spotted Spider Mite	Early Season 0.6 - 0.9 (0.005 - 0.007) Mid-Season / Lay-By 1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when mites first appear. Repeat application, if needed, to maintain control.

Use Directions:

- Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.
- Apply this product diluted in a minimum volume of 5 gal/A by ground or air.
- With aerial application, spray coverage and the resulting level and duration of control of mites may be less than with ground application.
- **West of the Rocky Mountains** – the lower use rates may only be used on cotton less than 10 inches in height and applied only with ground equipment.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:**
  - **Soil Applications:** 3.8 fl oz VCP-11/A (0.03 lb a.i./A) per at-plant application.
  - **Foliar Applications:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per foliar application.
- **Minimum Application Interval:** 21 days.
- **Maximum Annual Rate:** 3.8 fl oz VCP-11/A/calendar year applied as soil applications and 4.8 fl oz VCP-11/A/calendar year as foliar applications.
  - **DO NOT** exceed 0.03 lb a.i./A/calendar year from all abamectin-containing products applied as seed or soil applications and 0.038 lb a.i./A/calendar year from all abamectin-containing products applied as foliar applications.
- **DO NOT** apply shallower than 1 inch depth.
- **DO NOT** feed or allow livestock to graze treated cotton.
- **Pre-Harvest Interval (PHI):** 20 days.

CRESS, GARDEN & UPLAND

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.

Use Directions:

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product.
- **Pre-Harvest Interval (PHI):** 7 days.

CUCURBIT VEGETABLES CROP GROUP 9

Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gerkin; gourd, edible (hyotan, cucuzza, hechima, Chinese okra); Momordica spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber); muskmelon (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; squash, summer (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); squash, winter (butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon; including all cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Liriomyza Leafminer Spider Mites	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when spider mites or adult leafminer flies are first observed and repeat application, if needed to maintain control.

Use Directions:

- Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.
- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.

○ Do not exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar). ○ Do not make more than 2 sequential applications of VCP-11 or any other foliarly applied abamectin-containing product. • **Pre-Harvest Interval (PHI):** 7 days.

FENNEL, FLORENCE

TARGET PEST	**USE RATES** **fl oz product/A** **(lb a.i./A)**
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)
Application Timing: • Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control. **Use Directions:** • Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air. • With aerial application, the resulting level and duration of control could be less than with ground application. • Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A). • **Minimum Application Interval:** 7 days. • **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year. ○ **DO NOT** exceed 0.056 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar). ○ **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product. • **Pre-Harvest Interval (PHI):** 7 days.	

FRUITING VEGETABLES CROP GROUP 8-10

African eggplant; bush tomato; bell pepper; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; non-bell pepper; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; including cultivars, varieties, and/or hybrids of these.

TARGET PEST	**USE RATES** **fl oz product/A** **(lb a.i./A)**
Liriomyza Leafminer Spider Mite *Thrips palmi* Tomato Psyllid Tomato Russet Mite **All crops except commercially grown greenhouse tomato:** Broad Mite Colorado Potato Beetle	1.25 - 2.4 (0.010 - 0.019)
Tomato Pinworm	2.4 (0.019)
Application Timing:	

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- For **broad, russet and spider mite control**, apply when mites first appear.
- For ***Thrips palmi*** control, apply when thrips first appear.
- For **tomato pinworm** control, application can be made from the time moth activity is detected up to, but no later than, the time when newly emerged larvae are present.
- For **thrips**, if populations are above threshold, use an effective thrips knockdown product before spraying VCP-11.

Use Directions:

- **All crops except commercially grown greenhouse tomato:**
  - Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.
  - Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
  - With aerial application, the resulting level and duration of control could be less than with ground application.
  - Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- **Commercially grown greenhouse tomato only:**
  - Apply by ground only.
  - Thorough coverage is essential for optimum results. Select a spray volume appropriate for the size of plants and density of foliage, but apply this product diluted in a minimum volume of 20 gal/A.
  - Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** Do not apply more than 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb abamectin/A/calendar year from all abamectin containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential foliar applications of all abamectin containing products per year.
- Not for use on commercially grown greenhouse tomatoes in New York State.
- **Pre-Harvest Interval (PHI):**
  - **Commercially grown greenhouse tomatoes:** 1 day.
  - **All other crops:** 7 days.

GRAPE AND SMALL CLIMBING FRUIT (EXCEPT FUZZY KIWIFRUIT) SUBGROUP 13-07F

Amur river grape; gooseberry; grape; kiwifruit, hardy; maypop; schisandra berry; including cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Pacific Spider Mite Two-Spotted Spider Mite Variegated Leafhopper Western Grape Leafhopper Western Grapeleaf Skeletonizer Willamette Spider Mite	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- **Spider mites**: Apply when mites first appear but before motiles exceed 5 per leaf.
- **Western grapeleaf skeletonizer**: Apply when larvae are first observed. For optimum control, apply shortly after egg hatch.
- **Leafhoppers**: VCP-11 provides contact knock-down only.

Use Directions:

- Thorough coverage is essential for spider mite and insect control. VCP-11 must be applied to both sides of each row for maximum coverage. Do not spray alternate rows.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. Less than 50 gal/A can be used with an electro-static sprayer; however do not use less than 5 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 21 days.
- **Maximum Annual Rate:** 4.8 fl oz VCP-11/A/calendar year
  - **DO NOT** exceed 0.038 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 applications of VCP-11 or any other foliar applied abamectin-containing product per year.
- **DO NOT** apply by air.
- **DO NOT** allow livestock to graze in treated vineyards.
- **DO NOT** apply from onset of flowering until after petal fall is complete.
- **Pre-Harvest Interval (PHI):** 28 days.

GUAVA

Acerola; feijoa; guava; jaboticaba; passionfruit; starfruit; wax jambu; cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- Apply when mites first appear during spring, summer, and/or fall.

Use Directions:

- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. Less than 50 gal/A can be used with an electro-static sprayer; however do not use less than 5 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 14 days.
- **Maximum Annual Rate:** 8.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.07 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - **DO NOT** make more than 3 applications of VCP-11 or any other foliarly abamectin-containing products per year.
- **DO NOT** apply by air.
- **Pre-Harvest Interval (PHI):** 7 days.

HERB SUBGROUP 19A

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

Angelica; balm; basil; borage; burnet; camomile; catnip; chervil (dried); chive; chive, Chinese, clary; coriander (cilantro or Chinese parsley) (leaf); costmary; cilantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marjoram (sweet or annual marjoram, wild marjoram, oregano, pot marjoram); nasturtium; parsley (dried); pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay (bay leaf); tansy; tarragon; thyme; wintergreen; woodruff; wormwood

TARGET PEST	**USE RATES** **fl oz product/A** **(lb a.i./A)**
Liriomyza Leafminer Spider Mite	1.25 - 2.4 (0.010 - 0.019)
Application Timing: • Apply when adult leafminer flies or spider mites are first observed and repeat application if necessary to maintain control. **Use Directions:** • Apply this product diluted in a minimum volume of 20 gal/A with conventional ground application equipment. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application. • **Minimum Application Interval:** 7 days. • **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year. o **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar). o **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per single harvest and cutting. • **DO NOT** apply by air. • **DO NOT** apply from onset of flowering until after petal fall is complete. • **Pre-Harvest Interval (PHI):** o **Chives**: 7 days. o **All other crops**: 14 days.	

HOPS

FOLIAR PESTS	**USE RATES** **fl oz product/A** **(lb a.i./A)**
Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)
Application Timing: • Apply VCP-11 when two-spotted spider mites reach treatment thresholds. **Use Directions:** • Thorough coverage of the upper and lower leaves is essential for optimum results. Inadequate coverage can result in reduced control. • For applications at ½ trellis growth (6-8 ft height), apply 1.25-2.4 fl oz/A diluted in a minimum of 40 gal /A. • For applications beyond ½ trellis growth, apply 2.4 fl oz/gal/A diluted in a minimum of 100 gal/A. • When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.	
Use Restrictions: • **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application. • **Minimum Application Interval:** 21 days. • **Maximum Annual Rate:** 4.8 fl oz VCP-11/A/calendar year. o **DO NOT** exceed 0.038 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).	

- **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per year.
- **DO NOT** allow livestock to graze into treated hops yards.
- **DO NOT** apply by air.
- **DO NOT** apply to hops in California.
- **Pre-Harvest Interval (PHI):** 28 days.

LEAFY PETIOLE VEGETABLES CROP SUBGROUP 22B

Cardoon; celery; celery, Chinese; fuki; rhubarb; udo; zuiki; including cultivars, varieties, and hybrids of these commodities.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.

Use Directions:

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential foliar applications of VCP-11 or any other foliarly applied abamectin containing products.
- **Pre-Harvest Interval (PHI):** 7 days.

LEAFY GREENS CROP SUBGROUP 4-16A

Amaranth, Chinese; amaranth, leafy; aster, Indian; blackjack; cat's whiskers; cham-chwi; cham-na-mul; chervil, fresh leaves; chipilin; chrysanthemum, garland; cilantro, fresh leaves; corn salad; cosmos; dandelion, leaves; dang-gwi, leaves; dillweed; dock; dol-nam-mul; ebolo; endive; escarole; flameflower; feather cockscomb; Good King Henry; huauzontle; jute, leaves; lettuce, bitter; lettuce, head; lettuce, leaf; orach; parsley, fresh leaves; plantain, buckhorn; primrose, English; purslane, garden; purslane, winter; radicchio; spinach; spinach, Malabar; spinach, New Zealand; spinach, tanier; Swiss chard; violet, Chinese, leaves; including cultivars, varieties, and hybrids of these commodities.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite *Liriomyza* Leafminer Two-Spotted Spider Mite	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- Apply when spider mites or adult leafminer flies are first observed and repeat application if needed to maintain control.

Use Directions:

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential foliar applications of VCP-11 or any other foliarly applied abamectin containing products.
- **Pre-Harvest Interval (PHI):** 7 days.

LOW GROWING BERRY SUBGROUP 13-07G

Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Carmine Spider Mite Strawberry Spider Mite Two-Spotted Spider Mite Suppression: Cyclamen Mite	2.4 (0.019)

Application Timing:

- Make 2 applications 7-10 days apart when mites first appear. Repeat this application sequence, if needed, to maintain control.

Use Directions:

- Thorough coverage of the upper and lower leaves is essential for optimum results. Inadequate coverage can result in reduced control.
- Adjust spray volume and nozzle placement to ensure maximum coverage of tops and undersides of leaves.
- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer do not use in less than 10 gal/A.
- **Cyclamen mite:** Apply in sufficient water to obtain good coverage into the crown of the plant.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 21 days after the second application.
- **Maximum Annual Rate:** 9.5 fl oz VCP-11/A/calendar year
  - **DO NOT** exceed 0.076 lb a.i./A/calendar year from all abamectin containing products including all application types (seed treatments, soil, foliar).
- **DO NOT** apply by air.
- **DO NOT** use in strawberry nurseries.
- **Pre-Harvest Interval (PHI):** 3 days.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

MINT (PEPPERMINT, SPEARMINT)

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Two-Spotted Spider Mite	1.25 - 1.8 (0.010 - 0.014)

Application Timing:

- Treat when spider mites first appear.

Use Directions:

- Thorough coverage of the crop canopy is essential for optimum results. Inadequate coverage can result in reduced control.
- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application, the resulting level and duration of control of spider mites could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions such as high temperatures, use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 1.8 fl oz VCP-11/A (0.014 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 5.3 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.042 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliar-applied abamectin-containing product.
  - **DO NOT** apply more than 3 applications of VCP-11 or any other foliar-applied abamectin-containing product per year.
- **DO NOT** allow livestock to graze or feed treated foliar to livestock.
- **Pre-Harvest Interval (PHI):** 28 days.

ONION, BULB SUBGROUP 3-07A

Daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Liriomyza Leafminer Thrips	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- For **leafminer** control, apply when adult leafminer flies are first observed and repeat application as needed.
- For **thrips** control, apply when thrips are at economic threshold. Repeat application, if needed, to maintain control.

Use Directions:

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application and chemigation, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- VCP-11 may be applied through overhead sprinkler chemigation for suppression of thrips.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Resistance Management:

- Make 2 consecutive applications of VCP-11, 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 VCP-11 applications.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

Precaution:

- Insect control can be reduced if VCP-11 is used in combination with a sticker or binder type product such as such as Bravo® Weather Stik®.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate**: 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliar-applied abamectin-containing product.
- **DO NOT** use VCP-11 as a rescue treatment for thrips control.
- **Pre-Harvest Interval (PHI):** 30 days.

ONION, GREEN SUBGROUP 3-07B

Chive, fresh leaves; chive, Chinese, fresh leaves; elegans hosta; fritillaria, leaves; kurrat; lady's leek; leek; leek, wild; onion, Beltsville bunching; onion, fresh; onion, green; onion, macrostem; onion, tree, tops; onion, Welsh, tops; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Liriomyza Leafminer Thrips	1.25 - 2.4 (0.010 - 0.019)

Application Timing:

- For **leafminer** control, apply when adult leafminer flies are first observed and repeat application if needed.
- For **thrips** control, apply as part of a thrips management program. Begin making applications when populations are low (1-3 thrips/plant). Repeat application if needed. If populations are high, use an effective thrips knockdown product before spraying VCP-11.

Use Directions:

- Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application and chemigation, the resulting level and duration of control could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- VCP-11 may be applied through overhead sprinkler chemigation for suppression of thrips.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Resistance Management:

- Make 2 consecutive applications of VCP-11 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 VCP-11 applications.

Precaution:

- Insect control can be reduced if VCP-11 is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.

Specific Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 9.5 fl oz VCP-11/A/calendar year
  - **DO NOT** exceed 0.076 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly applied abamectin-containing product.
- **DO NOT** apply by air in New York State and California.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- **DO NOT** use VCP-11 as a rescue treatment for thrips control.
- **Pre-Harvest Interval (PHI):** 7 days.

PAPAYA

Black sapote; canistel; mamey sapote; papaya; star apple; sapodilla; including cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- For mite control, apply when mites first appear during spring, summer, and/or fall.

Use Directions:

- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 14 days.
- **Maximum Annual Rate:** 8.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.070 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - **DO NOT** make more than 3 sequential applications of VCP-11 or any other foliarly abamectin-containing product.
- **DO NOT** apply to mango.
- **DO NOT** apply by air.
- **Pre-Harvest Interval (PHI):** 7 days.

PINEAPPLE

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- Apply when spider mites are first observed.

Use Directions:

- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year of abamectin-containing products including all application types (seed treatment, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly abamectin-containing product.
- **DO NOT** apply by air.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- **Pre-Harvest Interval (PHI):** 16 weeks.

POME FRUIT CROP GROUP 11-10

Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; including cultivars, varieties, and/or hybrids of these

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
European Red Mite McDaniel Spider Mite Pear psylla Pear rust mite Tentiform Leafminer Two-Spotted Spider Mite White Apple Leafhopper Yellow Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- Apply when spider mite or insect thresholds are reached. Make a second application, if needed, to maintain control.

Use Directions:

- Thorough coverage is essential to obtain best results. Select a spray volume appropriate for the size of trees and density of foliage.
- Apply this product diluted in a minimum volume of 40 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Precaution:

- Applying the combination of VCP-11 and horticultural spray oil fewer than 14 days before or after applying Captan or other sulfur-containing products can result in phytotoxicity and crop loss.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 21 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per year.
- **DO NOT** apply by air.
- **DO NOT** allow livestock to graze in treated orchards.
- **DO NOT** apply from onset of flowering until after petal fall is complete.
- **Pre-Harvest Interval (PHI):** 28 days.

POTATO

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Colorado Potato Beetle *Liriomyza* Leafminer Potato Psyllid Spider Mite[2]	1.25 - 2.4 (0.010 - 0.019)
Suppression: Thrips	2.4 (0.019)

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

Application Timing:

- For **Colorado potato beetle** control, make the first application after approximately 50% of the egg masses have hatched and early instar larvae are present. If two applications are needed, limit them to a single Colorado potato beetle generation per crop.
- For **Liriomyza leafminer** control, make the first application when adult flies are first observed. Repeat applications as needed to maintain control.
- For **spider mite** control, make the first application when mites first appear. Repeat application as needed to maintain control.
- For **thrips** suppression, apply in a thrips management program and when thrips are at economic threshold. Repeat application as needed to maintain control.

Use Directions:

- Thorough coverage of the crop canopy is essential for optimum results. Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application and chemigation, the resulting level and duration of control of insects and spider mites could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- May be applied through overhead sprinkler chemigation for suppression of thrips.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Resistance Management:

- **Colorado potato beetle:** Application(s) to the following generation of Colorado potato beetle must be with an effective product with a different mode of action.

Precaution:

- Insect control can be reduced if VCP-11 is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.

Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly applied abamectin-containing product.
- **DO NOT** feed or allow livestock to graze treated foliage.
- **DO NOT** apply VCP-11 more than twice to a generation of Colorado potato beetle or within any 30-day period.
- **DO NOT** use VCP-11 as a rescue treatment for thrips control.
- **Pre-Harvest Interval (PHI):** 14 days.

SOYBEAN

TARGET PEST	**USE RATES**	
	fl oz product/A (lb a.i./A)	**fl oz product/1000 row ft (oz a.i./1000 row ft) @ 15" rows**
Nematodes including Soybean Cyst nematode	6.9 - 10.3 (0.055 - 0.082)	0.20 - 0.30 (0.025 - 0.038)

Application Timing:

- For early season **nematode** control, apply during planting.

Use Directions:

- Apply in-furrow in a minimum of 5 gallons per acre of final volume as a spray or dribble directed on the seed during planting.
- Linear application rate is based on 15" rows. For different row spacing consult the Linear Application Rate Conversion Chart in the Instructions for At-Plant Applications section. In all cases do not exceed the maximum per acre use restriction.

Use Restrictions:

NOTE: ***{Information in {braces} is informational for the reviewer}***
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

- **Maximum Single Application Rate:** 10.3 fl oz VCP-11/A (0.082 lb a.i./A).
- **Maximum Annual Rate** 10.3 fl oz VCP-11/A/calendar year.
  - Do not exceed 0.082 lb a.i./A/calendar year from all abamectin containing products applied as a seed or soil applications.
- **DO NOT** apply shallower than 1 inch depth.

STONE FRUIT CROP GROUP 12-12

Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach, plum, Canada, plum, cherry, plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; including cultivars, varieties, and/or hybrids of these.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
European Red Mite Pacific Spider Mite Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- Apply when spider mites first appear. Make a second application, if needed, to maintain control.

Use Directions:

- Select a spray volume appropriate for the size and number of trees and density of foliage to ensure thorough coverage.
- Apply this product diluted in a minimum volume of 40 gal of carrier/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 21 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb abamectin/A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per year.
- **DO NOT** apply by air.
- **DO NOT** allow livestock to graze in treated orchards.
- **DO NOT** apply from onset of flowering until after petal fall is complete.
- **Pre-Harvest Interval (PHI):** 21 days.

TREE NUTS CROP GROUP 14-12

African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut English; yellowhorn; including cultivars, varieties, and/or hybrids of these.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
European Red Mite Pacific Spider Mite Strawberry Spider Mite Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- For spider mite control, apply when spider mites first appear. Residual spider mite control is greater from spray deposits on

newer leaves compared to older leaves. Make a second application, if needed, to maintain control.

Use Directions:

- Adjust gallons of spray per acre based on size and number of trees per acre and density of foliage. Thorough coverage is essential for good spider mite and insect control.
- Apply this product diluted in a minimum volume of 40 gal/A.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 21 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per year.
- **DO NOT** apply by air.
- **DO NOT** allow livestock to graze in treated groves/orchards.
- **DO NTO** apply from onset of flowering until after petal fall is complete.
- **Pre-Harvest Interval (PHI):** 21 days.

TROPICAL AND SUBTROPICAL, SMALL FRUIT, INEDIBLE PEEL SUBGROUP 24A

Aisen; bael fruit; Burmese grape; cat's-eyes; inga; longan; lychee; madras-thorn; manduro; matisia; mesquite; mongongo, fruit; pawpaw, small-flower; satinleaf; Sierra Leone-tamarind; Spanish lime; velvet tamarind; wampi; white star apple; including cultivars, varieties, and hybrids of these commodities

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Liriomyza leafminers Thrips Two-Spotted Spider Mite	1.5 - 2.9 (0.012 - 0.023)

Application Timing:

- **Mites:** Apply when mites first appear during spring, summer, and/or fall.
- **Leafminers:** Apply to protect new growth during spring, summer, or fall.
- **Thrips:** Applications targeted for thrips will only control the current generation and must be correctly timed.
- Apply when economic thresholds have been reached (after egg hatch has begun – preferably early to mid-hatch).

Use Directions:

- Apply this product diluted in a minimum volume of 50 gal/A with conventional ground application equipment. When using an electro-static sprayer, less than 50 gal/A may be used; however, do not use less than 5 gal/A.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Use Restrictions:

- **Maximum Single Application Rate:** 2.9 fl oz VCP-11/A (0.023 lb a.i./A).
- **Minimum Application Interval:** 30 days.
- **Maximum Annual Rate:** 5.8 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.046 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 applications of VCP-11 or any other foliarly applied abamectin-containing product per year.
- **DO NOT** apply by air.
- **Pre-Harvest Interval (PHI):** 14 days.

NOTE: ***{Information in {braces} is informational for the reviewer}***
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

TUBEROUS AND CORM VEGETABLES 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; yam, true.

TARGET PEST	USE RATES fl oz product/A (lb a.i./A)
Colorado Potato Beetle *Liriomyza* Leafminer Potato Psyllid Spider Mite	1.25 - 2.4 (0.010 - 0.019)
Suppression: Thrips	2.4 (0.019)

Application Timing:

- For **Colorado potato beetle** control, make the first application after approximately 50% of the egg masses have hatched and early instar larvae are present. If two applications are needed, limit them to a single Colorado potato beetle generation per crop.
- For **Liriomyza leafminer** control, make the first application when adult flies are first observed. Repeat applications as needed to maintain control.
- For **spider mite** control, make the first application when mites first appear. Repeat application as needed to maintain control.
- For **thrips** suppression, apply in a thrips management program and when thrips are at economic threshold. Repeat application as needed to maintain control.

Use Directions:

- Thorough coverage of the crop canopy is essential for optimum results. Apply this product diluted in a minimum volume of 20 gal/A by ground or 5 gal/A by air.
- With aerial application and chemigation, the resulting level and duration of control of insects and spider mites could be less than with ground application.
- Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
- May be applied through overhead sprinkler chemigation for suppression of thrips.
- When applying foliarly, must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Application and Mixing Instructions** section for more information.

Resistance Management:

- **Colorado potato beetle:** Application(s) to the following generation of Colorado potato beetle must be with an effective product with a different mode of action.

Precaution:

- Insect control can be reduced if VCP-11 is used in combination with a sticker or binder type product such as Bravo® Weather Stik®.

Specific Use Restrictions:

- **Maximum Single Application Rate:** 2.4 fl oz VCP-11/A (0.019 lb a.i./A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 7.0 fl oz VCP-11/A/calendar year.
  - **DO NOT** exceed 0.056 lb a.i./A/calendar year from all abamectin-containing products including all application types (seed treatments, soil, foliar).
  - **DO NOT** make more than 2 sequential applications of VCP-11 or any other foliarly applied abamectin-containing product.
- **DO NOT** feed or allow livestock to graze treated foliage.
- **DO NOT** apply VCP-11 more than twice to a generation of Colorado potato beetle or within any 30-day period.
- **DO NOT** use VCP-11 as a rescue treatment for thrips control.
- **Pre-Harvest Interval (PHI):** 14 days.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

STORAGE AND DISPOSAL

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

Pesticide Storage
Store in original containers only. Keep container closed when not in use. Store in a cool, dry place, and do not expose to heat. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

[Container Handling less than or equal to 5 gallons - Non-refillable container:
Do not reuse or refill this container. 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 and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.]

[Container Handling greater than 5 gallons - Refillable container:
Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

[Container Handling greater than 5 gallons - Non-refillable 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 ¼ 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 puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL A: COMMERCIAL AGRICULTURE

Conditions 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. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Vive Crop Protection or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Vive Crop Protection and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VIVE CROP PROTECTION MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT.

Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or Vive Crop Protection, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, Vive Crop Protection or seller shall not 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 VIVE CROP PROTECTION 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 VIVE CROP PROTECTION OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement except as signed by an authorized representative of Vive Crop Protection.

NOTE: ***{Information in {braces} is informational for the reviewer}***
[Bracketed text is optional/interchangeable]

SUB-LABEL B: TURF AND ORNAMENTALS

RESTRICTED USE PESTICIDE

DUE TO TOXICITY TO NON-TARGET INVERTEBRATES, 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 Applicators certification.

VCP-11

{Note to reviewer: the following text block is optional marketing language}
[VCP-11 is an insecticide/nematicide for use on: Golf course greens, tees, fairways, and professional and collegiate sports fields; and shadehouse, greenhouse and field-grown ornamentals, foliage plants, Christmas trees, and other woody ornamentals.]

Active Ingredient:	**By Wt.**
Abamectin*(CAS No. 71751-41-2).....	12.0%
Other Ingredients:	88.0%
	100.0%

*Avermectin B1a (CAS 65195-55-3) and Avermectin B1b (CAS 65195-56-4)

Contains 1.02 lb of abamectin per gallon.

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.)

This label must be in the possession of the user at the time of application.
See inside booklet for additional precautionary information and directions for use.

EPA Reg. No. 89118-7 **EPA Est. XXX-YY-Z**
Net Contents: [1, 2.5, 5, 15, 30, 130, or 265 Gallons]

Vive Crop Protection Inc.
500 Westover Dr., #10198
Sanford, NC 27330
1-888-760-0187

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL B: TURF AND ORNAMENTALS

FIRST AID	
If swallowed	• 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 by a poison control center or doctor. • Do not give anything to an unconscious person.
If in eyes	• Hold eyes 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Remove contaminated clothing. • Rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbants (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.

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.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency contact Chemtel Inc. in North America at 1-800-255-3924 or worldwide international at +1-813-248-0585.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinylchloride (PVC) ≥ 14 mils or viton ≥ 14 mils.
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

SUB-LABEL B: TURF AND ORNAMENTALS

USER SAFETY REQUIREMENTS

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

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

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

Do not apply directly to water, or 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 foraging in or adjacent to 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.

SURFACE WATER ADVISORY

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 PREVENTION

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow

or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with any oxidizing agent. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

VCP-11 must be used only in accordance with instructions on this label, in a supplemental label or in state-specific 24C labeling. Always read the entire label, including the Conditions of Sale and Limitation of Warranty and Liability.

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.

Failure to follow directions and precautions on this label may results in crop injury, poor insect control, and/or illegal residues.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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 in this labeling about personal protective equipment, restricted-entry intervals, and notification to works. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

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

- If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

For early entry into 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, wear:

- Coveralls.
- Shoes plus socks.
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinylchloride (PVC) ≥ 14 mils or viton ≥ 14 mils.

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.

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SUB-LABEL B: TURF AND ORNAMENTALS

PRODUCT INFORMATION

VCP-11 contains the active ingredient abamectin. VCP-11 provides activity against many important crop parasitic nematodes as well as listed insects and mites. VCP-11 can be applied by sprinkler chemigation to suppress thrips. VCP-11 as an in-furrow treatment provides suppression of nematodes.

Seed Treatment: Unless specifically restricted in the individual Crop Use Directions on this label, VCP-11 may be used in the same year abamectin is used as an at-plant seed treatment.

PRODUCT RESTRICTIONS

USE RESTRICTIONS

- **DO NOT** apply to golf course roughs.
- **DO NOT** apply to residential turf or ornamentals, sports fields (other than professional or collegiate), or commercial turf.
- **DO NOT** use aerial application.
- Chemigation: **DO NOT** apply this product through any type of irrigation system unless specified in specific crop use directions.
- **DO NOT** apply through an ultra-low volume spray system.
- **DO NOT** apply to turf under heat or moisture stress.
- **DO NOT GRAZE TREATED TURF OR FEED TURF CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK.**
- **DO NOT** use in citrus nurseries.
- To limit unwanted surface runoff in outdoor ornamental uses, **DO NOT** apply when growth media is saturated.

RESISTANCE MANAGEMENT

VCP-11 contains the active ingredient abamectin which is a GROUP 6 INSECTICIDE/MITICIDE/NEMATICIDE and is effective against a variety of nematodes, mites, and insects.

Some insect, mite, or nematode species are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities or universities for details.

For resistance management, VCP-11 contains a Group 6 insecticide/miticide/nematicide. Any insect, mite, or nematode population may contain individuals that are inherently resistant to VCP-11 and other Group 6 insecticide/miticide/nematicides. The resistant individuals may eventually dominate the insect, mite, or nematode population if this group of insecticide/miticide/nematicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect or mite may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

To delay insecticide/miticide/nematicide resistance, take the following steps:

- Rotate the use of VCP-11 or other Group 6 insecticide/miticide/nematicides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticide/miticide/nematicides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.

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- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/miticide/nematicides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Vive Crop Protection at 1-888-760-0187. You can also contact your pesticide distributor or university extension specialist to report resistance.

Maintaining Susceptibility to These Classes of Chemistry

- Avoid using Group 6 insecticide/miticide/nematicides exclusively for season long control in insect or mite species with more than one generation per crop season.
- For insect, mite, or nematode species with successive or overlapping generations, apply VCP-11 or other Group 6 insecticide/miticide/nematicides using a "treatment window" approach. A treatment window is a period of time as defined by the state of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 6 insecticide/miticide/nematicides. Do not exceed the maximum VCP-11 allowed per year.
- Following a treatment window of Group 6 insecticide/miticide/nematicides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 6 insecticide/miticide/nematicides.
- A treatment windows rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest's ability to develop resistance to these classes of chemistry.
- If resistance is suspected, do not reapply VCP-11 or other Group 6 insecticide/miticide/nematicides.

Other Insect Resistance Management (IRM) Practices

- Incorporating IPM techniques into your insect, mite, or nematode control program.
- Monitoring treated insect or mite populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticide/miticide/nematicides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

To manage susceptibility in *Liriomyza* leafminer species, apply a maximum of three applications of VCP-11 and then rotate to a product containing the pesticide active ingredient Cyromazine for a maximum of three applications, before rotating back to VCP-11 or using another product. The rotation between products with different modes of action should be based on the generation time of *Liriomyza* species to avoid applying VCP-11 to successive generations.

APPLICATION AND MIXING INSTRUCTIONS

VCP-11 is a suspension concentrate formulation. Shake or agitate well prior to measuring or pouring. Like most suspension concentrate formulations, VCP-11 will thicken upon standing for long periods of time. VCP-11 will revert back to an easily flowable fluid after a brief shake.

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Do not use strainer (nozzle screens) with a mesh designation greater than 50.

Make sure that application equipment is thoroughly cleaned and properly calibrated prior to application and thoroughly cleaned after application.

Fill tank half full with water and begin agitation. Add VCP-11 according to crop use rate and fill up tank to intended final volume. While pouring, avoid direct contact of VCP-11 with the container wall to achieve best dispersion. Mix thoroughly to disperse and suspend the VCP-11. Maintain agitation during application and in any nurse tank or storage tank.

Do not prepare more mixture than is required for the treatment. For best results, use immediately after mixing. If the mixtures settles, agitate the mixture and assess to ensure thorough re-mixing prior to application.

The rate of application should be chosen within the label ranges for the crop being treated based on expected pest pressure. This can be determined by history and scouting of the field and whether weather conditions are expected to be favorable. Use lower rates when pest pressure is expected to be light and use higher rates when pest pressure is expected to be heavy. Application rates are generally higher in arid climates.

Unless otherwise directed by registered supplemental labeling, follow the Directions for Use in each crop group section.

ADJUVANT RECOMMENDATIONS

Residual control of foliar pests may be enhanced with the addition of a horticultural spray oil at 0.5 to 1.0% of the spray volume on field-grown woody ornamentals, landscape plants, and Christmas trees. Repeat application as necessary, but no sooner than 7 days to maintain control. Some plants are sensitive to oils and so without prior experience the user should spray a small number of plants and observe plants for 2 weeks before spraying the remaining plants. Excessive cold or warm temperatures may increase the chance of plant damage following application with oils. Carefully read and follow directions on the oil label and do not exceed maximum rates listed on either label.

TANK MIXTURE APPLICATION

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

VCP-11 may be applied in tank mixtures with adjuvants, micronutrients, and other products approved for use on registered crops. Jar tests (or other similar methods) to ensure compatibility between products should be conducted before use.

When an adjuvant is used, it is recommended to use an adjuvant that meets the standards of the Council of Producers and Distributors of Agrotechnology (CPDA) adjuvant certification.

Tank Mixture Order of Addition Recommendation

This is the general recommendation for order of addition. Always follow any specific order of addition instructions on all the tank-mix partner labels. Jar tests (or other similar methods) to ensure order of addition compatibility between products should be conducted before use.

1. Fill tank ⅓ to ½ full with mixing diluent (water, etc.).
2. Begin tank agitation before adding any tank-mix partners.
3. Add any water conditioner/anti-foam/compatibility agents.
4. Add any products packaged in water-soluble packaging and allow to completely dissolve/disperse.
5. Add any wettable powders/flowables (DC, DS, GR, SG, SP).
6. Add any microencapsulated suspensions (ME).
7. Add any liquids and solubles (SC, SU), including VCP-11.
8. Add any emusifiable concentrates (EC).

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9. Add any adjuvants.

Jar Test Procedure
Test potential mixing partners, including adjuvants, for mixing compatibility using a standard jar test or other similar method and for crop safety prior to use on a crop.

The following jar test procedure is recommended to evaluate compatibility: Following any product specific instructions for order of addition, pour the recommended proportions of the products into a suitable container, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed, or can be re-mixed readily, the mixture is considered physically compatible. If the combination does not remain mixed, or cannot be re-mixed readily, the products are not physically compatible and should not be tank-mixed together.

Do not prepare more mixture than is required for the treatment. For best results, use immediately after mixing. If the mixtures settles, agitate the mixture and assess to ensure thorough re-mixing prior to application.

{NOTE TO REVIEWER - The Chemigation Use Directions will appear on the final printed commercial labels when the label includes crops which allow for the application by means of chemigation. If the final printed commercial label only contains crops which do not allow for the application by means of chemigation, the statement "Do not apply this product through any type of irrigation system" will be used instead of the Chemigation Use Directions.}

INSTRUCTIONS FOR CHEMIGATION APPLICATIONS

- Only apply VCP-11 by chemigation instructions as specified in specific crop direction.
- Only apply VCP-11 through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; furrow; border or drip (trickle) irrigation systems. Do not apply VCP-11 though any other type of irrigation system.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
- Follow rates and application timings given in the specific crop instructions. Consult your local State Extension Service or other local experts for recommendations on the use of adjuvants, diluents, rates, and mixing instructions. The efficacy of VCP-11 (or other abamectin products) as a sprinkler irrigation application should be proved effective, through university and/or extension field trials.
- The chemical supply tank and injector system should be thoroughly cleaned and flushed with clean water.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR CHEMIGATION

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Any alternatives to the above mentioned required safety devices must conform to the list of EPA-approved alternative devices.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR PUBLIC WATER SYSTEMS

- Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regulatory serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve location on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Any alternatives to the above mentioned required safety devices must conform to the list of EPA-approved alternative devices.
- Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

INSTRUCTIONS FOR IRRIGATION SYSTEMS

- Follow rates and application timings given in the specific crop instructions. Consult your local State Extension Service or other local experts for recommendations on the use of adjuvants, diluents, rates, and mixing instructions. The efficacy of VCP-11 (or other abamectin products) as a sprinkler irrigation application should be proved effective, through university and/or extension field trials.
- Check the irrigation system to ensure uniform application of final spray to all areas. Thorough coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period.
- Apply by injecting the recommended rate of VCP-11 into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target area in 0.1 acre-inch of water. In general, use the least amount of water required for proper distribution and coverage. It is recommended that the product be injected into the main irrigation line ahead of a right angle turn in the line to ensure adequate dispersion or mixing in the irrigation water. Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system.
- In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of VCP-11 for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution.

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MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Application:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size according to the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators are required to use a medium or coarser droplet size according to the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

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

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 is away from the sensitive area.

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

Controlling Droplet Size – Ground Boom

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

BOOM HEIGHT – Ground Boom
For ground equipment, the boom should remain level with the crop and have minimal bounce.

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

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

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

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

SPRAY DRIFT
Boom-less Ground Applications:

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

Handheld Technology Applications:

- Take precautions to minimize spray drift.

SPECIFIC USE DIRECTIONS

TURFGRASS (INCLUDING ALL CULTIVARS, VARIETIES, AND/OR HYBRIDS)
Golf course greens, tees, fairways, and professional and collegiate sports fields

PESTS	USE RATES fl oz product/A (lb a.i./A)
Turf-Parasitic Nematodes (including sting, lance, root-knot, and ring)	On a 14- to 21-day spray interval 2.1 - 4.2 (0.017 - 0.034) On a 21- to 28-day spray interval 4.2 - 8.4 (0.034 - 0.067)
Use Directions • Apply in the early morning while grass is wet with dew or irrigate the area prior to application with 0.1 inches of water. Spray onto wet turf. • Irrigate with 0.1 to 0.5 inches of water beginning within 1 hour of application to move VCP-11 through the thatch. For best results, irrigate before the spray droplets have dried on the turf. • Apply in 2 gallons of water per 1,000 square feet of turf. When lower application volumes are used, irrigating in should begin as soon as possible after application.	
Use Restrictions: • **Maximum Single Application Rate:** 8.4 fl oz VCP-11/A (0.067 lb a.i./A) per application. • **Minimum Application Interval:** 14 days. • **Maximum Annual Rate:** 34 fl oz VCP-11/A (0.27 lb a.i./A) per calendar year.	

CURATIVE SPOT TREATMENTS ON GOLF COURSE GREENS, TEES AND FAIRWAYS ONLY

Curative spot treatments are prescribed for controlling nematodes over smaller areas where outbreaks are severe or expected to become severe. To make a curative spot treatment apply the highest prescribed dose of VCP-11 (8.4 fl oz) and repeat up to 4 times at the prescribed intervals. For curative spot treatments treat no more than 10,000 sq ft per acre per year.

Curative Spot Treatment Use Restrictions:

- **DO NOT** apply when heavy rainfall is forecast.
- **DO NOT** apply within 25 feet of aquatic habitats (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or ponds; estuaries; and commercial fish farm ponds).

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SHADEHOUSE, GREENHOUSE AND FIELD-GROWN ORNAMENTALS, FOLIAGE PLANTS, CHRISTMAS TREES, AND OTHER WOODY ORNAMENTALS

PESTS	USE RATES fl oz product/100 gal	Use Instructions
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	0.63	Apply, for example, in 200-400 gal of water/A. In volumes of water below 200 gal., use a minimum of 1.13 fl oz/A. If more than 400 gal of water/A are required for good plant coverage, apply a maximum rate of 2.38 fl oz/A. For example, if 650 gal of water are required, use 0.38 fl oz/100 gal. For tarsonemid mites, repeat applications to newly developing tissue may be necessary to maintain control.
Liriomyza Leafminers	1.13	Apply, for example, in 100-200 gal. of water/A. In water volumes below 100 gal., use a minimum of 1.13 fl. oz./A. If more than 200 gal. of water per acre are required for good plant coverage, apply the maximum rate of 2.38 fl. oz./A. For example, if 400 gal. of water are required, use 0.63 fl. oz./100 gal. Repeat at 7-day intervals or as necessary to maintain control.
Boxwood Leafminer	1.13	For control of mining larvae, make the application when adults are beginning to lay eggs in the new foliage.
Aphids Thrips Whiteflies	1.13	For suppression of pest populations, young immatures must be contacted by the spray. For suppression of aphids, thrips, and whiteflies apply when young, immature stages of these pests are first observed and repeat every 7 days for 2 or 3 weeks. After which time, rotate to other products that have different modes of action than VCP-11 for at least 2-3 weeks. Refer to the **Resistance Management** section for additional comments on rotation. Aphids, thrips, and whiteflies are killed by direct contact with the VCP-11 spray. Do not use VCP-11 for suppression of aphids, whiteflies, and thrips on roses, chrysanthemums, and gerbera. These ornamentals are primary hosts of mites

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		and *Liriomyza* leafminers for which VCP-11 applications should be targeted. Additional applications of VCP-11 to suppress aphids, thrips, and whiteflies on these plants will increase the selection pressure on mites and *Liriomyza* leafminers which may result in greater tolerance to VCP-11 among these pests.

Precautions:

- Time applications to allow VCP-11 to dry on the treated surface prior to a rain event.
- VCP-11 has been evaluated for phytotoxicity on a wide range of ornamental plants. However, since all combinations or sequences of pesticide sprays, including surfactants and adjuvants, have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs. Phytotoxicity has been observed following the use of VCP-11 on certain species of ferns (e.g., Adiantum spp.) and Shasta Daisy (Leucanthemum spp.). It is therefore recommended that VCP-11 not be used on ferns or Shasta Daisy.
- Residual control of pests may be enhanced with the addition of a horticultural spray oil at 0.5 to 1.0% of the spray volume on field-grown woody ornamentals, landscape plants, and Christmas trees. Repeat application as necessary, but no sooner than 7 days to maintain control. Some plants are sensitive to oils and so without prior experience the user should spray a small number of plants and observe plants for 2 weeks before spraying the remaining plants. Excessive cold or warm temperatures may increase the chance of plant damage following application with oils. Carefully read and follow directions on the oil label and do not exceed maximum rates listed on either label.

Restrictions:

- **Maximum Single Application Rate: DO NOT** apply less than 1.13 fl oz/A (0.009 lb a.i/A) or more than 2.38 fl oz/A (0.019 lb a.i/A) per application.
- **Minimum Application Interval:** 7 days.
- **Maximum Annual Rate:** 38.1 fl oz VCP-11/A (0.304 lb a.i./A) per calendar year.
- Use sufficient water to obtain uniform plant coverage.

Refer to the Resistance Management section and the Restrictions section for additional information.

STORAGE AND DISPOSAL

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

Pesticide Storage
Store in original containers only. Keep container closed when not in use. Store in a cool, dry place, and do not expose to heat. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

[Container Handling less than or equal to 5 gallons - Non-refillable container:
Do not reuse or refill this container. 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 and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.]

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SUB-LABEL B: TURF AND ORNAMENTALS

[Container Handling greater than 5 gallons - Refillable container:
Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

[Container Handling greater than 5 gallons - Non-refillable 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 ¼ 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 puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.]

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

Conditions 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. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Vive Crop Protection or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Vive Crop Protection and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VIVE CROP PROTECTION MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT.

Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or Vive Crop Protection, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, Vive Crop Protection or seller shall not 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 VIVE CROP PROTECTION 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 VIVE CROP PROTECTION OR SELLER, THE REPLACEMENT OF THE PRODUCT.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

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This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement except as signed by an authorized representative of Vive Crop Protection.

NOTE: **{*Information in {braces} is informational for the reviewer*}**
[Bracketed text is optional/interchangeable]

{Optional marketing or other non-FIFRA related language}

- Shake well before use
- Reach nematodes below the thatch layer
- Improve turf quality by controlling nematode damage
- Not registered for use by [State]
- Improved rhizosphere nematode control.
- Expanded reach to nematodes in roots.