



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

89118-10

Date of Issuance:

6/19/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Averland FC

Name and Address of Registrant (include ZIP Code):

Olav Messerschmidt
OMC Ag Consulting, Agent for
Vive Crop Protection, Inc.
828 Tanglewood Lane
East Lansing, MI 48823

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 89118-10."

Signature of Approving Official:

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

Date:

6/19/19

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

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated July 06, 2018
- Alternate CSF A dated July 13, 2018
- Alternate CSF B dated July 06, 2018
- Alternate CSF C dated July 13, 2018
- Alternate CSF D dated July 06, 2018
- Alternate CSF E dated July 13, 2018
- Alternate CSF F dated July 06, 2018
- Alternate CSF G dated July 13, 2018

If you have any questions, please contact Dee Colby by phone at 703-347-8657, or via email at colby.deanna@epa.gov

Enclosure: Stamped Label

RESTRICTED USE PESTICIDE

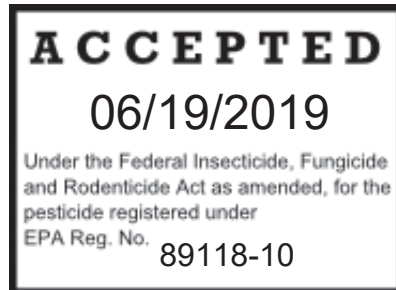
DUE TO TOXICITY TO NON-TARGET INVERTEBRATES, MAMMALS, AND AQUATIC ORGANISMS

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 APPLICATOR'S CERTIFICATION.

ABAMECTIN | **GROUP 6** | **INSECTICIDE**

Averland FC

Active Ingredient:	By Wt
Abamectin (CAS No. 71751-41-2)	8.0 %
Other Ingredients:	92.0 %
TOTAL	100.0 %



This product contains 0.7 pounds of active ingredient 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-RN

EPA Est. XXX-YY-Z

Net Contents: 1, 2.5, 15, 30, 130, or 265 Gallons



Vive Crop Protection Inc.
828 Tanglewood Lane
East Lansing, MI 48823
1-416-260-8889

FIRST AID
<p>If swallowed:</p> <ul style="list-style-type: none">● Call a poison control center or doctor immediately for treatment advice.● Have person sip a glass of water if able to swallow.● Do not induce vomiting unless told to by a poison control center or doctor.● Do not give anything by mouth to an unconscious person.
<p>If inhaled:</p> <ul style="list-style-type: none">● 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 further treatment advice.
<p>If on skin:</p> <ul style="list-style-type: none">● Take off contaminated clothing.● Rinse skin immediately with plenty of water for 15-20 minutes.● Call a poison control center or doctor for treatment advice.
<p>If in eyes:</p> <ul style="list-style-type: none">● Hold eye open and rinse slowly and gently with water for 15-20 minutes.● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.● Call a poison control center or doctor for treatment advice.
<p>Note to Physician:</p> <p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal).</p> <p>If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.</p>
<p>EMERGENCY INFORMATION</p> <p>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</p>

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning. May be fatal if swallowed. May be fatal if inhaled. **Do not breathe** spray mist. Harmful if absorbed through skin. **Avoid contact with skin, eyes or clothing.**

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;
- A NIOSH-approved respirator with any R or P filter OR a NIOSH-approved elastomeric particulate respirator with any R or P filter OR a NIOSH-approved powered air purifying respirator with HE filters.

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

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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

SURFACE WATER ADVISORY

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

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow contact with oxidizing agents. 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.

AGRICULTURAL USE REQUIREMENTS

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.

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: 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.

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

GENERAL INSTRUCTIONS

Averland FC contains the active ingredient abamectin in an optimized suspension concentrate formulation that is compatible with liquid fertilizers. Averland FC provides activity against many important crop parasitic nematodes as well as listed insects and mites.

Resistance Management

Averland FC contains the active ingredient abamectin which is a GROUP 6 MITICIDE/INSECTICIDE and is effective against a variety of nematodes, mites, and insects.

Some insect 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.

Insect or mite biotypes with acquired or inherent resistance to Group 6 miticides/insecticides may eventually dominate the pest population in Group 6 miticides/insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by Averland FC or other Group 6 miticides/insecticides.

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/mite/nematode 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 in your area.

To order to maintain susceptibility to this class of chemistry:

- Avoid using a single active ingredient or mode of action exclusively for season long control with more than one generation per crop season.
- For species with successive or overlapping generations, apply Averland FC or other group 6 miticides/insecticides 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 pest of concern. Within the window, depending on the length of residual activity, there may either be single or consecutive applications (soil or foliar) of Group 6 miticides/insecticides. Do not exceed the maximum abamectin allowed per year.
- Rotate to a treatment windows of effective products with a different mode of action before making additional applications of group 6 miticides/insecticides.

Monitor the efficacy of all pesticides used in your pest management program and record other factors that may influence performance and pest population growth. If Averland FC or another miticide/insecticide appears to be less effective against a pest that in previously controlled, contact your local extension specialist or certified crop advisor for further investigation.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Integrated Pest Management (IPM)

Averland FC should be used as one component in an integrated pest management program including cultural practices that reduce pest pressure. Consult your local extension specialist or certified crop advisor for local best practices to manage insect pests.

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.

APPLICATION AND MIXING INSTRUCTIONS

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

Averland FC disperses finely in liquid fertilizer and micronutrient products without prior dilution with water. However, due to the wide variability in the composition and consistency of liquid fertilizers, it is recommended a jar-test be performed.

Averland FC insecticide is designed for at-plant, and foliar applications, and must be diluted with liquid fertilizer and/or water 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.

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

Mix only the required amount; do not store diluted material.

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 Requirements

To avoid illegal residues while applying by broadcast spray, Averland FC **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 and crop oil concentrates (COC), vegetable oil concentrates (VOC), methylated seed/vegetable oils (MSO) and organosilicones (OS) with at least 15% emulsifiers/surfactants and include blends of these non-ionic activator type spray adjuvants. Spray adjuvants must be compatible with Averland FC 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.

Averland FC 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.

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. Do not allow mixture to set overnight. If the mixtures settles, agitate the mixture and assess to ensure thorough re-mixing prior to application. Do not store spray mixtures.

INSTRUCTIONS FOR AT-PLANT APPLICATIONS

Averland FC can be mixed with liquid starter or pop-up fertilizer for use 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. Follow label recommendations in regards to liquid fertilizer use rate and seed safety.

As with any insecticide, care must be taken to minimize exposure of Averland FC to honey bees and other pollinators.

Fluid ounces product per acre	Fluid ounces product per 1000 row feet						
	Average Row Spacing (inches)						
	15	20	22	24	30	32	36
4.0	0.11	0.15	0.17	0.19	0.23	0.24	0.28
4.5	0.13	0.17	0.19	0.22	0.26	0.28	0.31
5.0	0.14	0.19	0.21	0.24	0.29	0.31	0.34
5.5	0.16	0.21	0.23	0.26	0.32	0.34	0.38
6.0	0.17	0.23	0.25	0.29	0.34	0.37	0.41
IMPORTANT: The linear application rate applied affects the duration and degree of control to a large extent. Linear application rates in the non-shaded region in the above table will provide early season protection to the seed and seeding, but may not provide residual pest control. These rates are not recommended for long-term residual control. Follow all crop specific use instructions regarding maximum use rates.							
Linear Row Feet Calculation: $523 \div \text{row spacing (in inches)} \times 1000 = \text{Row feet per acre}$							

INSTRUCTIONS FOR BROADCAST APPLICATIONS

Averland FC 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 insect 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

For application by sprinkler irrigation to Tuberous and Corm vegetables only.

- Only apply Averland FC by chemigations instructions as specified in specific crop directions in the use directions below.
- Only apply Averland FC through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. Do not apply Averland FC through 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 or liquid fertilizer.
- 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.
- The chemical supply tank and injector system should be thoroughly cleaned and flushed with clean water.

Drift

Do not apply when wind speed favors drift beyond the area intended for treatment or non-uniform distribution of the treatment solution.

Required System Safety Devices

- 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 through chemigation systems connected to public water systems.

SPRAY DRIFT

Ground Boom Applications:

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

Boomless Ground Applications:

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

SPRAY DRIFT ADVISORIES

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

Importance of Droplet Size

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

Controlling Droplet Size - Ground Boom

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

Wind

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

Boom-less Ground Applications:

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

Buffer Restrictions and Vegetative Strip Requirements

- Do not apply with ground application equipment within 25 ft of lakes, reservoirs, rivers, permanent streams, marshes, pot holes, natural ponds, estuaries, or commercial fish farm ponds.
- Do not cultivate within 25 ft of the aquatic area to allow growth of a vegetative filter strip.

SPECIFIC USE DIRECTIONS FOR CROP PLANTS

Corn

SOIL PESTS	USE RATES	
	Fluid oz. product/acre (lb. a.i./acre)	Fluid oz. product/1000 row ft @ 30" rows (lb. a.i./1000 row ft)
Nematodes	4 - 6 (0.022 - 0.033)	0.23 - 0.35 (0.0013-0.0019)

At-Plant / Soil Applied Instructions:

For early season seed and seedling protection apply Averland FC in the following method:

- In-furrow spray or dribble during planting directed on or below seed.
- 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.

Specific Use Restrictions:

- Do not apply shallower than 1 inch depth.
- Do not apply more than 0.033 lb. of Abamectin per acre per year as a soil application including seed treatments and in-furrow treatments.

Tuberous and Corm Vegetables Crop Subgroup 1C

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

FOLIAR PESTS	USE RATES
	Fluid oz. product/acre (lb. a.i./acre)
Colorado potato beetle <i>Liriomyza</i> leafminers Potato psyllid Spider mites	1.75 - 3.5 (0.009 - 0.019)
Suppression of Thrips	3.5 (0.019)

Broadcast Instructions:

- Apply with sufficient water or liquid fertilizer to achieve thorough coverage. Sufficient coverage is required for good control.
- Use 1.75-2.5 fl oz per acre for low to moderate infestations and 3.5 fl oz per acre for severe infestations.
- When applying foliarly, Averland FC **must** be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant in order to avoid illegal residues. See the **Mixing Instructions** section for more information.
- Averland FC may be applied by ground, or chemigation. For ground applications, use a minimum of 20 gallons of water or liquid fertilizer spray volume per acre.

Specific Pest Instructions:

- **Colorado potato beetle:** Make the first application after approximately 50% of the egg masses have hatched and larvae are present. If 2 applications are needed, limit them to a single generation per crop.
- ***Liriomyza* leafminers:** Make the first application when adult flies are first observed. Repeat as needed to maintain control while following all use restrictions.
- **Spider mites:** Make the first application when mites first appear. Repeat as needed to maintain control while following all use restrictions. Sticker or binder type tank mix products may reduce control.
- **Thrips:** Apply as a part of a thrips management program then thrips reach economic threshold. Repeat as needed to maintain control following all use restrictions. Do not use as a rescue treatment for thrips control.

Specific Use Restrictions:

- Do not apply more than 3.5 fl oz (0.019 lb a.i.) of Averland FC per acre per application.
- Do not apply more than 10.25 fl oz (0.056 lb a.i.) of Averland FC or any other foliar-applied abamectin-containing product per acre per year.
- Do not make applications of Averland FC or any other foliar-applied abamectin-containing product less than 7 days apart.
- Do not make more than 2 sequential applications of Averland FC or any other foliar-applied abamectin-containing product for resistance management.
- Do not apply within 14 days of harvest (**14 day PHI**).
- Do not use binder or sticker types of adjuvants.
- Do not allow livestock to graze or feed treated foliage to livestock.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in original containers only. Store in a cool and dry place, in such a manner as to avoid cross-contamination. Keep container closed when not in use. 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, or by incineration.]

[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 incineration, 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 incineration, 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.

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

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Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, 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.

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{Optional marketing or other non-FIFRA related language}

Shake Well Before Use

Liquid fertilizer compatible

Designed for liquid fertilizer compatibility

Alloperse Delivery System

Using the Alloperse Delivery System

Mix directly with [most types of] starter fertilizer; NO expensive equipment, NO additives

No worries if weather delays application – product stays mixed in [most] fertilizers for 24 hours with only mild agitation needed

Dust-free formulation