



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

5481-627

Date of Issuance:

3/9/18

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Avensis Insecticide/Miticide

Name and Address of Registrant (include ZIP Code):

Niamh McMahon
Amvac Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660

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


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

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

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

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

Signature of Approving Official:

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

Date:

3/9/18

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Abamectin GDCI-122804-1388

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 5481-627.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product

constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated September 6, 2017
- Alternate 1 CSF dated September 6, 2017
- Alternate 2 CSF dated September 6, 2017
- Alternate 3 CSF dated September 6, 2017

If you have any questions, please contact Melody Banks by phone at (703) 305-5413, or via email at Banks.Melody@epa.gov.

Enclosure

ACCEPTED
 03/09/2018
Under the Federal Insecticide, Fungicide
 and Rodenticide Act as amended for the
 pesticide registered under
 EPA Reg. No. 5481-627

RESTRICTED USE PESTICIDE
 DUE TO TOXICITY CATEGORIES

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USERS COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

GROUP **6** INSECTICIDE

AVENSIS™ Insecticide/Miticide

For control of leafminers and mites and suppression of aphids, whiteflies and thrips on ornamental plants.
 For control of plant-parasitic nematodes and annual bluegrass weevil on golf course greens, tees and fairways.
 Recommended for Agricultural/Commercial Use

ACTIVE INGREDIENT:	% BY WT.
Abamectin (CAS Nos. 65195-56-4 and 65195-55-3):	1.9%
OTHER INGREDIENTS:	98.1%
TOTAL:	100.0%

Contains 0.15 lb 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.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor immediately for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of soap and water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<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 mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity following accidental ingestion of Avenis insecticide/miticide can be minimized by promptly administering 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 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.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone: 1-888-681-4261

For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC® 1-800-424-9300

For Product Use Information phone: AMVAC® 1-888-462-6822

EPA Reg. No. 5481-XXX

NET CONTENTS:

EPA Est. No. _____



AMVAC Chemical Corporation
4100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A.
1-888-462-6822

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING/AVISO:

May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Harmful if inhaled or absorbed with the skin. Avoid contact with skin. Avoid breathing 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)

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

Applicators and other handlers must wear:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber \geq 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- For greenhouse and shadehouse uses, applicators and other handlers must wear a minimum of a NIOSH approved particulate filtering facepiece respirator with any N, R, or P filter with a NIOSH approved number prefix TC-84.

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 CONTROLS

When handlers use closed systems, 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.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

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

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

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

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

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

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

Failure to follow the Directions for Use and Precautions/Restrictions on this label may result in plant injury and/or unacceptable control of target pests.

AGRICULTURAL USE REQUIREMENTS

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

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

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

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

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), WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses. Do not enter or allow others to enter treated areas until sprays have dried.

PRODUCT AND APPLICATION INFORMATION

Avensis insecticide/miticide is an emulsifiable concentrate formulation that contains 0.15 lb of abamectin per gallon. When mixed with water and applied in accordance with the Directions for Use on this label, Avensis insecticide/miticide will control or suppress labelled pests of turfgrass and ornamental plants.

Ornamental Applications: Mix Avensis insecticide/miticide with sufficient water and apply as a foliar spray to obtain uniform coverage. For mite control, apply when mites first appear and repeat as necessary to maintain control. For leafminer control, apply as needed and repeat at 7-day intervals or as necessary to maintain control. Avensis insecticide/miticide may be used as part of a resistance management program that consists of a sequence of insecticide/miticide active ingredients with proven efficacy against mites and/or leafminers.

For suppression of aphids, thrips and whiteflies, apply when young, immature stages of these pests are first observed and repeat every 7 days for two to three weeks. Then rotate to other products that have different modes of action for at least two to three weeks. Refer to the Resistance Management section of this label for additional information. Aphids, thrips and whiteflies are controlled by direct contact with the Avensis insecticide/miticide spray mix.

Residual control of labelled ornamental 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, ornamental plants and Christmas trees. When using horticultural spray oils repeat application as necessary, but no sooner than 7 days to maintain control. Some plants are sensitive to oils. Before making wide scale applications of Avensis insecticide/miticide plus horticultural spray oil, a small number of plants should be treated and observed for at least two weeks after application to ensure plant safety under local conditions. Excessive cold or warm temperatures may increase the likelihood of plant injury from applications of Avensis insecticide/miticide plus horticultural spray oil. Carefully read and follow the Directions for Use on the horticultural spray oil product and do not exceed the maximum rates listed on either label.

Turfgrass Applications: Mix Avensis insecticide/miticide with sufficient water and apply in 1 to 2 gallons of water per 1,000 square feet as a broadcast application to obtain uniform coverage. For nematode applications, Avensis insecticide/miticide should be applied as a seasonal program and an application volume of 2 gallons per 1,000 square feet is recommended. Apply as an early curative treatment (after appropriate nematode extraction, identification and population estimation). Multiple applications may be required before turf quality improvements are observed. For best results, make applications with nozzles that produce extremely coarse droplets [Turbo Floodjet (TF5) or TurfJet (TTJ10)]. Apply to wet turf and irrigate with at least 0.1 inches of water within 1 hour after application. If an application volume of less than 2 gallons per 1,000 square feet is used for nematode applications, then the treated area should be

irrigated with at least 0.1 inch of water as soon as possible after application. The addition of a soil surfactant or soil wetting agent is recommended for turfgrass applications of Avensis insecticide/miticide. Follow all manufacturer applications rates, recommendations and restrictions for the soil surfactant or soil wetting agent product.

All applications of Avensis insecticide/miticide must be made in accordance with the Directions for Use on this label.

RESTRICTIONS:

- Do not apply Avensis insecticide/miticide by air.
- Do not apply Avensis insecticide/miticide through any type of irrigation system.
- Do not apply Avensis insecticide/miticide through any type of ultra-low volume spray system.
- Do not use Avensis insecticide/miticide in citrus nurseries.
- Do not use Avensis insecticide/miticide on ferns and shasta daisy.
- Do not use Avensis insecticide/miticide for suppression of aphids, thrips and whiteflies on roses, chrysanthemums and gerbera. These ornamentals are primary hosts of mites and *Liriomyza* leafminers towards which Avensis insecticide/miticide applications should be targeted. Additional applications of Avensis insecticide/miticide to suppress aphids, thrips and whiteflies on these plants will increase the selection pressure for resistance on mites and *Liriomyza* leafminers.
- Do not apply to golf course roughs.
- Do not apply to residential turf, sports fields or commercial turf.
- Do not apply to turfgrass that is under heat or moisture stress.
- Do not graze treated turf or feed turf clippings from any treated area to poultry or livestock.
- Maximum single application rate for turfgrass application is 0.067 lb AI per acre (57 fl.oz. per acre).
- Minimum application interval for turfgrass applications is 14 days.
- Maximum yearly application rate for turfgrass application is 0.27 lb AI per acre per year (230 fl.oz. per acre per year).

ORNAMENTAL INSECT AND MITE CONTROL

For use in or on: Shadehouses, Greenhouses, Field-Grown Ornamentals, Foliage Plants, Christmas Trees and Other Woody Ornamentals.

Target Pest	Application Rates				Application Information
	Fl.Oz. per Acre	Application Volume (gallons per acre)	Fl.Oz. per 100 gallons	lb AI/A	
Mites:	8	100	8	0.009375	Apply 8 to 16 fl.oz. per acre.
Carmine Spider Mite	8	200	4	0.009375	If an application volume of greater than 400 gallons per acre is being used, then the amount of product per 100 gallons must be reduced appropriately to achieve the desired application rate in fl.oz. per acre.
European Red Mite	8	300	2.67	0.009375	
Southern Red Mite	8	400	2	0.009375	¹ For tarsonemid mites, repeat applications to newly developing tissue may be necessary to maintain control.
Spruce Spider Mite	16	100	16	0.01875	
Two-spotted Spider Mite	16	200	8	0.01875	
Tarsonemid Mites ¹	16	300	5.33	0.01875	
Broad Mites	16	400	4	0.01875	
Cyclamen Mite					
Eriophyid Mites:					
Bud Mites					
Rust Mites					
<i>Liriomyza</i> Leafminers	Same as above.				Apply 8 to 16 fl.oz. per acre. Repeat at 7-day intervals or as necessary to maintain control.
Boxwood Leafminer	Same as above.				Apply 8 to 16 fl.oz. per acre. For control of mining larvae, make the application when adults are beginning to lay eggs in young foliage.
Aphids (suppression only)	Same as above.				Apply 8 to 16 fl.oz. per acre.
Thrips (suppression only)					For suppression of these pests, young, immatures must be contacted by the spray.
Whiteflies (suppression only)					
General Information: Do not apply less than 8 fl. oz. or more than 16 fl. oz. per acre. Use sufficient water to obtain uniform plant coverage. Refer to the Resistance Management and Restrictions sections of this label for additional information.					

The plant safety of Avensis insecticide/miticide, applied both alone and in combination with the myriad of potential tank-mix partners, has not been tested on all ornamental species and varieties under varying agronomic practices and environmental conditions. Before making wide scale applications of Avensis insecticide/miticide, a small number of plants should be treated and observed for at least two weeks after application to ensure plant safety under local conditions.

TURFGRASS INSECT AND NEMATODE CONTROL

For use on golf course greens, tees and fairways. Avensis insecticide/miticide may be applied to all turfgrass species, cultivars and/or hybrids.

Target Pest	Application Interval (Days)	Application Rates			Application Information
		Fl. oz. of Product per 1,000 SQFT	Fl. oz. of Product Per Acre	lb AI/A	
Turf-Parasitic Nematodes	14 to 21	0.33 to 0.65	14.25 to 28.5	0.017 to 0.033	Apply Avensis insecticide/miticide to wet turf. The addition of a soil surfactant or soil wetting agent is recommended. Apply in the early morning while turf is wet with dew or irrigate the area with 0.1 inches of water prior to application. Irrigate treated areas with 0.1 to 0.5 inches of water within 1 hour of application. For best results, apply irrigation before the spray droplets have dried on the turf. Application in 2 gallons of water per 1,000 square feet is recommended. If a lower application volume is used, then it is important to irrigate as soon as possible after application. An appropriate turf fungicide program should be used in conjunction with Avensis insecticide/miticide.
	21 to 28	0.65 to 1.3	28.5 to 57	0.033 to 0.067	
Annual Bluegrass Weevil (<i>Listronotus maculicollis</i>)	14 to 21	0.65 to 1.3	28.5 to 57	0.033 to 0.067	Initiate applications during early- to mid-April. Make three to four applications at 14 to 21 day intervals to prevent damage by first generation annual bluegrass weevil larvae. Apply Avensis insecticide/miticide to wet turf. The addition of a soil surfactant or soil wetting agent is recommended. Apply in the early morning while turf is wet with dew or irrigate the area with 0.1 inches of water prior to application. Irrigate treated areas with 0.1 to 0.5 inches of water within 1 hour after application. For best results, apply irrigation before the spray droplets have dried on the turf. Application in 2 gallons of water per 1,000 square feet is recommended.

TURFGRASS APPLICATION DILUTION CHART

Application Volume (Gallons per 1,000 Square Feet)	Application Rate (fl.oz.)		Fluid Ounces (fl.oz.) of Avensis insecticide/miticide Diluted to These Volumes of Finished Spray			
	Product per 1,000 SQFT	Product Per Acre	25 Gallons	50 Gallons	100 Gallons	200 Gallons
1	0.33	14.25	8.25	16.5	33	66
	0.65	28.5	16.25	32.5	65	130
	1.3	57	32.5	65	130	260
2	0.33	14.25	4.125	8.25	16.5	33
	0.65	28.5	8.125	16.25	32.5	65
	1.3	57	16.25	32.5	65	130

Do not apply Avensis insecticide/miticide to turf that is under heat or moisture stress. The turf safety of Avensis insecticide/miticide, applied both alone and in combination with the myriad of potential tank-mix partners, has not been tested on all turfgrass species and cultivars under varying agronomic practices and environmental conditions. Before making wide scale applications of Avensis insecticide/miticide, a small area of turf should be treated and observed for at least two weeks after application to ensure turf safety under local conditions.

MIXING AND CHEMICAL COMPATIBILITY INFORMATION

Use clean and properly calibrated spray equipment. Follow the recommendations of your State Cooperative Extension Service, consultant or pest control advisor for tank-mixing with other products. Add one half of the necessary volume of water to the spray or mixing tank and start agitation. Add Avensis insecticide/miticide and tank-mix partner products to the tank in the following order: 1) water-soluble packets (wait for packets to completely dissolve); 2) wettable powders and water-dispersable granular products; 3) liquid flowables or suspension concentrates; 4) Avensis insecticide/miticide and other emulsifiable concentrates; and 5) water soluble fertilizers, such as AMS or UAN, and other spray additives. Complete tank filling by adding water to achieved the desired final volume. Maintain agitation throughout the application. Do not allow the spray mixture to remain in the tank overnight or for long periods of time during the day without agitation.

Avensis insecticide/miticide is compatible with most commonly used fungicide, insecticide, herbicide, plant growth regulator and foliar nutrient products. However, the physical compatibility of Avensis insecticide/miticide with all potential tank-mix partners has not been fully investigated. If tank-mixing with other products is desired, conduct a jar test with the water volume and pesticide application rates that are being considered for turfgrass application. Place the appropriate quantity of water in a small jar and add the proportionate amounts of products in the following order: 1) wettable powders and water-dispersable granular products; 2) liquid flowables or suspension concentrates; and 3) Avensis insecticide/miticide and other emulsifiable concentrates; and 4) water soluble fertilizers, such as AMS or UAN, and other spray additives. After mixing thoroughly, let the mixture stand for at least 15 minutes then observe looking for signs of separation, globules, sludge, flakes or other precipitates. Physical compatibility is confirmed if the combination remains mixed or can be remixed readily by shaking lightly.

Tank-mixtures of Avensis insecticide/miticide with other pesticides must be applied in accordance with the most restrictive of label restrictions, limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. When tank-mixing with other products, it is the responsibility of the end-user/applicator to ensure that the tank-mix partner is registered in the state where the application is being made. Not all products are registered in all states; please verify state registration of all tank-mix products in your state before selling, distributing or using.

SPRAY ADDITIVES: Use of spray additives such as spreaders, extenders, trace elements or fertilizers should be evaluated on a small scale before making wide scale applications. The label directions for use provided here are based on data obtained with no additives and the use of these products with Avensis insecticide/miticide may affect the results. Contact local university extension service personnel or an AMVAC representative before using spray additives with Avensis insecticide/miticide.

The active ingredient in Avensis insecticide/miticide is a Glutamate-gated Chloride Channel Allosteric Modulator (IRAC Group 6). To maintain the long-term effectiveness of Avensis insecticide/miticide, it should be incorporated into an insect/mite/nematode management program that utilizes as many different modes of action as possible to control target pests. Agronomic and cultural practices that reduce overall insect, mite and nematode pressure are a critical component of resistance management. Contact your local university cooperative extension service or pest management consultant for information on resistance management.

SPRAY DRIFT MANAGEMENT

Application equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed when applying Avensis insecticide/miticide. Avoiding spray drift is the responsibility of the applicator. To reduce the potential for drift, the application equipment must be adjusted to produce medium to large droplets (i.e. ASAE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume, using the appropriate droplet size to ensure adequate distribution, coverage and penetration. With most nozzle types, narrower spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

WIND: Make applications when wind velocity favors on-target deposition (approximately 3 to 10 mph). Avoid making applications when spray particles may be carried by air currents outside the targeted treatment area. Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. Always make applications when there is some air movement to determine the direction and distance of possible spray drift. Local terrain may influence wind patterns. The applicator should be familiar with local conditions and understand how they may impact spray drift. Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Verify that shields do not interfere with uniform deposition of product before application.

TEMPERATURE AND HUMIDITY: High temperatures and low humidity increase the evaporation rate of spray droplets and therefore the likelihood of spray drift. Avoid spraying during high temperature and/or low humidity conditions.

TEMPERATURE INVERSION: A surface temperature inversion (i.e., increasing air temperature with increasing altitude) greatly increases the potential for drift. Do not apply during a temperature inversion. Avoid application when conditions are favorable for the formation of an inversion. Presence of ground fog is a good indicator of a surface temperature inversion. The applicator may detect the presence of an inversion by producing smoke and observing whether a smoke layer forms near the ground surface.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: 1-800-424-9300.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Empty containers retain vapor and product residues

Plastic Containers (five gallons or less): Nonrefillable container. Do not reuse or refill this container. 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 $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

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