

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Christie Hitchcock Regulatory Specialist Makhteshim Agan of North America 4515 Falls of Neuse Road, Suite 300 Raleigh, NC 27609

MAR 2 4 2011

Product Name:

Orius® 3.6F

EPA Reg. No.:

66222-117

Subject:

Your amendment dated March 8, 2011 adding leatherleaf ferns

EPA Decision Number: 440277

Dear Ms Hitchcock:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following change is made:

- 1. On page 2, in the list of ingredients, change "INERT INGREDIENTS" to "OTHER INGREDIENTS".
- 2. On page 31, in the warranty section, change the next to last sentence to read as follows: "To the extent consistent with applicable law, MANA accepts no responsibility and shall not be liable for phytotoxicity or side effects of Orius 3.6F used on Leatherleaf ferns under any condition.".

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

> Sincerely, Mary L. Walle

Mary L. Waller

Product Manager (21)

Fungicide Branch

Registration Division (7504P)

ACCEPTED with COMMENTS In EPA Letter Dated: 3/24/2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act, an amended, for the pesticide registered under EPA Reg. No.

MASTER LABEL

Orius® 3.6F

Foliar Fungicide

66222-117

Sublabel A: Agricultural Uses

- A. Vegetable Crops including Asparagus, Beans (fresh & dry except succulent shelled), Cucurbit Vegetable Group, Dry Bulb Onion, Garlic, Great-Headed (Elephant) Garlic, Welch Onion, Shallot, Green Onion, Leek, Spring Onion, Scallion, Japanese Bunching Onion, Green Shallots, Green Eschalots, Garden Beet, Leafy Brassica Greens Group, Okra and Turnip.
- B. Field Crops including Barley, Corn (sweet corn, field corn, field corn grown for seed and popcorn), Cotton, Grasses Grown for Seed, Peanuts, Soybeans, Sunflower, Wheat and Seed Treatment (sweet corn, field corn, field corn grown for seed and
- C. Fruit and Nut Crops including Lychee, and Pecan.
- D. Miscellaneous Crops: Hops and Leatherleaf fern.

Sublabel B: Turf and Ornamental Uses *

- * Not for Use in California
 - A. Disease Control in Golf Course Turf
 - B. Disease Control in Field, Nursery and Container Ornamentals and Commercial and Residential Landscapes including Roses, Flowers, Ornamental Crabapples, Dogwoods and Other Landscape Trees, Azaleas, Camellias, Rhododendrons and Other Landscape Ornamental Shrubs, Ground Covers, Vines and Leatherleaf Fern.

ACTIVE INGREDIENT: % BY WT. Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1ethanol 38.7% 100.0% TOTAL:

Contains 3.6 pounds tebuconazole per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

Manufactured for:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA Reg. No. 66222-117

EPA Est. No.

NET CONTENTS: GALLONS

Sublabel A: Agricultural Uses

Orius® 3.6F

Foliar Fungicide

Contains tebuconazole, the active ingredient used in Folicur 3.6F. Orius 3.6F is not manufactured or distributed by Bayer CropScience.

ACTIVE INGREDIENT:	% BY WT
Tebuconazole:	
alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	38.7%
INERT INGREDIENTS:	61.3%
TOTAL:	100.0%
Contains 3.6 nounds tehuconazole per gallon	

KEEP OUT OF REACH OF CHILDREN CAUTION

Manufactured for:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA Reg. No. 66222-117

EPA Est. No.

NET CONTENTS: GALLONS

	FIRST AID
IF	Call a poison control center or doctor immediately for treatment advice.
SWALLOWED:	Have person sip a glass of water if able to swallow.
	Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give anything by mouth to an unconscious person.
IF ON SKIN	Take off contaminated clothing.
OR	Rinse skin immediately with plenty of water for 15 to 20 minutes.
CLOTHING:	Call a poison control center or doctor for treatment advice.
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing
	eye.
•	Call a poison control center or doctor for treatment advice.
IF INHALED:	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 further treatment advice.
Have the produc	t container or label with you when calling a poison control center or doctor or going for

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call Prosar 24 hours a day at 1-877-250-9291.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- · Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or Viton
- · Shoes plus socks

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 STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft 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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, fish, and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Label Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. 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 for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) listed in the specific crop directions.

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
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or Viton
- Shoes plus socks

Spray Volume: Orius[®] 3.6F may be applied in a minimum of 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Chemigation: Apply Orius 3.6F through irrigation equipment only to Dry Bulb Onion, Garlic, Great-Headed (Elephant) Garlic, Welch Onion, Shallot, and leatherleaf fern in Florida to suppress anthracnose. Apply this product only through center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply this product 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. Contact State Extension Service specialist, equipment manufacturers or other experts if you have questions regarding calibration. Do not connect an irrigation systems (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 adjusts if the need arises.

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 regular 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 flow 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.

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 back flow. 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 dosed, 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. Pesticide may be applied continuously for the duration of the water application.

Mixing: Add labeled amount of Orius 3.6F into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the Orius 3.6F should be thoroughly dispersed prior to the addition of other materials.

Do not tank mix with products containing a prohibition against tank mixing. Follow the most restrictive labeling requirements of any tank mix product.

Compatibility: To determine the compatibility of Orius 3.6F with other products, use the following procedure: Pour the labeled proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be remixed readily, the mixture is considered physically compatible. For further information contact your local Makhteshim Agan representative.

Resistance Management Statement

Orius 3.6F is a Group 3 fungicide which exhibits no known cross-resistance to other fungicide groups. However, fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Any fungal population may contain or develop individuals that are resistant to Orius 3.6F and other Group 3 fungicides. If Group 3 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted diseases, the resistance isolates may eventually dominate the fungal population. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotation and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide resistance management and/or integrated disease management recommendations for specific crops and resistant disease populations. Makhteshim Agan of North America, Inc. encourages responsible management to ensure effective long-term control of the fungal disease on this label.

AGRICULTURAL CROPS APPLICATION INSTRUCTIONS

VEGETABLE CROPS

CROP	DISEASE	RATE OF ORIUS 3.6 F	
ASPARAGUS	Rusts (Puccinia spp.)	4 to 6 fl oz per acre	
	Notes: Apply Orius 3.6F as a folia	r spray to the developing ferns	
		after harvest of spears is completed. Apply at the earliest sign of	
	rust pustules or when weather con	ditions are conducive for rust	
	development. Apply 4 to 6 fl oz of	development. Apply 4 to 6 fl oz of Orius 3.6F per acre (0.11 lb ai -	
	0.17 lb ai per acre) in alternation w	vith another effective fungicide.	
	Under conditions of severe rust pr	essure, use the higher rate.	
	Repeat applications on a 14-day in	nterval as necessary to maintain	
	control of rust. Do not apply to har	vestable spears. Do not apply	
	within 100 days of harvest in Califo	ornia and 180 days in all other	
states. Do not make more than three foliar application		ee foliar applications per season	
	(18 fl oz/acre or 0.51 lb ai/acre).		
	(continued o	n next page)	

ASPARAGUS (continued)

Comments: Applications may be made using ground or aerial application equipment. A 50 foot spray drift buffer zone is required for all aerial applications. For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F is a sterol demethylation inhibitor (DMI) fungicide (Group 3). Alternating Orius 3.6F with other DMI fungicides may lead to resistance. Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
BEANS	Rust (Uromyces appendiculatus)	4 to 6 fl oz per acre
(fresh & dry except succulent	Notes: Apply Orius 3.6F in a protective spray schedule or when	
shelled)	weather conditions are favorable for rust development. Repeat	
	applications at 14-day intervals, or as necessary to maintain control.	
	Beans, fresh: Orius 3.6F may be applied up to 7 days before	
	harvest. Do not apply more than 24 fl oz of	Orius 3.6F per acre per
	crop season. Beans, dry: Orius 3.6F may b	e applied up to 14 days
	before harvest. Do not apply more than 12	fl oz of Orius 3.6F per
	acre per crop season.	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on bean foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
CUCURBIT VEGETABLES	Powdery mildew	4 to 6 fl oz per acre
GROUP	(Sphaerotheca fuliginea /	
Chayote	Podosphaera xanthii)	
Chinese waxgourd	(Erysiphe cichoracearum)	
-Citron-melon	Gummy stem blight - suppression	8 fl oz per acre
Cucumber	(Didymella bryonae) (watermelon,	
Gherkin	squash, pumpkin, and melons only)	
Edible gourd, (includes hyotan,	Notes: Apply the specified dosage in a pro	
cucuzza, hechima and Chinese	foliage and fruit. Repeat applications at 10-	
okra)	Orius 3.6F may be applied up to 7 days be	
Momordica spp. (includes	apply more than 24 fl oz of Orius 3.6F per	acre per crop season.
balsam		
apple, balsam pear, bitter melon		
and		
Chinese cucumber)		
Muskmelon (includes		
cantaloupe,		
casaba, crenshaw melon, golden		
pershaw melon, honeydew		
melon, honey balls, mango melon,		
Persian		
melon, pineapple melon, Santa		
Claus melon and snake melon)		
Pumpkin		
Summer squash (includes		
crookneck		
squash, scallop squash,		
straightneck		
squash, vegetable marrow and		
zucchini)		
Winter squash (includes		
butternut		
squash, calabaza, hubbard		
squash,		
acorn squash and spaghetti		i
squash)		
Watermelon	2.05 314 45 45 45 45 45 45 45 45 45 45 45 45 45	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3). Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
DRY BULB ONION	White rot	White rot: 20.5 fl oz per
GARLIC	(Sclerotium cepivorum)	acre applied in a 4 to 6
GREAT-HEADED (ELEPHANT)		inch band over/into
GARLIC		each furrow.
WELCH ONION		May be applied by
SHALLOT		chemigation to control
		white rot.
	Rust	4 to 6 fl oz per acre
	(Puccinia allii, Puccinia porri)	
	Purple biotch	
	(Alternaria porii)	
	White rot: For the control of white rot, make	
	furrow at the time of planting. Make the in-	· ·
	rate of 20.5 fl oz Orius 3.6 F per acre. Apply the entire per acre rate	
	in a 4 to 6 inch band over/into each furrow. Additional control may	
	be obtained by including two foliar applications at 4 to 6 fl oz/acre.	
	Rust: For the control of rust make foliar applications at the rate of 4	
	to 6 fl oz Orius 3.6 F per acre per application. Repeat at an interval	
	of 10 to 14 days.	
	Apply Orius 3.6F F in a protective spray so	
•	conditions are favorable for rust developme	
,	Notes: Do not apply more than 32.5 fl oz Orius 3.6 F per acre per	
	season if an in-furrow treatment is made. If Orius 3.6 F is not	
	applied as an in-furrow treatment then do not apply more than 12 fl	
	oz Orius 3.6 F per acre per season as a foliar spray. Do not apply	
Commente: For antimum results	within 7 days of harvest (PHI = 7 days). Use as a preventative treatment. Begin appli	cations as soon as cron

Comments: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
GARDEN BEET roots and tops (leaves)	Cercospora leaf spot (Cercospora beticola)	3 to 7.2 fl oz per acre
Tools and tops (leaves)	Notes: Make applications on 14 day intervals. Do not apply mo 28.8 fl oz Orius 3.6F per acre per season. Do not apply within 7 of harvest (PHI = 7 days).	

Comments: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
GREEN ONION, LEEK,	White rot caused by Sclerotium	4 to 6 fl oz per acre
SPRING ONION, SCALLION,	cepivorum	
JAPANESE BUNCHING	suppression only	
ONION, GREEN SHALLOTS	Rust (Puccinia allii, Puccinia porri)	
AND GREEN ESCHALOTS	Purple blotch (Alternia porii)	
	For the control of diseases make foliar app	lications using an interval
	of 10 to 14 days. Apply Orius 3.6F in a protective spray schedule or	
	when weather conditions are favorable for rust development.	
	Notes: Do not apply more than 24 fl oz of Orius 3.6F per acre per	
	season. Do not apply within 7 days of harv	est (PHI = 7 days).

Comments: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted entry interval (REI) is 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
LEAFY BRASSICA GREENS (Broccoli raab, Chinese cabbage	Cercospora leaf spot (Cercospora brassicicola)	3 to 4 fl oz
(bok choy), collards, kale, mizuma, mustard greens, mustard spinach, rape greens,	Powdery mildew (Erysiphe cruciferarum) Alternaria leaf spot (Alternaria brassicicola)	
turnip greens)	Notes: Make applications on a 10 day interval. Do not apply more than 16 fl oz Orius 3.6F per acre per season. Do not apply within 7 days of harvest (PHI = 7 days).	

Comments: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restriction: Application to turnip greens is limited to East of the Rockies.

Restricted Entry Interval (REI) is 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
OKRA	Cercospora leaf spot	4 to 6 fl oz per acre
	(Cercospora spp.)	
	Notes: Apply specific dosage of Orius 3 program. Use the highest rate when dis favorable and in areas where high disea Applications may be repeated at 14-day maintain control of the disease. Apply s spray in a minimum of 20 gallons of spray in a minimum of 5 gallons of spray applications may be made no closer that Do not apply more than 24 fl oz of Orius	ease conditions are use pressure is expected. Intervals in order to pecified dosage as a foliar ay solution per acre by ay solution by air.
Commenter For entireum di	soaso control tank mix Orius 2 65 with the lower	of labeled rate of a aprov

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
TURNIP (Application is limited to	Cercospora leaf spot	4 to 7.2 fl oz per acre
East of the Rockies)	(Cercospora brassicicola)	
	Notes: Apply the specified dosage in a protective spray schedule	
	to foliage. Repeat applications at 12- to 14-day intervals. Orius	
	3.6F may be applied up to 7 days before harvest. Do not apply	
	more than 28.8 fl oz of Orius 3.6F per acre per crop season.	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6 F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3). Restricted-entry interval (REI) = 12 hours.

FIELD CROPS

CROP	DISEASE	RATE OF ORIUS 3.6 F
BARLEY	Rusts (Puccinia spp.)	4 fl oz per acre
	Head blight (Fusarium spp.) –	
	Suppression	
	Notes: Apply Orius 3.6F in a minimum of 1	
	solution per acre by ground or in a minimur	
·	solution per acre by air. A maximum of 4 fl	
	applied per acre per crop season. Do not a	. , ,
	harvest. Straw cut after harvest may be fee	9
	Grazing livestock or feeding of green forage is permitted 6 or more	
	days after the last application of Orius 3.6F. Observe barley fields	
	closely for early disease symptoms, particularly when susceptible	
	varieties are planted and/or under prolonged conditions favorable	
	for disease development.	
	Application timing directions:	
	Rusts: Apply Orius 3.6F at the earliest sign of rust pustules on	
	foliage.	
	Fusarium head blight: Optimal timing of Or	
	head blight suppression is when main stem	
	emerged (Feekes 10.5) on 50% of the plan	its.

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest specified rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry Interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
CORN	Rust (Puccinia spp.)	4 to 6 fl oz per acre
(sweet corn, field corn, field com grown for seed, and popcorn)	Northern leaf blight (Helminthosporium turcicum)	
	Southern leaf blight (Helminthosporium maydis)	
	Northern leaf spot (Helminthosporium carbonum)	
	Gray leaf spot (Cercospora zeae-maydis)	
	Notes: Apply Orius 3.6F in a protective spray schedule or when weather conditions are favorable for disease development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. A maximum of 24 fl oz (1.5 pint) of Orius 3.6F may be applied per acre per crop season. Sweet corn: Orius 3.6F may be applied up to 7 days before the harvest of ears or forage, and 49 days before the harvest of fodder. Field, seed, or popcorn: Orius	
	3.6F may be applied up to 21 days before the harvest of forage, and 36 days before the harvest of grain or fodder.	
Commente: For entimum disease	control tank mix Orius 3 6F with the lowest	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on corn foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) for sweet corn = 19 days.

Restricted-entry interval (REI) for all corn except sweet corn = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
COTTON	Southwestern cotton rust (Puccinia	6 to 8 fl oz per acre
	cacabata)	
	Notes: Apply Orius 3.6F in a protective spray schedule or when weather conditions are favorable for rust development. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. Orius 3.6F may be applied up to 30 days before harvest. Do	
not apply more than 24 fl oz of Orius 3.6F per acre per cro		per acre per crop season.
Comments: For opti	mum disease control, tank mix Orius 3.6F with the low	est labeled rate of a spray

surfactant. Orius 3.6F must have two to four hours of drying time on cotton foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
GRASSES GROWN FOR	Rusts (Puccinia spp.)	4 to 8 fl oz per acre
SEED	Apply the specified rate of Orius 3.6F as soon as weather conditions are favorable for rust development or when first rust pustules are present. Repeat applications at 14- to 16-day intervals. Under heavy-disease pressure use 6 to 8 fl oz/A and shorter spray intervals.	
	Powdery mildew	4 to 8 fl oz per acre
	Apply specified rate of Orius 3.6F when powdery mildew first	
	appears on the leaves. Repeat applications at 14- to 16-day	
	intervals. Under heavy disease pressure use 6 to 8 fl oz/A and	
Analytha anais	shorter spray intervals.	

Comments: Apply the specified rate in a minimum of 20 gallons of water per acre with ground sprayers or in a minimum of 10 gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control.

For optimum benefit, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. A maximum of 16 fluid ounces (1 pint) may be applied per acre per crop season. Orius 3.6F may be applied up to 4 days before harvest. Chaff, screenings and straw from treated areas may be used for feed purposes; however, do not use forage, cut green crop, or use seed for feed purposes. Regrowth may be grazed starting 17 days after last application. Restricted-entry interval (REI) = 12 hours

CROP	DISEASE	RATE OF ORIUS 3.6 F
PEANUTS	SOILBORNE: Sclerotium stem and pod rot (white mold, southern blight, southern stem rot) Rhizoctonia limb rot Rhizoctonia pod rot (Virginia and North Carolina only) FOLIAR: Early leaf spot Late leaf spot Leaf rust Web blotch (Phoma) Pepper spot (Leptosphaerulina) FOUR-APPLICATION SPRAY PROGRA rate in a preventive spray schedule. Se timing of applications. Make applications and following applications of Orius 3.6F to of resistant strains of fungi. For optimum such as leaf rust, web blotch, and pepper	M: Apply the specified e table below for proper of chlorothalonil prior to discourage development control of foliar diseases spot, tank mix Orius 3.6F
	such as leaf rust, web blotch, and pepper with the lowest label labeled rate of a spray LEAF SPOT ADVISORY SCHEDULE:	spot, tank mix Orius 3.6F surfactant. For control of soilborne
·	diseases in an advisory schedule, apply advisory spray in July and continue Orius day intervals. After August 15, tank chlorothalonil for resistance management particles. (continued on next particles)	3.6F applications at 14- c mix Orius 3.6F with ourposes.

PEANUTS (continued)

DIRECTIONS: For optimum control of the specified soilborne diseases, four consecutive applications of Orius 3.6F must be made at 14-day intervals.

A maximum of 28.8 fluid ounces of Orius 3.6F may be applied per crop season. Orius 3.6F may be applied up to 14 days before harvest. Do not feed hay or threshings or allow livestock to graze in treated areas.

Orius 3.6F is a sterol demethylation inhibitor (DMI) fungicide. Chlorothalonil may be tank mixed at the rate of 12 ounces of active ingredient with Orius 3.6F as a leaf spot resistance management strategy. A spray surfactant is not necessary when Orius 3.6F is tank mixed with chlorothalonil. Mixing or alternating Orius 3.6F with other DMI fungicides may lead to resistance.

Orius 3.6F must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by *Sclerotium rolfsii* and *Rhizoctonia solani*. Drought conditions will decrease the effectiveness of Orius 3.6F against the root and pod rots.

Use Orius 3.6F in conjunction with cultural practices that are known to reduce the severity of soilborne diseases, such as proper crop rotation practices.

Restricted-entry Interval (REI) = 12 hours.

Timing of ORIUS 3.6F Application for Optimum Control of White Mold and Rhizoctonia Limb and		
Pod Rot		
Spray Program	ORIUS 3.6F Application No.	Chlorothalonil Application No.
7 applications	3, 4, 5 and 6	1, 2 and 7

CROP	DISEASE	RATE OF ORIUS 3.6 F
SOYBEAN	Rust (Phakopsora pachyrhizi)	3 to 4 fl oz per acre
	Powdery mildew (Microsphaera diffusa)	

Use Directions: Apply Orius 3.6F as a broadcast foliar spray as a preventative spray or at first visible symptoms of disease. Repeat applications on a 10- to 14-day spray interval if environmental conditions are favorable for continued disease development. Use the higher rates and shorter spray intervals when disease pressure is severe. Tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Apply Orius 3.6F in a minimum for 10 gallons of spray solution per acre by ground sprayer or in a minimum of 5 gallons per acre by aircraft spray equipment.

Restrictions: Applications may not be made within 21 days of harvest. Do not apply more than 3 applications per season. Do not apply more than 12 fl oz/A per use season. Restricted-entry interval (REI) = 12 hours.

CROP	DISEASE	RATE OF ORIUS 3.6 F
SUNFLOWER	Rust	4 to 6 fl oz per acre
	(Puccinia helianthi)	
	Notes: Apply specific dosage of Orius 3.6F at the earliest sign of	
	infestion (rust pustules developing) or when weather conditions are	
	favorable for rust development. Apply higher rate to highly susceptible varieties and/or under severe disease conditions. Application may be repeated at 14 days if necessary to maintain control of the disease. Apply specified dosage in a minimum of 20 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air.	
Do not apply more than 16 fl oz of Orius 3F per acre per within 50 days of harvest.		er acre per season or

SUNFLOWER (continued)

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest labeled rate of a spray surfactant. Contact your state Extension Service or Makhteshim Agan of North America, Inc. representative for a list of approved surfactants. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3). Restricted-entry interval (REI) = 12 hours.

DISEASE	RATE OF ORIUS 3.6 F
Rusts; leaf, stem, and stripe (Puccinia spp.)	4 fl oz per acre
Head blight or scab (<i>Fusarium</i> spp.) – Suppression	
Notes: Observe wheat fields closely for early	disease symptoms,
particularly when susceptible varieties are plate prolonged conditions favorable for disease description of 4 fl oz of Orius 3.6F may be applied per action apply within 30 days of harvest. Straw material bedding. Do not allow livestock to graze or fellivestock prior to 6 days after treatment with 0.3.6F in a minimum of 10 gallons of spray solution or in a minimum of 5 gallons of spray solution application timing directions: Rusts: Apply Orius 3.6 F at the earliest sign of Fusarium head blight: Optimal timing of Orius blight suppression is the beginning of flowering	evelopment. A maximum re per crop season. Do by be fed or used for ed green forage to Orius 3.6F. Apply Orius tion per acre by ground, per acre by air. f rust pustules on foliage. 3.6F for Fusarium head
	Rusts; leaf, stem, and stripe (<i>Puccinia</i> spp.) Head blight or scab (<i>Fusarium</i> spp.) – Suppression Notes: Observe wheat fields closely for early particularly when susceptible varieties are pla prolonged conditions favorable for disease de of 4 fl oz of Orius 3.6F may be applied per act not apply within 30 days of harvest. Straw may be be applied per act not apply within 30 days of harvest. Straw may be be applied per act not apply within 30 days of harvest. Straw may be be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply within 30 days of harvest. Straw may be applied per act not apply applied per act not appl

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest specified rate of a spray. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3). Restricted-entry Interval (REI) = 12 hours.

SEED TREATMENT- Corn (Sweet Corn, Field Corn, Field Corn Grown For Seed, and Popcorn)
For control of soilborne and seedborne Fusarium and soilborne and seedborne head smut.

SEED LABELING: To meet U.S. Federal Seed Act requirements, all seed treated with Orius 3.6F must be labeled:

TREATED SEED, DO NOT USE FOR FOOD, FEED, OR OIL PURPOSES. Treated with Tebuconazole.

USE PRECAUTION: When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

subsequent madvertent use as a rood for man or feed for animals.			
DISEASE	RATE FL OZ/CWT	DIRECTIONS FOR USE	
Soilborne and Seedborne Fusarium	0.071	Apply as a seed treatment using standard slurry or mist-type seed treatment	
Fusalium	·	equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Use only sound and well-cured seed for treatment. Dilute product with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding slurry rates specified for the crop to be treated with Orius 3.6F. The length of control will vary depending on the rate used.	
Soilborne and Seedborne Head smut (Sphacelotheca reiliana)	0.27-0.54		

FRUIT AND NUT CROPS

CROP	DISEASE	RATE OF ORIUS 3.6 F
LYCHEE	Anthracnose	4 to 6 fl oz per acre
	(Colletotrichum gloeosporioides)	·
	Notes: Begin first application of Orius 3	3.6F as panicle emerges.
	Spray up to 6 fl oz per acre every 10 da sprays. Apply specified dosage in a mir	•
	solution per acre by ground only. Do not apply more that	. , ,
	Orius 3.6F per acre per season. Orius 3	3.6F can be applied up to and
	including the day of harvest (PHI = 0 day	ays).

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest specified rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 2 days.

CROP	DISEASE	RATE OF ORIUS 3.6 F
PECAN	Brown leaf spot	4 to 8 fl oz per acre
	(Sirosporium diffusium)	
	Downy spot	
	(Mycosphaerella caryigena)	
***************************************	Liver spot	
	(Gnomonia caryae)	
	Scab	İ
	(Cladosporium caryigenum)	
	Vein spot	
	(Gnomonia nerviseda)	
	Zonate leaf spot	
	(Grovesinia pyramidalis)	
	Notes: Apply Orius 3.6F in a preventive spray schedule beginning	
	early bud break (young leaves unfolding),	and continue applications
	at 10- to 14-day intervals through the pollination period. Apply Orius	
	3.6F at 4 fl oz per acre in a tank-mix with t	
	Tin® in cover sprays. Follow label directions	for the use of Super-Tin.
	Do not add a surfactant to the spray solutio	
	3.6F with Super-Tin. Apply Orius 3.6F in	• •
	more gallons per acre by air or 50 or m	
	ground. Apply 7 to 8 fl oz per acre of Oriu	
	trees, and 4 to 6 fl oz per acre of Orius 3.6	
,	the high rate to varieties that are highly su	
	diseases, or when severe disease cond	
	labeled rate of a surfactant may be added	
	optimum control of the indicated diseases. I	
	begin to split. A maximum of 32 fl oz of Orius	
	acre per crop season. Do not cut cover crop	s in treated areas for feed
	or allow livestock to graze treated areas.	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest specified rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy. Restricted-entry interval (REI) = 12 hours.

MISCELLANEOUS CROPS

CROP	DISEASE	RATE OF ORIUS 3.6 F
HOPS	Powdery mildew	4 to 8 fl oz per acre
	(Sphaerotheca humuli /	
	Sphaerotheca macularis)	
	Notes: Apply the specified dosage	in a protective spray schedule to
	foliage. Repeat applications at 10- to 14-day intervals. Or may be applied up to 14 days before harvest. Do not applied than 32 fl oz of Orius 3.6F per acre per crop season. Increspray volume and the application rate as vine growth increspray.	
	during the season.	

Comments: For optimum disease control, tank mix Orius 3.6F with the lowest specified rate of a spray surfactant. Orius 3.6F must have two to four hours of drying time on plant foliage for the active ingredient to move systemically into plant tissue before rain or irrigation occurs. After this period of time, Orius 3.6F will be resistant to weathering. Orius 3.6F is a demethylation inhibitor (DMI) fungicide (Group 3).

Restricted-entry interval (REI) = 12 hours.

PLANT	DISEASE	RATE OF ORIUS 3.6 F
LEATHERLEAF FERN	Anthracnose (suppression)	5 to 10 fl oz per acre
(FLORIDA ONLY)	Notes: Make the first application before anthracnose symptoms are present and continue at 12- to14-day intervals. USE RESTRICTIONS: A maximum of 5 pints of Orius 3.6F may be applied per acre per year.	

Comments: Apply Orius 3.6F in a minimum of 5 gallons of spray solution per acre using ground equipment or chemigation.

Restricted-entry interval (REI) = 12 hours.

USE LIMITATIONS:

Orius 3.6F can cause phytotoxicity to Leatherleaf fern under certain environmental conditions. Applications in temperatures less than 70°F can cause phytotoxicity in the form of leaf burning and/or yellowing. Application followed by temperatures falling below 55°F can cause similar symptoms. Before using this product on Leatherleaf Fern, read the LIMITATION OF WARRANTY AND LIABILITY section in its entirety.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

- Apply only during alternate years in fields adjacent to aquatic areas listed above.
- Do not apply by ground or air within 100 feet of aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray Drift Management: For aerial applications, mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. Use the minimum practical boom length, and do not exceed 75% of the wing span or rotor diameter. Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment. Release the spray at the lowest possible height consistent with good pest control and flight safety. Avoid applications more than 10 feet above the crop canopy. Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). 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. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity

and/or high temperature. Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to **PRECAUTIONARY STATEMENTS** on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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

Refillable Container: Refillable container. Refill this container with tebuconazole only. Do not reuse this 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 refiller. To clean the 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. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

MANA accepts no responsibility and shall not be liable for phytotoxicity or side effects of Orius 3.6F used on Leatherleaf ferns under any conditions.

Orius is a registered trademark of Irvita Plant Protection, N.V.

Orius 3.6F (66222-117) (to EPA 09-10-10) 066222-00117.20100910f.Orius3_6Amend.pdf

Sublabel B: Turf and Ornamental Uses * * Not for Use in California

Orius® 3.6F

Foliar Fungicide

ACTIVE INGREDIENT:	% BY WT.
Tebuconazole:	
alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	38.7%
OTHER INGREDIENTS:	61.3%
TOTAL:	100.0%
Contains 3.6 pounds tebuconazole per gallon	

KEEP OUT OF REACH OF CHILDREN CAUTION

Manufactured for:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA Reg. No. 66222-117

EPA Est. No.

NET CONTENTS: GALLONS

	FIRST AID		
iF	Call a poison control center or doctor immediately for treatment advice.		
SWALLOWED:	Have person sip a glass of water if able to swallow.		
	Do not induce vomiting unless told to do so by a poison control center or doctor.		
	Do not give anything by mouth to an unconscious person.		
IF ON SKIN	Take off contaminated clothing.		
OR	Rinse skin immediately with plenty of water for 15 to 20 minutes.		
CLOTHING:	Call a poison control center or doctor for treatment advice.		
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.		
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing		
	eye.		
	Call a poison control center or doctor for treatment advice.		
IF INHALED:	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 further treatment advice.		
Have the product	t container or label with you when calling a poison control center or doctor or going for		
	nedical emergencies, call Prosar 24 hours a day at 1-877-250-9291.		
	ICIAN: No specific antidote. Treat symptomatically.		
	Poisoning: The compound does not cause any definite symptoms that would be		
diagnostic. Cont	act with the eyes may cause irritation.		

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or Viton
- · Shoes plus socks

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 STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft 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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, fish, and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Surface Water Label Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. 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 for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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

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

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
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or Viton
- Shoes plus socks

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.

Entry Restrictions for Non-WPS Uses: Do not enter or allow others to enter the treated area until sprays have dried.

Spray Volume: For turf, apply Orius® 3.6F in 66-132 gallons of water per acre by ground sprayer. For ornamentals other than leatherleaf fern, use 50-300 gallons of finished spray per acre depending upon equipment, plant species and plant growth stage at the time of application. For leatherleaf fern, apply Orius 3.6F in a minimum of 5 gallons of finished spray per acre using ground equipment or chemigation. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Chemigation: Apply Orius 3.6F through irrigation equipment only to leatherleaf fern in Florida to suppress anthracnose. Apply this product only through center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply this product 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. Contact State Extension Service specialist, equipment manufacturers or other experts if you have questions regarding calibration. Do not connect an irrigation systems (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 adjusts if the need arises.

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 regular 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 flow 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.

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 back flow. 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 dosed, 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. Pesticide may be applied continuously for the duration of the water application.

Mixing: Add labeled amount of Orius 3.6F into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the Orius 3.6F should be thoroughly dispersed prior to the addition of other materials.

Do not tank mix with products containing a prohibition against tank mixing. Follow the most restrictive labeling requirements of any tank mix product.

Compatibility: To determine the compatibility of Orius 3.6F with other products, use the following procedure: Pour the labeled proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be remixed readily, the mixture is considered physically compatible. For further information contact your local Makhteshim Agan representative.

Resistance Management Statement

Orius 3.6F is a Group 3 fungicide which exhibits no known cross-resistance to other fungicide groups. However, fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Any fungal population may contain or develop individuals that are resistant to Orius 3.6F and other Group 3 fungicides. If Group 3 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted diseases, the resistance isolates may eventually dominate the fungal population. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotation and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide resistance management and/or integrated disease management recommendations for specific crops and resistant disease populations. Makhteshim Agan of North America, Inc. encourages responsible management to ensure effective long-term control of the fungal disease on this label.

TURF AND ORNAMENTAL USES

DISEASE CONTROL IN GOLF COURSE TURF

PRODUCT INFORMATION

For use on all Golf turf applications of cool season and warm season grasses (such as Bentgrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, and Zoysia) or their mixtures. Orius 3.6F is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. **Note**: Bermudagrass can be sensitive to Orius 3.6F under certain conditions. Do not apply consecutive applications during or just after dormancy break. Avoid applications when temperatures are expected to exceed 85 degrees F.

Orius 3.6F can be used for the prevention and control of the diseases mentioned in table below. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Preventative treatments can be applied using 28 day intervals as indicated. When treating golf greens, always treat aprons and approaches. Spray uniformly over the area to be treated with properly calibrated equipment. Apply the specified amount of Orius 3.6F Fungicide in sufficient water for thorough coverage. A volume of 66 – 132 gallons per acre (1.5 – 3.0 gallons per 1,000 sq ft) is recommended. Apply using properly calibrated low volume, hand held, mechanical or motorized ground broadcast equipment. Application to small areas may be made with low-pressure handwand or backpack equipment.

Depending on the disease, Orius 3.6F should be watered into the crown and active root zone for best results. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. For best results use spray mixture the same day it is prepared.

USE RESTRICTIONS AND PRECAUTIONS

- For use on golf course turf only.
- Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high school), campgrounds, churches, and theme parks.
- Not for homeowner use.
- Not for use on turf being grown for sale or commercial use as sod.
- Do not use clippings for animal feed.
- Do not exceed 3.6 oz of Orius 3.6F Fungicide per 1,000 sq ft per year.
- Do not apply more than 6 applications per year.

DISEASE	RATE OF ORIUS 3.6F FL OZ/1000 SQ FT	REMARKS
Dollar Spot (Sclerotinia homoeocarpa) Copper Spot (Gloeocercospora sorghi) Powdery Mildew (Erysiphe graminis) Corticium Red Thread (Laetisaria fuciformis) Rusts (Puccinia spp.)	0.6	For prevention, begin applications when conditions are favorable for disease development. Do not make two consecutive applications of Orius 3.6F. Alternate with another fungicide with a different mode of action. A second application may be made after 28 days.
Brown Patch/Rhizoctonia Blight, Large Patch (Rhizoctonia solani) Brown Ring Patch (R. circinata)	0.6	
Anthracnose -Basal and Foliar (Colletotrichum cereale) Red Thread (Laetisaria fuciformis) Pink Patch (Limonomyces rosipellis)	0.6	

	RATE OF ORIUS 3.6F	
DISEASE	FL OZ/1000 SQ FT	REMARKS
Bermuda Grass decline (Gaeumannomyces graminis var. graminis)	0.6	Immediately after fungicide is applied, the area should be irrigated with sufficient water to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. For prevention, begin applications two or four weeks prior to the historical appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. Apply subsequent applications at 28 day intervals.
Take All Patch (Gaeumannomyces graminis)	0.6	For prevention, apply in the fall when soil temperature reaches 55-65° F and again in the spring under similar soil temperature conditions. Applications in both fall and spring may be necessary. Immediately after fungicide is applied, the area should be irrigated with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	0.6	Apply when conditions are favorable for disease development at 28 day intervals. If using 0.6 oz/1000 sq ft, or under conditions favoring moderate to heavy disease pressure, Orius 3.6F can be tank mixed with a registered contact fungicide at label rate
Stipe Smut (Ustilago striiformis)	0.6	Make a single application to historical disease areas in spring as grass growth begins.

DISEASE	RATE OF ORIUS 3.6F FL OZ/1000 SQ FT	REMARKS
Spring Dead Spot (Leptosphaeria korrea, L. narmari,	0.6	For prevention, apply in fall when soil temperature reaches 65° F and again in spring under similar
Ophiosphaerella herpotricha, Gaeumannomyces graminis) Necrotic Ring Spot (Leptosphaeria korrea)		soil temp conditions or after dormancy break. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Fusarium Patch (Fusarium roseum)	0.6	Apply first application in mid-June or 28 days prior to time this blight normally becomes evident. Make applications at no less than 28 days intervals.
Summer Patch (Magnaporthe poae)	0.6	Apply beginning in the spring. Do not make two consecutive applications of Orius 3.6F. Alternate with another fungicide with a different mode of action. Second and third applications may be made at 28 day intervals. See local university recommendations for suggested timing. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Zoysia Patch, Large Patch of zoysia (Rhizoctonia solani)	0.6	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. A second application in early spring may be necessary in areas where disease pressure is known to be heavy.

DISEASE	RATE OF ORIUS 3.6F FL OZ/1000 SQ FT	REMARKS
Gray Snow Mold/Typhula Blight (Typhula incarnate)	0.6	Apply in the fall, before anticipated turf dormancy and before first snow cover. If turf breaks
Pink Snow Mold/Microdochium Patch (Microdochium nivalis)		dormancy during winter months, a second application may be made. Do not apply over snow cover, or when turf is dormant. It is recommended that Orius 3.6F be tank-mixed with other registered snow mold products for best season long results.

COMMENTS: Apply the specified amount of Orius 3.6F in 1.5 to 3.0 gallons of water per 1000 sq ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed. Do not exceed 3.6 fl oz of Orius 3.6F per 1000 sq ft per year. Do not exceed 6 applications per year.

DISEASE CONTROL IN FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL and RESIDENTIAL LANDSCAPES

PRODUCT INFORMATION: For use on ornamental plants only; not for woodlands or forest management. Not for homeowner use.

Orius 3.6F can be used in a preventative and curative disease control program for the listed plant types and disease in the table below. Optimum disease management is obtained when Orius 3.6 F is used in conjunction with sound disease management practices.

Apply material with properly calibrated hand held, mechanical or motorized spray equipment. Begin applications when disease first appears and repeat at 14-21 day intervals during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix as directed below and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Choose a finished spray volume appropriate for the size of the plants and amount of foliage, which will provide thorough coverage throughout the canopy. Allow sprays to dry before overhead irrigation is applied.

USE RESTRICTIONS AND PRECAUTIONS

- Apply Orius 3.6F at rates of 4-10 fl oz per acre in 100 gallons of water. Spray volume may range from 50 up to 300 gallons of finished spray per acre depending upon equipment, plant species and plant growth stage at time of application.
- Do not apply more than 30 fl oz per acre in a single application.
- Do not apply more than 0.94 gallons (120 fl oz) of Orius 3.6F (equal to 3.38 lbs of tebuconazole) per acre per year.
- Do not make more than 4 applications per year at highest rate.
- Do not apply to bearing fruit trees or vegetables.

NOTE: The **DIRECTIONS FOR USE** section of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not recommended for use on African Violets, Begonias, Boston Fern, and Geraniums.

ORNAMENTALS DISEASE CONTROL

ORIVAINILIVIALS DISLA		APPLICATION	
PLANTS	DISEASE	TO PREVENT DISEASE	TO TREAT DISEASE
Roses	Black Spot Powdery Mildew Rust	Apply every 14-21 days during the growing season, starting when leaves first appear.	
Flowers	Leaf Spot Powdery Mildew Rust Southern Blight	Apply at least 3 times per year, 14-21 days apart, beginning with spring bud break.	
Crabapples (Ornamental), Dogwoods and other Landscape (ornamental) Trees	Anthracnose Leaf Spot Powdery Mildew Rust Scab	Rotation or tank-mixing with barrier protectant fungicides is recommended for resistance management.	Apply every 14 days for a total of 3 applications beginning at the first sign of disease.
Azaleas, Camellias, Rhododendrons and other Landscape (Ornamental) Shrubs Ground Covers and Vines	Anthracnose Black Spot Leaf Spot Petal Blight Powdery Mildew Rust Southern Blight	Petal Blight: Apply 2-3 times per week into the flowers as they open and develop color.	

For small plantings, add 1 teaspoon of Orius 3.6F to 2.5 gallons of water.

Pump Style Sprayers

- 1. Add the appropriate amounts of concentrate and water to the sprayer tank.
- 2. Close the sprayer, shake well and pressurize
- 3. Adjust nozzle to a coarse spray pattern and apply.
- 4. Occasionally repressurize the sprayer, if needed, to maintain a good spray pattern.

PLANT	DISEASE	RATE OF ORIUS 3.6 F
LEATHERLEAF FERN	Anthracnose (suppression)	5 to 10 fl oz per acre
(FLORIDA ONLY)	Notes: Make the first application before antheorement and continue at 12- to14-day interval USE RESTRICTIONS: A maximum of 5 pints of Orius 3.6F may be a	S.

Comments: Apply Orius 3.6F in a minimum of 5 gallons of spray solution per acre using ground equipment or chemigation.

USE LIMITATIONS:

Orius 3.6F can cause phytotoxicity to Leatherleaf fern under certain environmental conditions. Applications in temperatures less than 70°F can cause phytotoxicity in the form of leaf burning and/or yellowing. Application followed by temperatures falling below 55°F can cause similar symptoms. Before using this product on Leatherleaf Fern, read the **LIMITATION OF WARRANTY AND LIABILITY** section in its entirety

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

- Apply only during alternate years in fields adjacent to aquatic areas listed above.
- Do not apply by ground or air within 100 feet of aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray Drift Management: For aerial applications, mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. Use the minimum practical boom length, and do not exceed 75% of the wing span or rotor diameter. Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment, Release-the-spray at the lowest-possible height consistent with good pest control and flight safety. Avoid applications more than 10 feet above the crop canopy. Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). 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. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature. Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to **PRECAUTIONARY STATEMENTS** on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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

Refillable Container: Refillable container. Refill this container with tebuconazole only. Do not reuse this 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 refiller. To clean the 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. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

MANA accepts no responsibility and shall not be liable for phytotoxicity or side effects of Orius 3.6F used on Leatherleaf ferns under any conditions.

Orius is a registered trademark of Irvita Plant Protection, N.V.

Orius 3.6F (66222-117) (to EPA 09-10-10) 066222-00117.20100910f.Orius3_6Amend.pdf