

Tir ENVIRONMENTAL PROTECTION AGENCY Office of Festicide Programs Registration Division HTM 500 471 "M" 371, 0.W. Washington, 1101 "1466

NOTICE OF PESTICIDE:

<u>x</u> Registration
Reregistration

.under FIFRA, as amended:

EFA Reg. Number:

- Pare of Issians :

100-1164

AFF 24 2003

Term of 'Issuance:

Conditional

Name of Pesticide Product:

Amistar™ Fungicide

Name and Address of Registrant (include ZIP Gode):

Syngenta Crop Protection, Inc.

P.O. Box 18300

Greensboro, North Carolina 27419-8300

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/reregistered 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 contection with the registration of a product under this Act is not to be construed as giving the registrant a right of exclusive use of the name or to its use of it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(7)(A), provided that you:

- 1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 2. Make the following change to the label before you release the product for shipment: revise the EPA Registration Number to read "EPA Reg. No. 100-1164".
- 3. Submit Storage Stability (Guideline Requirement No. 830.6317) and Corrosion Characteristics (Guideline Requirement No. 830.6320) studies for the subject product by June 30, 2004.
- 4. Submit one copy of your final printed label before you release this product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

As you know, the Skin Sensitization study was considered to be unacceptable, although you have since submitted a rebuttal to that review. However, in the interest of completing this registration sooner you have agreed to accept a designation of "sensitizer" for the subject product for now, and to put skin sensitizer language on the label. If your rebuttal is upheld in review, and if the subject product is determined not to be a sensitizer, appropriate changes can be made in the label language.

Signature of Approving Official:

15/

Date:

APR 24 2003

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Your release for shipment of the product constitutes acceptance of all preceding conditions.

Attachments:

- Product label, stamped "Accepted with Comments"
 Two Technical Review Branch reviews
 A-79 Enclosure



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Based on changes to 100-1098.20030210d.EsubIR4LegumesClean.doc

Amistar™

Fungicide

Broad spectrum fungicide for control of plant diseases

Active Ingredient

Azoxystrobin: methyl ($\underline{\mathbb{E}}$)-2-{2-[6-(2-cyanophenoxy)

pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate* 80%
Other Ingredients: 20%
Total: 100%

Contains 0.8 lb. ai/lb. product *IUPAC

EPA Reg No. 100-RRAU EPA Est.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

Reformulation is prohibited. See individual container labels for repackaging limitations.

Product of the United Kingdom

SCP 100-XXXX

Net Weight/ U.S. Standard Measure

ACCEPTED with COMMENTS In EPA Letter Dated:

APR 2 4 2003

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

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	FIRST AID
If on skin or	- Take off contaminated clothing.
Clothing	- Rinse skin immediately with plenty of water for 15-20 minutes.
	 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- 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.
Have the product	t container or label with you when calling a poison control center or
doctor, or going f	for treatment.
-	HOT LINE NUMBER
For 24	Hour Medical Emergency Assistance (Human or Animal) or
	nical Emergency Assistance (Spill, Leak, Fire, or Accident),
	Call
	1-800-888-8372

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION



HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber.
- · Shoes plus socks

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User Safety Recommendations

Users should:

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

Environmental Hazards

The active ingredient, Azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or federal authorities and Syngenta Inc. immediately if you observe any adverse environmental effects due to use of this product.

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

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

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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

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DIRECTIONS FOR USE

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

Use of AMISTAR Fungicide through airblast application equipment on grapes is prohibited in the following townships and boroughs of Erie County, Pennsylvania:

North East, Harborcreek, Lawrence Park, Erie, Presque Isle, MillCreek, Fairview, Girard and Springfield.

This prohibition is intended to help eliminate phytotoxicity problems with apples observed in this geographic location.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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.

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AGRICULTURAL USES

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), notification to workers, 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 4 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
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber.
- Shoes plus socks

NON-AGRICULTURAL USES

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. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with Amistar is dry.



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STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

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

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

Container Disposal:

Plastic Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by State and local authorities.

Paper/Box Container: Do not reuse container. Completely empty container into application equipment. Then dispose of empty container in sanitary landfill, or alternatives allowed by State and local authorities.

FOR BULK AND MINIBULK CONTAINERS:

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

REFILL ONLY WITH AMISTAR. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than AMISTAR will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

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

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GENERAL INFORMATION

Amistar is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. Amistar may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, crop protection products. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

Crops in this label may be planted immediately after last treatment. Do not plant other crops within 45 days after last application.

Do not use for disease control in food crops grown in greenhouses. Use for disease control in greenhouses for non-agricultural uses on plants (listed on this label) are permitted.

ATTENTION

Amistar is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spray AMISTAR where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply Amistar to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Amistar has demonstrated some phytotoxic effects when mixed with products that are formulated as EC's. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.



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INTEGRATED PEST (DISEASE) MANAGEMENT

Amistar should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The SPECIFIC USE DIRECTIONS section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural authorities for additional IPM strategies established for your area. Amistar may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

A disease management program that includes alternation or tankmixes between Amistar and other labeled fungicides that have a different mode of action is essential to prevent pathogen populations from developing resistance to Amistar. Amistar should not be alternated or tankmixed with fungicides to which resistance has already developed.

Since pathogens differ in their potential to develop resistance to fungicides, the SPECIFIC USE DIRECTIONS section in this label provides resistance management strategies specific for each crop and disease. Consult your local or state agricultural authorities for resistance management strategies that are complementary to those in this label. Amistar is not cross resistant with other classes of fungicides which have different modes of action.

SPRAYING/MIXING

Amistar may be applied with all types of spray equipment commonly used for making ground and aerial applications. Do not apply Amistar through any type of ultra low volume (ULV) spray system. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when environmental conditions conducive to disease exist.

For ground applications, apply Amistar in sufficient water volume for adequate coverage and canopy penetration. For aerial applications to non-orchard crops, apply Amistar in a minimum of three gallons of water per acre. For aerial applications in orchard crops, apply Amistar in a minimum of ten gallons of water per acre. Where feasible ground application should be used because it provides better canopy penetration and coverage.

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To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of Amistar to the tank, allowing time for good dispersion, then add an adjuvant, if recommended. If tankmixes are required, product should be added to the spray tank in the following order: Amistar, other WG or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be thoroughly cleaned immediately after application. If tankmixes are required, product should be added to the spray tank in the following order: Amistar, other WG or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products.

Amistar is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used. Consult compatibility charts or your local or state agricultural or turf authorities for compatibility information.

Amistar is incompatible with many fertilizers when low water volumes are used for infurrow applications. Cold temperatures and water quality exacerbate these compatibility problems. Conduct a physical compatibility test as described in the paragraph below before making a field application.

Do not combine Amistar in the spray tank with pesticides, surfactants or fertilizers, unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective and non-injurious under your conditions of use. If physical compatibility is unknown, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

SPRAY DRIFT MANAGEMENT

ATTENTION

Amistar is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spray Amistar where spray drift may reach apple trees.

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DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply Amistar to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

APPLICATION INSTRUCTIONS

Apply Amistar Fungicide at rates and timings as described in this label.

Directions for Use Through Sprinkler and Drip Chemigation Systems:

Spray Preparation: Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Use Precautions for Sprinkler and Drip Irrigation Applications:

Drip Irrigation: Amistar Fungicide may be applied through drip irrigation systems for soil-borne disease control.

Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed for at least for 24 hours following drip application.

Sprinkler Irrigation: Apply this product through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system except as specified on this label.

Apply with center pivot or continuous-move equipment distributing 1/2 acre-inch or less during treatment. In general, use the least amount of water required for proper distribution and coverage. If stationary systems (solid set, handlines or wheel lines other than continuous-move) are used, this product should be injected into no more than the last 20-30 minutes of the set. Do not apply when winds are greater than 10-15 mph to avoid drift or wind skips. Do not apply when wind speed favors drift beyond the area intended for treatment. Plant injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform treated water. Thorough coverage of

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foliage is required for good control. Good agitation should be maintained during the entire application period.

If you have questions about calibration you should contact State Extension Service specialist, equipment manufacturers or other experts.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

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Specific Instructions for Public Water Systems:

- "Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year."
- 2. "Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe."
- 3. "The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump."
- 4. "The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down."
- 5. "The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, 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."
- 7. "Do not apply when wind speed favors drift beyond the area intended for treatment."



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SOILBORNE/SEEDLING DISEASE CONTROL

Amistar can provide control of many soilborne diseases if applied early in the growing season. Specific applications for soilborne diseases include in-furrow applications and banded applications applied over the row, either shortly after plant emergence or during herbicide applications or cultivation. These applications will provide control of pre- or post-emergence damping off and diseases that infect plants at the soil-plant interface.

The use of either type of application depends on the cultural practices in the region. In some locations, one type of application may provide better disease control than the other, depending on the timing of the disease epidemic. Seedling diseases are generally controlled by in-furrow applications while banded applications are more effective against soilborne diseases that develop later in the season. Consult your local expert to get some guidance regarding application type.

For banded applications, apply Amistar prior to infection as a directed spray to the soil, using single or multiple nozzles, adjusted to provide thorough coverage of the lower stems and the soil surface surrounding the plants. Band width should be limited to 7 inches or less. Apply Amistar at a rate of 0.125-0.25 oz product (0.1-0.2 oz ai)/1000 row feet (for banded applications on 22-inch rows the maximum application rate is 0.165 oz/1000 row feet). These applications come into contact with the foliage and are counted as foliar applications when considering resistance management. They may be applied during cultivation or hilling operations to provide soil incorporation.

For in-furrow applications, apply Amistar as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered. Use the higher rate when the weather conditions are expected to be conducive for disease development, if the field has a history of Pythium problems, or if minimum/low till programs are in place.

IN-FURROW APPLICATION RATES

RATE PER 1	000 ROW FEET	Ţ		PRODU	JCT PER A	CRE (oz)		
oz product	oz ai	22" rows	30" rows	32" rows	34" rows	36" rows	38" rows	40" rows
0.125	0.1	3.00	2.20	2.00	1.90	1.80	1.70	1.60
0.188	0.15	4.50	3.30	3.00	2.88	2.70	2.60	2.45

 40° = 13,068 row ft, 38" = 13,754 row ft, 36" = 14,520 row ft, 34" = 15,374 row ft, 32" = 16,315 row ft, 30" = 17,424 row ft, and 22" =23,760 row ft/Acre

Directions for Use

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Almonds	Alternaria leaf and fruit spot (Alternaria alternata) Anthracnose (Colletotrichum acutatum) Leaf Blight (Seimatosporium lichenicola) Leaf rust (Tranzschelia discolor) Scab (Cladosporium carpophilum) Shothole (Wilsonomyces carpophilus)	2-5 (0.10-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential applications of Amistar or other strobilurins before alternation with a fungicide that has a different mode of action. Do not make more than six (6) applications of Amistar or other strobilurin fungicides per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. Applications may be made by ground, air (minimum 15 gpa) or chemigation. An adjuvant may be added at recommended rates to improve coverage. For anthracnose, scab and shothole begin applications prior to disease development and continue at 10-14 day intervals throughout the season
	Brown Rot Blossom Blight (Monilinia laxa, M. fructicola)	4-5 (0.20-0.25)	For blossom blight begin applications at early bloom and continue through petal fall. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year.
Specific Use Restrictions: Do not Do not apply within 28 days of har	apply more than 1.88 pounds product/acryest.	cre/season (1.5 lb. a	i/A).

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Bananas Plantains	Black Sigatoka (Mycosphaerella fijiensis) Yellow Sigatoka (Mycosphaerella musicola)	1.7-2.6 (0.09-0.135)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes canopy management through removal of suckers, proper plant spacing, selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and good surface water drainage. Resistance Management: Do not apply more than two sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of Amistar or other strobilurin fungicide per acre per year.
			Application Directions: Amistar applications should begin prior to disease development and continue throughout the season every 12-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Post Harvest Applications: Crown Rot/Crown Mold (Colletotrichum musae, Fusarium pallidoroseum, (Acremonium spp., Ceratocystis paradoxa, Glomerella cingulata, Penicillium spp.) O not apply more than 1.34 pounds product/a	200-400 ppm solution	Apply Amistar as a single application of a 200-400 ppm solution to achieve good coverage. The application may be made as a spray, dip or may be painted onto the cut ends of the bananas. Application of the 200 ppm rate is appropriate for short distance transportation (e.g. within the USA), when a longer time in transport is expected (export) use the 300-400 ppm rate. If alum (1%v/v) is added to the spray solution stir the suspension frequently as sedimentation and flocculation may occur. Addition of a Non Ionic Surfactant (0.1%v/v) may improve the compatibility of this mixture.



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Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Barley	Kernel Blight (Alternaria spp.) Leaf Rust (Puccinia hordei) Net blotch (Pyrenophora teres) Barley Stripe (Pyrenophora graminea) Powdery Mildew (Erysiphe graminis f. sp. hordei) Stagonospora blotch (Stagonospora nodorum)	2-4 (0.1-0.2) 3-4 (0.15-0.2) 4 (0.2)	integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation. Resistance Management: Do not make more than two applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar should be applied prior to disease development from jointing (Feekes 6 or Zadok's 31) up to late head emergence (Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop oil concentrate adjuvant may be added at 1.0% V/V to optimize efficacy.
	o not apply until after forage stage (Feekes		

Do not apply later than Feekes growth stage 10.5 (Zadok's growth stage Do not harvest treated barley for forage.

Do not apply within 14 days of harvest for hay.

Do not apply within 45 days of harvest for grain and straw.

Do not apply more than 0.50 pounds product/acre/season (0.4 lb ai/A).

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Berries,	Botryosphaeria canker	2-5	Integrated Pest (Disease) Management: Amistar should be integrated into an
Bushberry subgroup:	(Botryosphaeria spp)	(0.1-0.25)	overall disease management strategy that includes varieties with disease
	Powdery mildew		tolerance, proper timing of irrigation and removal of plant debris in which
Blueberry	(Sphaerotheca spp)		inoculum overwinters.
Currant	Septoria blight		
Elderberry	(Septoria spp)		Resistance Management: Do not apply more than two sequential applications
Gooseberry	Mummyberry		of Amistar before alternating with a fungicide that has a different mode of action.
Huckleberry	(Vaccinium spp.)		Do not make more than three (3) applications of Amistar or other strobilurin
Including all cultivars and/or hybrids	Alternaria Fruit Rot		fundicide per acre per crop year.
of these	(Alternaria spp.)		
	Phomopsis stem canker		Application Directions: Amistar applications should begin prior to disease
Lingonberry	(Phomopsis vaccinii)		development and continue throughout the season on a 7-14 day schedule,
Juneberry	Anthracnose fruit rot		following the resistance management guidelines. Applications may be made by
Salal	(Colletotrichum		ground, air or chemigation. An adjuvant may be added at recommended rates.
	gloeosporoides)		g

Specific Use Restrictions: Do not apply more than 0.93 pounds (0.75 lb active ingredient) per acre per season. May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Berries, Caneberry subgroup: blackberry bingleberry boysenberry dewberry lowberry marionberry olallieberry youngberry loganberry red and black raspberry Including all cultivars and/or hybrids of these	Botryosphaeria canker (Botryosphaeria dothidea) Anthracnose (Spaceloma necator) (Elsinoe veneta) Powdery mildew (Sphaerotheca macularis) Leaf spot (Septoria rubi) (Sphaerulina rubi) Colletotrichum rot (Colletotrichum gloeosporioides) Spur blight (Didymella applanata) Rosette or double blossom of blackberries (Cercosporella rubi)	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential applications of Amistar or other strobilurins before alternating to a fungicide that has a different mode of action. Do not make more than 6 applications of Amistar or other strobilurin fungicide per season Application Directions: Begin applications at onset of disease and continue as required until harvest. Make applications on a 7-14 day schedule. Use a minimum water volume of 10 gal per acre by ground and a minimum of 3 gal by air.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Brassica Leafy Greens subgroup: Broccoli raab Cabbage, Chinese Collards Kale Mizuna Mustard greens Mustard spinach Rape greens Including all cultivars and/or hybrids	White rust (Albugo candida) Black spot (Alternaria spp) Cercospora leaf spot (Cercospora spp)	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than three foliar applications of Amistar or other strobilurin fungicide per acre per crop year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 7-14 day schedule,
of these Specific Use Restrictions: Do not app	Soilborne Diseases Seedling root rot, basal stem rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. For soilborne/seedling disease control, see directions and rates under "GENERAL INFORMATION" section.

Specific Use Restrictions: Do not apply more than 0.93 pounds (0.75 lb active ingredient) per acre per season May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Bulb Vegetables Garlic Leek Onion, bulb Onion, green Welch onion Shallot	Foliar Diseases Purple blotch (Alternaria porri) Rust (Puccinia allii) White rot (Sclerotium cepivorum) Downy mildew (Peronospora destructor) Botrytis leaf blight (Botrytis aclada)	3-5 (0.15-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For downy mildew control, do not make more than one application of Amistar before alternating with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. If applications are made by air, the higher rates should be used for adequate control. An adjuvant may be added at recommended rates to improve coverage. Mixtures of Amistar with insecticides and silicone adjuvants should be tested for crop safety before application to the crop.
	Soilborne Diseases Rhizoctonia damping-off (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions under GENERAL INFORMATION section. If the application is an in-furrow application, the spray should be made just prior to seed placement so that the majority of the chemical is under the seed. This will reduce the potential for phytotoxicity, especially if fertilizer is added to the application.

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Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Canola Specific Use Restrictions: D	Blackleg (Leptosphaeria maculans) Alternaria Blackspot (Alternaria spp) Sclerotinia stem rot (Sclerotinia sclerotiorum)	2-5 (0.1-0.25)	Integrated Pest (Disease)Management Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, certified seed, seed treatment and crop rotation. Resistance Management Do not make more than three applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: For blackleg, Amistar applications should be made at the 2-4 leaf stage. For Alternaria or Sclerotinia, 5.0 oz product/A should be applied at 10-25% flowering (3-7 days following first flower). For control of Alternaria alone, 2.6 oz product/A may be applied at pod stage (approximately 95% petal fall). Applications may be made by ground, air or chemigation.
Do not make more than thre Do not apply more than 0.56	e applications 3 pounds product <u>per ye</u> ar or 0.45 <u>lb</u> ai/A per	year.	
Carrot	Early blight (Cercospora carotae) Late blight (Alternaria dauci) White mold (Sclerotium rolfsii) For additional diseases, see Vegetables, Root, Subgroup	3-6.5 (0.15-0.33)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air of chemigation. An adjuvant may be added at recommended rates to improve coverage.
,			For soilborne/seedling disease control, see directions and rates under

(0.10-0.25) Overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. Resistance Management: Do not apply more than four sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of Amistar per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.	Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Rhizoctonia root rot (Rhizoctonia solani) Specific Use Restrictions: Do not apply more than 1.88 pounds of product/crop/acre/season (1.5 lbs ai/A). May be applied the day of harvest Christmas Trees Diplodia tip blight (Diplodia pinea) Lophodermium needlecast (Lophodermium pinastri) Swiss needlecast (Phaeocrytopus gaumannii) Swiss needlecast (Phaeocrytopus gaumannii) Swiss needlecast (Phaeocrytopus gaumannii) Resistance Management: Do not apply more than four sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of Amistar per acre per year. Application Directions: Amistar applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.	Celery	(Cercospora apii) Late blight (Septoria apicola) For additional diseases, see	(0.15-0.25)	overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Diplodia tip blight (Diplodia pinea) Lophodermium needlecast (Lophodermium pinastri) Swiss needlecast (Phaeocrytopus gaumannii) Diplodia tip blight (Diplodia pinea) Swiss needlecast (Phaeocrytopus gaumannii) Diplodia tip blight (Diplodia pinea) Swiss needlecast (Lophodermium pinastri) Swiss needlecast (Phaeocrytopus gaumannii) Application Directions: Amistar applications should begin prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.		Rhizoctonia root rot (Rhizoctonia solani) not apply more than 1.88 pounds of product	/1000 row feet	GENERAL INFORMATION section.
Specific Use Restrictions: Do not apply more than 2.5 pounds product/acre/season (2.0 lb. ai/A).	Christmas Trees	Diplodia tip blight (Diplodia pinea) Lophodermium needlecast (Lophodermium pinastri) Swiss needlecast (Phaeocrytopus gaumannii)	(0.10-0.25)	overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. Resistance Management: Do not apply more than four sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of Amistar per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.

Сгор	Target Diseases	Use Rate oz product/A (lb_ai/A)	Remarks
Cilantro	See Leafy Vegetables - Coriander	r, leaves	
Citrus Fruit Calamondin Citron Citrus hybrids Grapefruit Kumquat Lemon Lime Mandarin Orange (sour and sweet) Pummelo Satsuma mandarin Tangerine Including all cultivars and/or hybrids of these	Greasy spot (Mycosphaerella citri) Melanose (Diaporthe citri) Scab (Elsinoe fawcettii) Albinism (Alternaria alternata pv citri) Post bloom fruit drop (PFD) (Colletotrichum acutatum) Alternaria leaf and fruit spot (Alternaria citri)	4-5 (0.2-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and proper timing of irrigation. Resistance Management: Do not apply more than three sequential applications of Amistar before alternation with a fungicide that has a different mode of action. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Under conditions that favor severe disease epidemics, the higher application rates should be used. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.

May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Field Sweet Pop (Includes Seed Production)	Rust (Puccinia sorghi) Anthracnose leaf blight (Colletotrichum graminicola) Gray leaf spot (Cercospora sorghi) Northern corn leaf blight (Setosphaeria turcica) Northern corn leaf spot (Cochiliobolus carbonum) Southern corn leaf blight (Cochliobolus heterostrophus) Eye spot (Aureobasidium zeae)	2-3 (0.10-0.15) 3-5 (0.15-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and water management practices. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than eight foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For gray leaf spot, apply Amistar at the onset of disease. A second application may be required 14 days later if disease pressure persists. For all other diseases, Amistar applications should begin prior to disease development and may continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Soitborne Diseases Rhizoctonia root and stalk rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.
Specific Use Restrictions: Do not Do not apply within 7 days of harve	apply more than 2.5 pounds of product/est.	crop/acre/season (2.9	0 lbs ai/A).
Cotton Specific Use Restrictions: Make o	Rhizoctonia seedling blight (Rhizoctonia solani) Pythium seedling blight (Pythium aphanidermatum)	In-furrow 0.125-0.25 oz /1000 row feet (0.1-0.2 oz ai per 1000 row feet)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper water management. Application Directions: Apply Amistar as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered. Use the higher rate when the weather conditions are expected to be conducive for disease development, if the field has a history of Pythium problems, or if minimum/low till programs are in place. See GENERAL INFORMATION section for table illustrating total fluid ounces per acre with various row spacings.

Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Cranberry	Cottonball (Monilia oxycocci) Lophodermium twig blight (Lophodermium spp.) Fruit rots (Physalospora vaccinii) (Glomerella cingulata) (Coleophoma empetri)	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper water management. Resistance Management: Do not apply more than two sequential applications of Amistar or other strobilurins before alternating with a fungicide that has a different mode of action. Do not make more than six (6) applications of Amistar or other strobilurin fungicides per crop per acre per year. Application Directions: Begin applications at 5-10% bloom for fruit rot, cottonball, and twig blight. Continue applications on a 7-14 day schedule if conditions are favorable for disease development. Applications may be made by ground, chemigation or air.

Specific Use Restrictions: May be applied up to three days prior to harvest (3-day PHI).

Do not apply more than 1.88 pounds product (1.5 lb ai) per acre per season.

Do not treat cranberry fields used for aquaculture of fish and crustacea.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat. Applicators should use care in making applications near non-target aquatic habitats.

Do not apply to flooded crop.

Do not allow release of irrigation or flood water to non-target aquatic habitat for at least 14 days after the last application.

Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Cucurbits Cantaloupe Chayote Chinese-waxgourd Cucumber Gourds Honeydew Melons Momordica spp. (bitter melon, balsam apple) Muskmelon Watermelon Pumpkin Squash Zucchini Including cultivars and/or hybrids of these	Anthracnose (Colletotrichum lagenarium) Belly Rot (Rhizoctonia solani) Downy Mildew (Pseudoperonospora cubensis) Gummy Stem Blight (Didymella bryoniae) Leaf spots (Alternaria spp. (Cercospora spp.) Myrothecium canker (Myrothecium roridum) Powdery Mildew (Sphaerotheca fuliginea, (Erysiphe cichoracearum)	2-5 (0.10-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For both downy and powdery mildew control, do not make more than one application of Amistar before alternating with fungicides that have a different mode of action. Make applications on a 5-7 day schedule. For belly rot control, the first application should be made at the 1-3 leaf crop stage with a second application just prior to vine tip over or 10-14 days later whichever occurs first. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Amistar should not be tank mixed with COC, MSO or silicon adjuvants. Amistar should not be tank mixed with Malathion, Kelthane®, Thiodan®, Phaser®, Lannate®, Lorsban®, M-Pede® or Botran®.
	Soilborne diseases Rhizoctonia root rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Grapes Including Muscadines	Downy Mildew (Plasmopara viticola) Phomopsis Cane and Leaf Spot (Phomopsis viticola) Powdery Mildew (Uncinula necator) Black Rot (Guignardia bidwellii) Suppression: Botrytis bunch rot (Botrytis cinerea)		Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes canopy management through pruning and thinning, proper selection of varieties with disease tolerance, proper timing and placement of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six (6) applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season every 10-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. ATTENTION Amistar is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit). DO NOT spray Amistar where spray drift may reach apple trees. DO NOT spray when conditions favor drift beyond area intended for application.
			Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area. DO NOT use spray equipment which has been previously used to apply Amistar to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Grasses (grown for seed)	Rust (Puccinia spp) Powdery mildew (Erysiphe graminis) Ergot Stem Diseases	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation, crop rotation, and fertility. Resistance Management: Do not apply more than two sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than two (2) applications of Amistar or other strobilurin fungicide per acre per year.
	0.025		Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 10-14 day schedule, following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.

Specific Use Restrictions: Do not apply more than 0.625 pound (0.50 lb active ingredient) per acre per season. Do not feed treated straw, seed, or screenings to livestock.

May be applied up to 8 days prior to harvest (swathing).

Сгор	Target Diseases	oz product/A (lb ai/A)	Remarks
Amaranth Arugula Cardoon Celery Celtuce Chervil Chrysanthemum edible; Coriander, leaves (Cilantro) Corn salad Cress Dandelion Dock Endive Fennel Lettuce, head and leaf Orach Parsley Purslane Radicchio Rhubarb	Foliar Diseases Alternaria leaf spot (Alternaria sonchi, A. spp) Cercospora leaf spot (Cercospora spp) Anthracnose (Microdochium panattonianum, Colletotrichum dematium) Septoria leaf spot (Septoria petroselini) White rust (Albugo occidentalis) Downy mildew (Bremia lactucae) Powdery mildew (Eyrisiphe cichoracearum)	2-5 (0.1-0.25) 4-5 (0.2-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential foliar applications of Amistar (following application directions) before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: Make preventative applications on a 5-7 day schedule. For all diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. ATTENTION: Applications of Amistar to leafy vegetable foliage have contributed to foliar phytotoxicity under certain circumstances. Proceed with caution with regard to tankmixes and adjuvants when treating leafy vegetable with Amistar. Amistar must not be tank mixed on leaf lettuce with AMBUSH WP, Pounce WP, Aliette, Warrior T, or an other product that may increase the penetration of Amistar into the leaf surface, such as, but not limited to silicone wetters.
Spinach Swiss Chard Including cultivars and/or hybrids of these Specific Use Restrictions: Do not appl	Soilborne Diseases Webb blight, Bottom rot, Crater rot, Root rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

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Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Bean (<i>Lupinus spp.</i>) (includes	Bean rust (Uromyces appendiculatus) Anthracnose (Colletotrichum lindemuthianum) Alternaria leaf spot (Alternaria alternata) Ascochyta leaf spot (Ascochyta phaseolorum) Rust (Phakopsora spp.) Southern blight (Sclerotium rolfsii) Web blight (Rhizoctonia solani) Ascochyta blight (Mycosphaerella pinodes) Ascochyta leaf and pod spot (Ascochyta spp) Alternaria blight (Alternaria spp)	2 (0.10) 2-5 (0.10-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, proper timing and placement of irrigation, crop rotation and crop residue management. Resistance Management: Do not apply more than three sequential foliar applications of Amistar or other strobilurin before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicides per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Use the higher rates under severe disease pressure. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For rust, use of a non-ionic surfactant is recommended.
Jackbean (Canavalia ensiformis) Lablab bean (hyacinth bean) (Lablab purpureus), Lentil (Lens esculenta) Pea (Pisum spp.) (includes dwarf pea, edible-pod pea, English pea, garden pea, green pea, snow pea, sugar snap pea). Pigeon pea (Cajanus cajan), Sword bean (Canavalia gladiata) Specific Use Restrictions: Do not appl	Soilborne diseases Rhizoctonia root rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Mint (Fresh or for processing into mint oil)	Rust (Puccinia menthae) Powdery mildew (Erysiphe spp)	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than three foliar applications of Amistar or other strobilurin fungicide per acre per crop year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 7-10 day schedule, following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.
Specific Lies Restrictions: Do not app	Soilborne Diseases Seedling root rot, basal stem rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under "GENERAL INFORMATION" section.

Specific Use Restrictions: Do not apply more than 0.93 pounds (0.75 lb active ingredient) per acre per season. For fresh mint may be applied the day of harvest.

For processed mint do not apply within 7 days prior to harvest.

Сгор	Target Diseases	Use Rate oz product/A _(lb ai/A)	Remarks
Peanuts	Soil-borne diseases – early season (in furrow application) Aspergillus crown rot (Aspergillus niger) Pythium damping off (Pythium spp.) Stem Rot/White mold suppression (Sclerotium rolfsii) Soil-borne diseases – mid-late season Rhizoctonia peg and pod rot (Rhizoctonia solani) Stem Rot/White Mold	0.125-0.25 oz /1000 row feet 4-8 (0.2-0.4)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, proper timing and placement of irrigation, crop rotation and crop residue management. Resistance Management: For control of peanut diseases do not make more than two foliar applications of Amistar or other strobilurin fungicides per acre per year. Application Directions: Apply Amistar in-furrow at planting for control of various seed/seedling diseases including early season suppression of stem rot. See directions and rates under GENERAL INFORMATION section. Amistar should be applied at approximately 60 and 90 days after planting as a foliar application. This application regime may be applied earlier in the season if
	(Sclerotium rolfsii) Suppression only Pythium Pod rot (Pythium myriotylum) Cylindrocladium black rot (Cylindocladium crotalariae)		environmental conditions favor disease development. These two applications of Amistar will provide protection against the soil borne diseases and will also provide control of the foliar diseases listed for a 10-14 day period after each spray. Under heavy disease pressure and/or where there is high rainfall and/or irrigation, use 6-8oz/A. For light disease pressure and dry environmental conditions (non-irrigated, low rainfall), use 4-8 oz/A. For control of Pythium, a rate of 8 oz/A is required. Additional applications of other fungicides on a leaf spot application schedule will be required to provide season-long disease control of the leaf spot diseases. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Foliar diseases Early leaf spot (Cercospora arachidicola) Late leaf spot (Cercosporidium personatum) Rust (Puccinia arachidis) Web blotch (Phoma arachidicola)	2-6 (0.1-0.3)	For foliar disease control only, a lower rate of Amistar may be applied on a 10-14 day interval. Make no more than two sequential applications before alternating to a fungicide with a different mode of action.
Specific Use Restrictions: Do not a Do not apply within 14 days of harv	pply more than 1.0 pounds product/acreest.	e/season (0.8 lbs ai	/acre/season).

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Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Pecans	Anthracnose (Glomerella cingulata) Scab (Cladosporium caryigenum)	2-4 (0.10-0.20)	 Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with tolerance to disease and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than four sequential foliar applications of Amistar before alternation with a fungicide that has a different mode of action. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Specific Ose Restrictions. Do			
Specific Use Restrictions: Do Do not apply within 45 days of Pepper Bell Pepper Non-Bell Pepper Sweet Non-Bell Pepper Eggplant Okra		2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than four foliar applications of Amistar or other strobilurin fungicide per acre per crop year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 7-14 day schedule, following the resistance management guidelines. Applications may be made by

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Pistachios	Alternaria Late Blight (Alternaria alternata) Botryosphaeria panicle and shoot blight (Botryosphaeria dothidea) Septoria leaf spot (Septoria pistaciarum)	2-5 (0.10-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than four sequential applications of Amistar before alternation with a fungicide that has a different mode of action. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.

Specific Use Restrictions: Do not apply more than 1.88 pounds product/acre/season (1.5 lb ai/A)

Do not apply within 7 days of harvest.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Potatoes	Early Blight (Alternaria solani) Late Blight (Phytophthora infestans) Black dot (Colletotrichum coccodes) Powdery mildew (Erysiphe cichoracearum)	2.0-6.5 (0.1-0.33)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes removal of plant debris, in which inoculum overwinters, selection of varieties with tolerance to disease, clean certified seed, seedpiece treatment, and disease forecasting. Resistance Management: Do not make more than one application of Amistar before alternation with fungicides that have a different mode of action, such as BRAVO. Make applications on a 5-7 day schedule. Do not alternate or tank-mix with fungicides to which resistance has developed. Do not make more than six foliar applications per year. Application Directions: For both early and late blight, maintain the alternation program described above. Early blight - For a 7-day application schedule use Amistar 2 oz product/A, if the interval is increased to 14 days use the 4 oz product/A rate. Late blight - Apply Amistar at 4 oz product/A on a 7 day schedule. Initiate late blight applications in a preventative schedule prior to disease development according to local practices. If late blight symptoms develop or conditions favor disease switch immediately to the alternate non-strobilurin fungicide, use a 5-day schedule. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Use the high rate and the shorter interval if disease epidemics are severe. Applications may be made by ground, air or chemigation. Addition of a spreader/sticker may improve coverage.
	Soilborne Diseases Black scurf (Rhizoctonia solani) Silver scurf (Helminthosporium solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Rice	Sheath/Stem Diseases Sheath Blight (Rhizoctonia solani) Aggregate Sheath Spot (Rhizoctonia oryzae-sativae) Black Sheath Rot (Gaeumannomyces graminis var. graminis) Sheath Spot (Rhizoctonia oryzae) Stem Rot (Sclerotium oryzae) Foliar Diseases Brown Leaf spot (Cochliobolus miyabeanus) Leaf Smut (Entyloma oryzae) Narrow Brown Leaf spot (Cercospora oryzae) Panicle Diseases Kernel Smut (Neovossia barclayana) Panicle Blast (Pyricularia grisea)	2-6 (0.10 - 0.30) 3-6 (0.15 - 0.30)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and sound water management practices. Resistance Management: When Amistar is being applied for panicle blast on continuous rice acreage (no rotation to other crops) no more than four sequential applications of Amistar should be made over multiple years before alternating with a fungicide with a different mode of action. Do not make more than three foliar applications of Amistar or other strobilurin fungicide per acre per year. Application Directions: Amistar should be applied prior to disease development. Applications may be made by ground, air or chemigation. For aerial application, volumes should be 5-10 GPA. An adjuvant may be added at recommended rates to improve coverage. For stem/sheath diseases including sheath blight, stem rot, black sheath rot, aggregate sheath spot and sheath spot apply when disease is less than 4 inches above water line usually between panicle differentiation (PD) +5 days to PD+10 days or at initial sign of disease. Under heavy disease pressure and conditions favorable for disease development, a second application may be applied. For foliar and panicle diseases, apply Amistar prior to disease development. Amistar must be applied as a preventative treatment for blast control and applied prior to favorable conditions for blast development. For panicle blast an application should be applied at mid-boot to boot-split but prior to full head emergence. A second application should be applied when panicles are approximately 60-90% emerged from the boot (7-14 days later).

Specific Use Restrictions: Do not treat rice fields used for aquaculture of fish and crustacea.

Do not apply when weather conditions favor drift from treated areas to non-target

aquatic habitat. Applicators should use care in making applications near non-target aquatic habitats.

Do not apply more than 0.88 pounds of product/acre/season (0.7 lbs ai/A).

Do not apply within 28 days of harvest.

Do not allow release of irrigation or flood water for at least 14 days after the last application.

Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Soybeans	Aerial blight (Rhizoctonia solani) Rust (Phakopsora spp.) Anthracnose (Colletotrichum truncatum) Alternaria leaf spot (Alternaria spp) Brown spot (Septoria glycines) Cercospora blight and leaf spot (Cercospora kikuchii) Frogeye leafspot (Cercospora sojina) Pod and Stem blight	2-5 (0.1-0.25) 4-5 (0.2-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: No more than two foliar applications of Amistar or other strobilurin fungicide should be made per growing season. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Application Directions: Amistar applications should begin prior to disease development. Use the high rates under condition favorable for severe disease pressure, dense plant canopies, or when susceptible varieties are planted Contact Extension personnel for local economic thresholds and timings for specific diseases in your area. Applications may be made by ground, air or
	(Diaporthe phaseolorum)		chemigation. Use of a non-ionic surfactant with the lower use rate is recommended.
	Soilborne Diseases Southern blight (Sclerotium rolfsii)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Specific Use Restrictions: Do not apply more than 1.88pounds of product/crop/acre/season (1.5 lbs ai/A). Do not make more than one application at 5 oz product/acre or 0.25 lbs ai/A to soybean forage and hay. Do not apply within 14 days of harvest of soybeans (bean).

May be applied the day of harvest to soybean forage and hay.



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Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Apricot Cherry, sweet Cherry, tart Nectarine Peach Plum Plumcot Prune	Scab (Cladosporium carpophilum) Alternaria Spot and Fruit Rot (Alternaria alternata) Anthracnose (Colletotrichum prunicola, C. gloeosporioides) Leaf Rust (Tranzschelia discolor) Powdery Mildew (Sphaerotheca pannosa, Podosphaera clandestina) Shot Hole (Wilsonomyces carpophilus) Brown Rot Blossom blight and Fruit rot (Monilinia fructicola, M. laxa)	2-5 (0.1-0.25)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters and pruning to provide sunlight and aeration into the canopy. Resistance Management: For blossom blight do not apply more than two sequential applications of Amistar before alternating with a fungicide that has a different mode of action. For all other diseases do not apply more than four sequential applications of Amistar before alternation with a fungicide that has a different mode of action. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year for all diseases. Application Directions: For brown rot blossom blight, - Begin applications at early bloom and continue through petal fall. For brown rot on fruit, Amistar may be applied to fruit up to the day of harvest. For scab, begin applications at petal fall and continue at 7-14 day intervals. For all other diseases, begin application at the onset of disease as a protectant fungicide and continue on a 7-14 day
Specific Use Restrictions: Do			schedule. For peaches only, 3-5oz of Amistar may be used for scab control. Applications may be made by ground, air or chemigation

Specific Use Restrictions: Do not apply more than 1.88 pounds product/acre/season (1.5 lb ai/A) May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Strawberry	Anthracnose (Colletotrichum fragariae) Powdery mildew (Sphaerotheca macularis) Suppression of Botrytis on the foliage (Botrytis cinerea)	2-5 (0.1-0.25)	integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than four (4) applications of Amistar or other strobilurin fungicide per acre per crop year.
		·	Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 7-10 day schedule, following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.
	Soilborne Diseases Seedling root rot, basal stem rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under "GENERAL INFORMATION" section.
	not use in plant propagation nurseries.		For dip applications at transplanting for commercial berry production: For suppression of root and crown rot caused by <i>Colletotrichum</i> spp., mix 1.6-2.6 oz of Amistar per 100 gal of water. Dip plants for 2-5 minutes. Plant treated plants as quickly as possible. It is recommended that transplants be washed to remove excess soil prior to dipping. For continued anthracnose control, follow with foliar applications beginning 2-3 weeks after transplant.

Specific Use Restrictions: Do not use in plant propagation nurseries.
Do not apply more than 1.25 pounds (1.0 lb active ingredient)per acre per season.
May be applied the day of harvest.

Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Tomatoes	Anthracnose (Colletotrichum coccodes) Black Mold (Alternaria alternata) Buckeye Rot (Phytophthora spp.) Early Blight (Alternaria solani) Powdery Mildew (Oidiopsis sicula) Septoria Leaf spot (Septoria lycopersici) Target spot (Corynespora cassiicola) Late Blight (Phytophthora infestans)	1.6-2.0 (0.08-0.10)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: When Amistar is being applied for the control of early blight, Septoria leaf spot and/or anthracnose, no more than two foliar sequential applications of Amistar or other strobilurins should be made before alternating with a fungicide with a different mode of action. When Amistar is being applied for the control of late blight, no more than two foliar sequential applications of Amistar or other strobilurins should be made before alternation with a fungicide with a different mode of action. If late blight should occur during an early blight spray program, switch immediately to the late blight spray program beginning with a fungicide that has a different mode of action. Do not make more than six (6) foliar applications of Amistar or other strobilurin fungicides per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. For late blight Amistar should be applied at 5-7 day intervals. For all other tomato diseases Amistar should be applied on 7-21 day
			intervals. Applications may be made by ground, air or chemigation.
	Soilborne Diseases Seedling root rot, basal stem rot (Rhizoctonia solani)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Specific Use Restrictions: Amistar should not be applied until 21 days after transplanting or 35 days after seeding. Amistar should not be applied within +/-6 days of a postemergence broadcast application of Sencor. Do not apply with an adjuvant due to the potential for phytotoxicity. Do not apply more than 0.75 pounds product/acre/season (0.6 lb ai/A) May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Almonds(see specific use instructions) Beechnut Brazil nut Butternut Cashew Chestnut Chinquapin Filbert Hickory Macadamia Pecan Walnut Pistachios (see specific use instructions)	Alternaria leaf and fruit spot (Alternaria alternata) Anthracnose (Colletotrichum acutatum, Glomerella cingulata) Late blight (Alternaria alternata) Scab (Cladosporium carpophilum) Septoria leaf spot (Septoria pistaciarum) Shothole (Wilsonomyces carpophilus) Blossom Blight (Monilinia laxa, M. fructicola)	2-4 (0.10-0.20)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential foliar applications of Amistar or other strobilurins before alternation with a fungicide that has a different mode of action. Do not make more than six (6) applications of Amistar or other strobilurin fungicides per acre per year. Application Directions: Amistar applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For all other diseases begin applications prior to disease development and continue at 7-21 day intervals throughout the season. For blossom blight begin applications at early bloom and continue through petal fall. Do not make more than six applications of Amistar or other strobilurin fungicide per acre per year.
Do not apply more than 1.5 pound Do not apply within 45 days of ha	ds product/acre/season (1.2 lb ai/A). rvest.		
Triticale	See Wheat		

Crop	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Tropical Fruit	Anthracnose	2-5	Integrated Pest (Disease) Management: Amistar should be integrated into an
Acerola	(Colletotrichum spp)	(0.1-0.25)	overall disease management strategy that includes varieties with disease
Atemoya			tolerance, proper timing of irrigation and removal of plant debris in which
Avocado	Rust		inoculum overwinters.
Biriba	(Puccinia spp)		
Canistel			Resistance Management: Do not apply more than two sequential applications
Cherimoya	Cercospora leaf spot		of Amistar before alternating with a fungicide that has a different mode of action
Custard apple	(Cercospora spp)		Do not make more than six (6) applications of Amistar or other strobilurin
Feijoa	' ' ' ' ' '		fungicide per acre per crop year.
Guava			
llama			Application Directions: Amistar applications should begin prior to disease
Jaboticaba	ļ		development and continue throughout the season on a 10-14 day schedule,
Jackfruit			following the resistance management guidelines. Applications may be made by
Longan			ground, air or chemigation. An adjuvant may be added at recommended rates.
Loquat	Soilborne Diseases	0.125-0.25 oz	For soilborne/seedling disease control, see directions and rates under
Lychee	Seedling root rot, basal stem rot	/1000 row feet	"GENERAL INFORMATION" section.
Mango	(Rhizoctonia solani)	7100010111661	GENERAL IN CHANATION SCOROL.
Papaya	(Minzoctorna solatn)		
Passionfruit			· ·
Pawpaw			
Persimmon			
Pulasan			
Pummello			
Rambutan			
Sapodilla			
Sapote, black			
Sapote, mamey			
Sapote, marriey	1		
Soursop Star apple	İ		
Star apple			
Starfruit	1		
Sugar apple			
Spanish lime			,
Tamarind	1	}	
Uniq fruit Do not apply more than 1.88 p		<u> </u>	<u> </u>

May be applied the day of harvest.

Сгор	Target Diseases	Use Rate oz product/A (lb ai/A)	Remarks
Vegetable, leaves of root and tuber, group Beet,garden and sugar Burdock Carrot Cassava, bitter and sweet Celeriac (celery root) Chervil, turnip- rooted Chicory Dasheen (taro) Parsnip	Foliar Diseases Alternaria leaf spot (Alternaria spp, A. alternata) Ascochyta leaf spot (Ascochyta cynarae) Rust (Uromyces betae, Puccinia helianthi) White rust (Albugo tragopogonis)	2-6.5 (0.1-0.33)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For powdery mildew control, do not make more than one application of Amistar before alternating with fungicides that
Radish Radish, oriental (daikon) Rutabaga Salsify, black Sweet potato Tanier Turnip	Cercospora leaf spot (Cercospora betae, C. pastinaceae) Powdery mildew (Erysiphe polygoni, Leveillula taurica)	3-5 (0.15-0.25)	have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Yam, true	Soilborne Diseases Circular spot, Southern blight (Sclerotium rolfsii) Rhizoctonia stem canker, Crown rot (Rhizoctonia solani) Pythium root rot (Pythium aphanidermatum)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Crop	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Beet, garden and sugar Burdock Carrot Celeriac Chervil, turnip- rooted Chicory Ginsing Horseradish Parsley, turnip-rooted Parsnip Radish Radish, oriental Rutabaga Salsify Salsify, black Salsify, Spanish Skirret Turnip	Alternaria leaf spot (Alternaria spp, A. alternata) Ascochyta leaf spot (Ascochyta cynarae) Rust (Uromyces betae, Puccinia helianthi) White rust (Albugo tragopogonis) Cercospora leaf spot (Cercospora betae, C. pastinaceae) Powdery mildew (Erysiphe polygoni, Leveillula taurica) Soilborne Diseases Circular spot, Southern blight (Sclerotium rolfsii)	2-6.5 (0.1-0.33) 3-5 (0.15-0.25) 0.125-0.25 oz /1000 row feet	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential foliar applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For powdery mildew control, do not make more than one application of Amistar before alternating with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.
	Rhizoctonia stem canker, Crown rot (Rhizoctonia solani) Pythium root rot (Pythium aphanidermatum)		

Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Vegetables, tuberous and corm, subgroup Arracacha Arrowroot Artichoke, Chinese and Jerusalem Burdock Canna Cassava, edible, bitter and sweet Chayote (root) Chufa	Foliar Diseases Alternaria leaf spot (Alternaria spp, A. Alternata) Ascochyta leaf spot (Ascochyta cynarae) Rust (Uromyces betae, Puccinia helianthi) White rust (Albugo tragopogonis)	2-6.5 (0.1-0.33)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential foliar applications of Amistar or other strobilurin before alternating with a fungicide that has a different mode of action. Do not make more than six foliar applications of Amistar or other strobilurin fungicide per crop per acre per year. Application Directions: For powdery mildew control, do not make more than one application of Amistar before alternating with fungicides that
Dasheen (Taro) Ginger Leren Potato Sweet Potato Tanier	Cercospora leaf spot (Cercospora betae, C. pastinaceae) Powdery mildew (Erysiphe polygoni, Leveillula taurica)	3-5 (0.15-0.25)	have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Tumeric Yam, bean Yam, true	Soilborne Diseases Circular spot, Southern blight (Sclerotium rolfsii) Rhizoctonia stem canker, Crown rot (Rhizoctonia solani) Pythium root rot (Pythium aphanidermatum)	0.125-0.25 oz /1000 row feet	For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.

Сгор	Target Diseases	Use Rate oz product/A (Ib ai/A)	Remarks
Watercress	Cercospora leaf spot (Cercospora spp)	2-5 (0.1-0.25)	integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes varieties with disease tolerance, insect control and proper fertilization.
			Resistance Management: Do not apply more than two sequential applications of Amistar before alternating with a fungicide that has a different mode of action. Do not make more than three applications of Amistar or other strobilurin fungicide per acre per cutting (2 cuttings per year).
	·		Application Directions: Amistar applications should begin prior to disease development and continue throughout the season on a 7-10 day schedule, following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates.
Specific Use Restrictions: Do not ap Do not apply more than 1.88 pounds May be applied up to 7 days prior to	ply more than 0.93 pound per cutting (1.5 lb active ingredient) per acre per harvest.	season.	
Wheat Triticale	Leaf Rust (Puccinia recondita f.sp. tritici) Stripe Rust (Puccinia striiformis) Stem Rust (Puccinia graminis)	1.4-4.0 (0.07-0.20)	Integrated Pest (Disease) Management: Amistar should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation.
	Septoria Leaf and Glume Blotch (Septoria tritici, Septoria nodorum)		Resistance Management: Do not make more than two applications of Amistar or other strobilurin fungicide per acre per year.
	Tan Spot (Pyrenophora tritici-repentis)		Application Directions: Amistar should be applied prior to disease development from jointing (Feekes 6 or Zadok's 31) up to late head emergence
	Powdery Mildew (Erysiphe graminis)	2.5-3.5 (0.125-0.175)	(Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop oil concentrate adjuvant may be added at 1.0% V/V to optimize efficacy.
	product/acre/season (0.4 lb ai/A).		
Do not apply within 45 days of harve			·

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Amistar Rate Conversion Chart

Ounces Product/A	Lb. a.i./A	Treated Acres/Lb. Product
1.0	0.05	16.0
1.5	0.08	10.7
2.0	0.10	8.0
2.5	0.13	6.4
3.0	0.15	5.3
3.5	0.18	4.6
4.0	0.20	4.0
4.5	0.23	3.7
5.0	0.25	3.2
5.5	0.28	2.9
6.0	0.30	2.7
6.5	0.33	2.5
7.0	0.35	2.3
7.5	0.38	2.1
8.0	0.40	2.0

Amount of Amistar Fungicide to Mix 100 Gallons for Post-Harvest Applications

Amistar Use Rate	100.0 gals. Spray Solution
200 ppm	3.3 oz
300 ppm	5 oz
400 ppm	6.6 oz

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