

70905-2

12/15/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dr. Matthew Brooks, agent for Sulphur Mills
Ag-Chem Consulting LLC
12208 Quinque Lane
Clifton, VA 20124

DEC 15 2009

Subject: Unicorn
EPA Reg. No. 70905-2
Your amendment dated November 18, 2009
Decision Number 420310

Dear Mr. Brooks:

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

1) On page 12 for "Leafy Brassica Greens", add the restrictions "Make applications on a 10 day interval" and "Application to turnip greens is limited to East of the Rockies".

One copy of the label stamped "Accepted, with comments" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Tracy Keigwin of my team at (703) 305-6605 and/or via email at keigwin.tracy@epa.gov

Sincerely,

A handwritten signature in black ink that reads "Mary L. Waller".

Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505P)

Enclosure: "Accepted with comments" label

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**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

12/15/2009

Unicorn

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

70 905-2

A fungicide for the control of powdery mildew, rust and other diseases on various crops.

ACTIVE INGREDIENT: Tebuconazole, a-[2-(4-chlorophenyl)ethyl]a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol...	4.5%
Sulfur	70.0%
OTHER INGREDIENTS.....	25.5%
	100.0%

Contains 0.7 lbs sulfur and 0.045 lbs tebuconazole per pound of product.

EPA Reg. No. 70905-2

EPA Est. No. - xx

KEEP OUT OF REACH OF CHILDREN

CAUTION /PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(TO THE USER: If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
In case of emergency call toll ChemTech Telephone No. 1-800-334-7577.	
Have product container or label with you when calling a poison control center or doctor, or going for treatment.	
Note to Physician: No specific antidote. Treat symptomatically.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

Personal Protective Equipment (PPE): Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA Chemical Resistant Category Selection Chart.

Applicators and other handlers must wear:

- Protective Eyewear
- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

User Safety Recommendations:

Users should:

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

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

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

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as pond, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

PHYSICAL HAZARDS

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks, or flames. Do not smoke while applying this product.

DIRECTIONS FOR USE

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

STOP – Read the entire label before use

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval and notification to workers. 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) specified in the Application Directions for each crop.

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

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

GENERAL INFORMATION

UNICORN is a water dispersible granule formulation containing 0.7 lbs sulfur and 0.045 lbs tebuconazole per pound of formulated product. Avoid overnight storage of spray mixtures.

Spray Volume: UNICORN may be applied in a minimum of **10** gallons or more of spray solution per acre by ground spray equipment or in **5** gallons or more per acre by aircraft spray equipment except as noted under "GENERAL" for each crop. Increase spray volume as crop growth increases to ensure thorough coverage of the foliage and fruit. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied.

Aerial Application: No aerial application is allowed on Long Island, New York.

Chemigation: Apply UNICORN only through center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

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. Do not apply when wind speed favors drift beyond the area intended for treatment.

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

Mixing: Insure the spray tank is clean and free of residues from previous spray treatments. Fill the spray tank ¾ full with clean water. Make sure the tank agitation system is operating while adding products. Add specified amount of UNICORN into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the UNICORN should be thoroughly dispersed prior to the addition of other materials. Do not tank mix with products containing a prohibition against tank mixing. Follow the most restrictive labeling requirements of any tank mix product. Continue to operate the agitation system until the spray tank has been emptied.

Compatibility: To determine the compatibility of UNICORN with other products, the following procedure should be followed:
 Pour the specified proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible. For further information, contact your local Sulphur Mills Ltd. representative.

ASPARAGUS

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Asparagus	Rust (<i>Puccinia</i> spp.)	2.0 to 3.75 lbs/acre
<p>GENERAL: Apply UNICORN as a foliar spray to the developing ferns after harvest of spears is completed. Apply at the earliest sign of rust pustules or when weather conditions are conducive for rust development. Alternate applications with another effective fungicide. Under conditions of severe rust pressure, use the higher labeled rate. Repeat applications on a 14-day interval as necessary to maintain control of rust.</p> <p>Apply the specified rate of UNICORN in a minimum of 10 gallons spray solution by ground or 5 gallons per acre by air. A 50 foot spray drift buffer zone is required for all aerial applications. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 11.25 lbs (0.51 lb ai/acre) of UNICORN per acre per season. - Do not apply to harvestable spears. - Do not apply within 100 days of harvest in California and 180 days in all other states. - Do not make more than three foliar applications of UNICORN per season. - Do not mix UNICORN with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.</p>		

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BANANA AND PLANTAIN

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Banana	Black leaf streak	1.75 to 2.0 lbs/acre
Plantain	Yellow sigatoka	
<p>GENERAL: Make the first application before disease becomes established and repeat applications at 14-day intervals if necessary to maintain disease control. Apply the specified rate of UNICORN as a foliar spray in a minimum of 20 gallons or more of water per acre to assure thorough coverage of the plants. A spray oil recommended for use on banana or plantain should be utilized at 4.3 pints per acre in tank-mix with UNICORN. Thoroughly mix UNICORN in the spray solution prior to the addition of a spray oil.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 10 lbs (0.45 lb ai/acre) of UNICORN per acre per harvest cycle. - Apply UNICORN up to the day of harvest. - Do not apply UNICORN to non-bagged bananas. - Do not mix UNICORN with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours without appropriate PPE for early entry.</p>		

BARLEY

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Barley	Rusts (<i>Puccinia</i> spp.) Head blight (<i>Fusarium</i> spp.) - Suppression	2.0 to 2.5 lbs per acre
<p>GENERAL: Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Thorough coverage is important for optimum disease control. For optimum benefit, the lowest labeled rate of a spray surfactant should be tank mixed with UNICORN. Barley fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p> <p>Rusts: Apply the specified rate of UNICORN as soon as weather conditions are favorable for rust development or when first rust pustules are present on foliage.</p> <p>Fusarium Head Blight: Apply the specified rate of UNICORN for Fusarium head blight suppression when the main stem heads have fully emerged (Feekes 10.5) on 50% of the plants.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 2.5 lbs (0.1125 lb ai/acre) of UNICORN per acre per crop season. 		

- Do not apply UNICORN less than 30 days before harvest.
 - Straw cut after harvest may be fed or used for bedding.
 - Grazing livestock or feeding of green forage is permitted 6 or more days after the last application of UNICORN.
 - Do not mix UNICORN with other DMI fungicides.
- Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.**

BEANS

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Beans (fresh & dry except succulent shelled)	Rust (<i>Uromyces appendiculatus</i>)	2.0 to 3.75 lbs per acre
<p>GENERAL: Apply UNICORN in a protective spray schedule or when weather conditions are favorable for rust development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Repeat applications at 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.</p> <p>Beans, fresh: UNICORN may be applied up to 7 days before harvest. Beans, dry: UNICORN may be applied up to 14 days before harvest.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per crop season for Beans, fresh. - Do not apply more than 7.5 lbs (0.34 lb ai/acre) of UNICORN per acre per crop season for Beans, dry. - Do not mix Unicorn with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.</p>		

BEETS

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Garden beet roots and tops (eaves)	Cercospora leaf spot (<i>Cercospora beticola</i>)	2.0 to 4.5 lbs per acre
<p>GENERAL: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Make applications on a 14-day interval. The lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p>		

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RESTRICTIONS:

- Do not apply more than 18 lbs (0.81 lb ai/acre) of UNICORN per acre per season.
- Do not apply within 7 days of harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

CORN

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Corn (sweet corn, field corn, field corn grown for seed, and popcorn)	Rust (<i>Puccinia</i> spp.) Northern leaf blight (<i>Helminthosporium turcicum</i>) Southern leaf blight (<i>Helminthosporium maydis</i>) Northern leaf spot (<i>Helminthosporium carbonum</i>) Gray leaf spot (<i>Cercospora zeae-maydis</i>)	2.0 to 3.75 lbs per acre

GENERAL:

Apply UNICORN in a protective spray schedule or when weather conditions are favorable for disease development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per crop season.
- Sweet corn: UNICORN may be applied up to 7 days before the harvest of ears or forage and 49 days before the harvest of fodder.
- Field, Seed, or Popcorn: UNICORN may be applied up to 21 days before the harvest of forage, and 36 days before the harvest of grain or fodder.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 19 days for sweet corn and 12 hours for all corn except sweet corn without appropriate PPE for early entry.

COTTON

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Cotton	Southwestern cotton rust (<i>Puccinia cacabata</i>)	3.75 to 5.0 lbs per acre

GENERAL:

Apply UNICORN in a protective spray schedule or when weather conditions are favorable for rust development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Repeat applications at 7- to 14-day intervals, or as necessary to maintain control. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 30 days before harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

CUCURBIT VEGETABLES

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Chayote Chinese waxgourd Citron melon Cucumber Gherkin Edible gourd, (includes hyotan, cucuzza, hechima and Chinese okra) Momordica spp. (includes balsam apple, balsam pear, bitter melon and Chinese cucumber) Muskmelon (includes cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon and snake melon) Pumpkin Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini) Winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash) Watermelon	<p>Powdery mildew (<i>Sphaerotheca fuliginea/Podosphaera xanthii</i>) (<i>Erysiphe cichoracearum</i>)</p> <p>Gummy stem blight – suppression (<i>Didymella bryonae</i>) (watermelon, squash, pumpkin, and melons only)</p>	<p>2.0 to 3.75 lbs per acre</p> <p>5.0 lbs per acre</p>

GENERAL:
 Apply UNICORN in a protective spray schedule to foliage and fruit. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Repeat applications at 10- to 14-day intervals. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:
 UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 7 days before harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

GARLIC AND ONIONS

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Dry bulb onion Garlic Great-headed (elephant) garlic	White rot (<i>Sclerotium cepivorum</i>)	White rot: 12.75 lbs per acre applied in a 4 to 6 inch band over/into each furrow. May be applied by chemigation to control white rot.
Welch onion Shallot	Rust (<i>Puccinia allii</i> , <i>Puccinia porri</i>) Purple blotch (<i>Alternaria porii</i>)	2.0 to 3.75 lbs per acre

GENERAL:
 For optimum results, apply UNICORN as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. The lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN. For foliar applications, apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air.

White rot: For the control of white rot, make one application in the furrow at the time of planting. The in-furrow application should be made at the rate of 12.75 lbs UNICORN per acre. Apply the entire per acre rate in a 4 to 6 inch band over/into each furrow. Additional control may be obtained by including two foliar applications at 2.0 to 3.75 lbs per acre.

Rust: For the control of rust make foliar applications at the specified rates of UNICORN per acre per application. Repeat at an interval of 10 to 14 days.

PRECAUTIONS:
 UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 20.25 lbs (0.91 lb ai/acre) of UNICORN per acre per season if an in-furrow treatment is made.
- Do not apply more than 7.5 lbs (0.34 lb ai/acre) of UNICORN per acre per season as a foliar spray if UNICORN is not applied as an in-furrow treatment.

- Do not apply within 7 days of harvest.
 - Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

GRAPE

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Grape	Black rot Powdery mildew	1.75 to 2.5 lbs/acre

GENERAL:

Apply in a minimum of 50 gallons of spray solution per acre. Increase spray volume as vine growth increases in order to provide thorough coverage of vines and fruit. For optimum disease control, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN.

Powdery Mildew

Apply in a preventive spray schedule. Make the first application of UNICORN before bloom and continue applications using spray intervals of up to 21 days in low to moderate disease pressure at lower rates in the rate range. Use higher rates and a 14-day schedule when disease pressure is severe.

Black Rot

Preventative Schedule: Make the first application at 1- to 3-inches of new shoot growth and continue at 7- to 14-day intervals through 5° Brix stage or until veraison (berry coloring) is complete. Apply at 1-inch new shoot growth and at 7- to 10-day intervals on highly susceptible varieties or under severe disease conditions.

Post-Infection Schedule: A post-infection schedule may be followed from 1-inch new shoot growth through 5° Brix stage. Apply within 72 hours after the beginning of an infection period. UNICORN applications should not be closer than 7 days apart. Continue UNICORN applications using the preventive schedule if the post-infection schedule is discontinued.

Botrytis

UNICORN, applied in a powdery mildew spray schedule, will enhance the activity of registered fungicides used for control of Botrytis bunch rot. Applications must be made on a 14-day schedule for suppression of Botrytis.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 20 lbs (0.9 lb ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 14 days prior to harvest.
- Do not make applications less than 7 days apart.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours without appropriate PPE for early entry.

GRASSES GROWN FOR SEED

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Grasses Grown for Seed	Rusts (<i>Puccinia spp.</i>) Powdery mildew	2.0 to 5.0 lbs per acre
<p>GENERAL: Apply in a minimum of 20 gallons of spray solution per acre by ground or 10 gallons per acre by air. Thorough coverage is important for optimum disease control. For optimum benefit, the lowest labeled rate of a spray surfactant should be tank mixed with UNICORN.</p> <p>Rusts: Apply the specified rate of UNICORN as soon as weather conditions are favorable for rust development or when first rust pustules are present. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 4.0 to 5.0 lbs/acre and shorter spray intervals.</p> <p>Powdery Mildew: Apply specified rate of UNICORN when powdery mildew first appears on the leaves. Repeat applications at 14- to 16-day intervals. Under heavy disease pressure use 4.0 to 5.0 lbs/acre and shorter spray intervals.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 10 lbs (0.45 lb ai/acre) of UNICORN per acre per crop season. - Do not apply UNICORN less than 4 days before harvest. - Chaff, screenings and straw from treated areas may be used for feed purposes; however, do not forage, cut green crop, or use seed for feed purposes. - Regrowth may be grazed starting 17 days after last application. - Do not mix UNICORN with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.</p>		

HOPS

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Hops	Powdery mildew (<i>Sphaerotheca humuli/Sphaerotheca macularis</i>)	2.5 to 5.0 lbs per acre
<p>GENERAL: Apply the specified rate of UNICORN in a protective spray schedule to foliage. Repeat applications on a 10 to 14 day spray interval. Use of the higher rate and shorter spray intervals are recommended when disease pressure is severe. For optimum disease control, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Thorough coverage is important for optimum disease control. Increase spray volume as crop grows and more spray volume is required for thorough coverage.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p>		

RESTRICTIONS:

- Do not apply more than 20 lbs (0.9 lb ai/acre) of UNICORN per acre per season.
- Do not apply UNICORN within 14 days of harvest.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

LEAFY BRASSICA GREENS

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Broccoli raab Chinese cabbage (bok choy) Collards Kale Mizuma Mustard greens Mustard spinach Rape greens Turnip greens	Cercospora leaf spot (<i>Cercospora brassicicola</i>) Powdery Mildew (<i>Erysiphe cruciferarum</i>) Alternaria leaf spot (<i>Alternaria brassicicola</i>)	2.0 to 2.5 lbs per acre

GENERAL:

For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. The lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 10 lbs (0.45 lb ai/acre) of UNICORN per acre per season.
- Do not apply within 7 days of harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

LYCHEE

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Lychee	Anthracoise (<i>Colletotrichum gloeosporioides</i>)	2.0 to 3.75 lbs per acre

GENERAL:

Begin first application of UNICORN as panicle emerges. Spray up to 3.75 lbs per acre every 10 days thereafter for a total of 8 sprays. Apply specified dosage in a minimum of 50 gallons of spray solution per acre by ground only. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 30 lbs (1.35 lb ai/acre) of UNICORN per acre per season.
- UNICORN can be applied up to and including the day of harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 2 days without appropriate PPE for early entry.

OKRA

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Okra	Cercospora leaf spot (<i>Cercospora</i> spp.)	2.0 to 3.75 lbs per acre
GENERAL:		
Apply specific dosage of UNICORN in a preventative spray program. Use the highest rate when disease conditions are favorable and in areas where high disease pressure is expected. Applications may be repeated at 14-day interval in order to maintain control of the disease. Apply specified dosage as a foliar spray in a minimum of 20 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.		
PRECAUTIONS:		
UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.		
UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.		
RESTRICTIONS:		
<ul style="list-style-type: none"> - Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per season. - Applications may be made no closer than 3 days before harvest. - Do not mix Unicorn with other DMI fungicides. 		
Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.		

ONIONS/GREEN

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Green onion Leek Spring onion Scallion Japanese bunching onion	White rot (<i>Sclerotium cepivorum</i>) suppression only Rust (<i>Puccinia allii</i> , <i>Puccinia porri</i>) Purple blotch (<i>Alternaria porii</i>)	2.0 to 3.75 lbs per acre

Green shallots Green eschalots	
<p>GENERAL: For optimum results use as a preventative treatment. Begin applications as soon as crop and/or environmental conditions become favorable for disease development. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. The lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 15 lbs (0.675 lb ai/acre) of UNICORN per acre per season. - Do not apply within 7 days of harvest. - Do not mix Unicorn with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.</p>	

PEANUT

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Peanut	<p>SOILBORNE: Sclerotium stem and pod rot (white mold, southern blight, southern stem rot) Rhizoctonia limb rot Rhizoctonia pod rot (Virginia and North Carolina only)</p> <p>FOLIAR: Early leaf spot Late leaf spot Leaf rust Web blotch (Phoma) Pepper spot (Leptosphaerulina)</p>	4.0 – 4.5 lbs per acre
	Powdery Mildew	4.0 – 4.5 lbs per acre
<p>GENERAL: For optimum control of the specified soilborne diseases, four consecutive applications of UNICORN must be made at 14-day intervals. UNICORN must be carried by rainfall or irrigation into the root and pod zone for control of root and pod rots caused by <i>Sclerotium rolfsii</i> and <i>Rhizoctonia solani</i>. Drought conditions will decrease the effectiveness of UNICORN against the root and pod rots.</p> <p>When making foliar applications, apply UNICORN in a minimum of 10 gallons of spray solution per acre by ground and 5 gallons per acre by air. Apply in sufficient spray volume for thorough coverage. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.</p> <p>FOUR-APPLICATION SPRAY PROGRAM: Apply the specified rate in a preventive spray schedule. See table below for proper timing of applications. Applications of chlorothalonil should be made prior to and following applications of UNICORN to minimize development of resistant strains of fungi. For optimum control of foliar diseases such as leaf rust, web blotch, and pepper spot, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN.</p>		

LEAF SPOT ADVISORY SCHEDULE: For control of soilborne diseases in an advisory schedule, apply UNICORN in the first advisory spray in July and continue UNICORN applications at 14-day intervals. Applications after August 15 should be tank mixed with chlorothalonil for resistance management purposes.

POWDERY MILDEW: Apply in a preventative schedule. Make the first application of UNICORN when conditions favor disease development and continue applications at 14-day intervals for control.

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

Chlorothalonil may be tank mixed at the rate of 12 ounces of active ingredient with UNICORN as a leaf spot resistance management strategy. A spray surfactant is not necessary when UNICORN is tank mixed with chlorothalonil.

Timing of UNICORN Application for Optimum Control of White Mold and Rhizoctonia Limb and Pod Rot

Spray Program	UNICORN Application No.	Chlorothalonil Application No.
7 applications	3, 4, 5 and 6	1, 2 and 7

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 18 lbs (0.81 lb ai/acre) of UNICORN per acre per crop season.
- Do not apply within 14 days prior to harvest.
- Do not feed hay or threshings or allow livestock to graze in treated areas.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

PECAN

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Pecan	Brown leaf spot (<i>Sirosporium diffusium</i>) Downy spot (<i>Mycosphaerella caryigena</i>) Liver spot (<i>Gnomonia caryae</i>) Scab (<i>Cladosporium caryigenum</i>) Vein spot (<i>Gnomonia nerviseda</i>) Zonate leaf spot (<i>Grovesinia pyramidalis</i>)	2.5 to 5.0 lbs per acre

GENERAL:

Apply UNICORN in a preventative spray schedule beginning at early bud break (young leaves unfolding), and continue applications at 10- to 14-day intervals through the pollination period. Make applications in a spray volume of 50 or more gallons per acre by ground and 15 or more gallons per acre by air.

UNICORN should be applied at 2.5 lbs per acre in a tank-mix with the recommended rate of Super-Tin® in cover sprays. Follow label directions for the use of Super-Tin. Do not add a surfactant to the spray solution when tank-mixing UNICORN with Super-Tin. Apply 4.0 to 5.0 lbs per acre of UNICORN to full-size mature trees, and 2.5 to 4.0 lbs per acre of UNICORN to smaller trees. Apply the high rate to varieties that are highly susceptible to the indicated diseases, or when severe disease conditions exist. The lowest labeled rate of a surfactant may be added to the spray solution for optimum control of the indicated diseases.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- A maximum of 20 lbs (0.9 lb ai/acre) of UNICORN may be applied per acre per crop season.
- Do not add surfactant to the spray solution when tank-mixing UNICORN with Super-Tin.
- Do not apply after shucks begin to split.
- Do not cut cover crops in treated areas for feed or allow livestock to graze treated areas.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

POME FRUITS (Apple, Crabapple, Loquat, Mayhaw, Pear, Pear oriental and Quince)

APPLICATION INSTRUCTIONS			
CROP	DISEASE	RATE OF UNICORN	
Apple Crabapple Loquat Mayhaw Pear Pear oriental Quince	Scab Cedar-apple rust Powdery mildew	1.0 lb/100 gal*	2.0 to 3.0 lbs/acre**

GENERAL:

Scab:

Preventative schedule: Apply at 7- to 10-day intervals from green tip through the second cover spray.

Post-infection schedule: Apply within 72 hours after the beginning of a scab infection period. UNICORN applications should not be closer than 7 days apart. Continue UNICORN applications using the preventive schedule if the post-infection schedule is discontinued.

Cedar-apple rust: Apply at 7- to 10-day intervals from pink stage through the second cover spray.

Powdery mildew: Apply at 7- to 10-day intervals from tight cluster through the second cover spray.

*When using the 1.0 lb/100 gal rate, use at least 2.0 lbs of UNICORN per acre.

**The amount of UNICORN required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For smaller trees, multiply 1.0 lb times the number of 100 gallons of spray solution required to thoroughly wet, to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply in a minimum of 50 gallons of spray per acre and apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume, but not less than 2.0 pounds of UNICORN per acre. Apply 2.2 to 3.0 pounds per acre of UNICORN when severe disease conditions exist. For optimum disease control, the lowest labeled rate of a nonionic surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 30 lbs (1.35 lbs ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 75 days before harvest.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 5 days without appropriate PPE for early entry.

SOYBEAN

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Soybean	Rust (<i>Phakopsora pachyrhizi</i>) Powdery mildew (<i>Microsphaera diffusa</i>)	2.0 to 2.5 lbs per acre

GENERAL:

Apply the specified rate of UNICORN as a broadcast foliar spray prior to or at first appearance of disease. Repeat applications on a 10 to 14 day spray interval if environmental conditions are favorable for continued disease development. Use of the higher rate and shorter spray intervals are recommended when disease pressure is severe. For optimum disease control, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Thorough coverage is important for optimum disease control. Applications may be made up to the R6 (full seed) soybean growth stage.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 7.5 lbs (0.34 lb ai/acre) of UNICORN per acre per season.
- Do not apply UNICORN within 21 days of harvest.
- Do not apply more than 3 applications per acre per season.
- Do not feed soybean forage or hay to livestock.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

STONE FRUITS (Apricot, Cherry, Nectarine, Peach, Plum, Plumcot and Prune [fresh])

APPLICATION INSTRUCTIONS			
CROP	DISEASE	RATE OF UNICORN	
Apricot Cherry Nectarine Peach Plum Plumcot Prune (fresh)	Brown rot (blossom blight, fruit rot) Cherry leaf spot Powdery mildew	1.0 lb/100 gal*	2.0 to 3.0 lbs/acre**
Plum Plumcot	Rust	1.0 lb/100 gal*	2.0 to 3.0 lbs/acre**

Prune (fresh) Peach			
<p>GENERAL:</p> <p>Blossom blight: Begin application at white bud on cherry, or pink bud on peach and nectarine, and green tip on plums and prunes. Apply again at 50% bloom and petal fall if conditions continue to be favorable for disease development.</p> <p>Fruit rot: Begin application at two to three weeks before harvest and continue at 7-day intervals through the day of harvest. The blossom and fruit stages must be protected for optimum control of brown rot. If UNICORN is applied during only one of these stages, another registered fungicide should be applied to the other stage to provide optimum protection. Additional cover sprays during the early postbloom period are also important for preventing quiescent fruit infections in sweet cherry and peach.</p> <p>Leaf spot: Begin application at petal fall or when first leaves unfold and continue applications at 7- to 14-day intervals. Applications should be made at 7-day intervals early in the growing season when terminal growth is rapid and/or under severe disease conditions. A post-harvest application may be made to maintain control and reduce overwintering inoculum.</p> <p>Powdery mildew: Follow leaf spot schedule until terminal growth ceases.</p> <p>Rust: Begin applications after canker emergence and continue applications at 14-day intervals under severe disease conditions.</p> <p>*When using the 1.0 lb/100 gal rate, use at least 2.0 lbs of UNICORN per acre. **The amount of UNICORN required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For smaller trees, multiply 1.0 lb times the number of 100 gallons of spray solution required to thoroughly wet, to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply in a minimum of 50 gallons of spray per acre and apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume, but not less than 2.0 pounds of UNICORN per acre. Apply 2.2 to 3.0 pounds per acre of UNICORN when severe disease conditions exist. For optimum disease control, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN.</p> <p>PRECAUTIONS: UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.</p> <p>UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> - Do not apply more than 30 lbs (1.35 lbs ai/acre) of UNICORN per acre per crop season. - UNICORN may be applied up to and including the day of harvest. - Do not mix UNICORN with other DMI fungicides. <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</p>			

SUNFLOWER

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Sunflower	Rust (<i>Puccinia helianthi</i>)	2.0 to 3.75 lbs per acre

GENERAL:

Apply specific dosage of UNICORN at the earliest sign of infection (rust pustules developing) or when weather conditions are favorable for rust development. Apply higher rate to highly susceptible varieties and/or under severe disease conditions. Application may be repeated at 14 days if necessary to maintain control of the disease. Apply specified dosage in a minimum of 20 gallons of spray solution per acre by ground or a minimum of 5 gallons of spray solution by air. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN. Contact your state Extension Service or Sulphur Mills' representative for a list of approved surfactants.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 10 lbs (0.45 lb ai/acre) of UNICORN per acre per season.
- Do not apply UNICORN within 50 days of harvest.
- Do not mix Unicorn with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

TREE NUTS (Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pistachios and Walnut)

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Almond (see specific use directions)	Brown rot blossom blight	3.0 to 5.0 lbs/acre
Beechnut	Botryosphaeria panicle and shoot blight	
Brazil nut	Eastern filbert blight	
Butternut		
Cashew		
Chestnut		
Chinquapin		
Filbert (see specific use directions)		
Hickory nut		
Pistachios (see specific use directions)		
Walnut		

General: For all crops except almond, pistachio and filbert (hazelnut), begin applications when conditions are favorable for disease but before infection. Apply on a 7- to 14-day spray schedule. Apply UNICORN is sufficient spray volume for thorough coverage. For optimum disease control, the lowest labeled rate of a nonionic spray surfactant should be tank-mixed with UNICORN.

Almond: For control of brown rot blossom blight, begin application at pink bud. If the bloom period is extended, and/or severe disease conditions exist, make a second application at full bloom. If conditions remain favorable for disease, make another application at petal fall. Apply UNICORN in a minimum spray volume of 15 gallons per acre by air or 50 gallons per acre by ground. Reduce the application interval for varieties that are highly susceptible to the indicated diseases or when severe disease conditions exist. The use of ground application after petal fall is preferred because of difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and fruit by air.

Pistachios: For control of Botryosphaeria panicle and shoot blight, begin application at 25 to 50% bloom and repeat again 10 to 14 days later to protect young flower clusters and fruit. Make two additional applications of UNICORN 14 days apart beginning 49 days before harvest. Apply UNICORN in a minimum spray volume of 15

gallons per acre by air or 50 gallons per acre by ground. Reduce the application interval for varieties that are highly susceptible to the indicated diseases or when severe disease conditions exist. The use of ground application after flowering is preferred because of difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and fruit by air. Control of insect vectors and a thorough pruning program to remove plant tissue infected by *Botryosphaeria* spp. are critical for optimum control of this disease.

Filberts (Hazelnuts): For control of eastern filbert blight, apply UNICORN in a preventative spray schedule when conditions are favorable for disease (such as budbreak when the first green tissue is visible). Continue applications of UNICORN at 7- to 14-day intervals if weather conditions are conducive to disease development. Use shorter spray intervals during budbreak and rapid shoot elongation. The expanding shoot tip must be protected. Reduce the application interval for varieties that are highly susceptible to the indicated disease or when severe disease conditions exist. Apply UNICORN in sufficient spray volume for thorough coverage. Tankmixing the lowest labeled rate of a spray surfactant with UNICORN may improve spray coverage and penetration of the active ingredient into plant tissue. The use of ground application is preferred because of the difficulty in penetrating the canopy and obtaining thorough coverage of the foliage and stems by air.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 20 lbs (0.9 lb ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 35 days before harvest.
- Do not cut cover crops in treated areas for feed, or allow livestock to graze treated areas.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours without appropriate PPE for early entry.

TURNIP

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Turnip (application is limited to East of the Rockies)	Cercospora leaf spot (<i>Cercospora brassicicola</i>)	2.0 to 4.5 lbs per acre

GENERAL:

Apply the specified dosage in a protective spray schedule to foliage. Repeat applications at 12- to 14-day intervals. Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. For optimum disease control, the lowest labeled rate of a spray surfactant should be tank-mixed with UNICORN.

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 18 lbs (0.81 lb ai/acre) of UNICORN per acre per crop season.
- UNICORN may be applied up to 7 days before harvest.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

WHEAT

RECOMMENDED APPLICATIONS		
CROP	DISEASE	RATE OF UNICORN
Wheat	Rusts leaf, stem and stripe (<i>Puccinia spp.</i>) Head blight or scab (<i>Fusarium spp.</i>) - Suppression	2.0 to 2.5 lbs per acre

GENERAL:

Apply in a minimum of 10 gallons of spray solution per acre by ground or 5 gallons per acre by air. Thorough coverage is important for optimum disease control. For optimum benefit, the lowest labeled rate of a spray surfactant should be tank mixed with UNICORN. Wheat fields should be observed closely for early disease symptoms, particularly when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.

Rusts: Apply the specified rate of UNICORN as soon as weather conditions are favorable for rust development or when first rust pustules are present on foliage.

Fusarium Head Blight: Apply specified rate of UNICORN for Fusarium head blight suppression at the beginning of flowering on the main stem heads (Feekes 10.51).

PRECAUTIONS:

UNICORN is a sterol demethylation inhibitor (DMI) fungicide. (Group 3). It may be applied in a tank-mix or alternated (every other spray application) with a non-DMI fungicide as a resistance management strategy.

UNICORN requires two to four hours drying time on plant foliage for the active ingredient to move into the plant tissue before rain or irrigation occurs. It will be resistant to weathering after that period of time.

RESTRICTIONS:

- Do not apply more than 2.5 lbs (0.11 lb ai/acre) of UNICORN per acre per crop season.
- Do not apply UNICORN less than 30 days before harvest.
- Straw cut after harvest may be fed or used for bedding.
- Do not allow livestock to graze or feed green forage to livestock prior to 6 days after treatment with UNICORN.
- Do not mix UNICORN with other DMI fungicides.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours without appropriate PPE for early entry.

SEED TREATMENT

APPLICATION INSTRUCTIONS		
CROP	DISEASE	RATE OF UNICORN
Corn (Sweet Corn, Field Corn, Field Corn Grown for Seed, and Popcorn)	Soilborne and Seedborne Fusarium	0.7 oz/CWT
	Soilborne and Seedborne	2.7 to 5.4 oz/CWT

	Head smut (<i>Sphacelotheca reiliana</i>)
<p>GENERAL: For control of soilborne and seedborne Fusarium and soilborne and seedborne head smut, apply UNICORN as a seed treatment using standard slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Seed should be sound and well cured prior to treatment. Product should be diluted with sufficient water to ensure complete seed coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop to be treated with UNICORN. The length of control will vary depending on the rate used.</p> <p>PRECAUTIONS: When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent uses as a food for man or feed for animals.</p> <p>SEED LABELING: To meet U.S. Federal Seed Act requirements, all seed treated with UNICORN must be labeled: TREATED SEED. DO NOT USE FOR FOOD, FEED OR OIL PURPOSES. Treated with Tebuconazole.</p>	

SPRAY DRIFT REDUCTION ADVISORY

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

Spray Drift Management: The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Buffer Zone Requirements: Ground and aerial application within 100 feet of bodies of water listed above is prohibited. Application to fields next to bodies of water may only be made every other year.

Recommendations For Aerial Applications: The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Importance of Droplet Size: An important factor influencing drift is droplet size. Small droplets (<150-200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the canopy should be avoided.

Wind Speed Restrictions: Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions: Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present,

inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Airblast (Air Assist) Specific Recommendations for Tree Crops and Vineyards: Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. The following specific drift management practices should be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the orchard or vineyard, for applications to the outside rows.

Runoff Management: Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Soil Conservation Service for recommendations in your use area.

ROTATIONAL CROPS

Any crop not specified on this label may be planted into treated areas 120 days after last application.

STORAGE AND DISPOSAL

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

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

Handle and open container in a manner as to prevent spillage. If container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material.

SPILL, FIRE, LEAK or OTHER CHEMICAL EMERGENCY: Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. In case of spill or leak on floor or paved surfaces, soak up with sand earth, or synthetic adsorbent. Remove to chemical waste area. In the event of a major spill, fire, or other emergency, call Infotrac at 800-535-5053, day or night.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available, or dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

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

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