



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Andy Chen  
95 Maccorkle Avenue, Southwest  
South Charleston, WV 25303

JUL 12 2010

Subject: EPA Reg. 8622-68 / Calirus 150 / Copper RED Amendment

Dear Mr. Chen:

The labeling referred to above, submitted in connection with compliance with the Copper RED is acceptable provided you make the following changes to the label:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
- 2) You must add the following spray drift language to the label:

“Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and the method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

#### Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### For aerial application:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

#### For groundboom application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.”

3) The active ingredient “copper sulfate” must be changed to “copper sulfate pentahydrate”.

4) The CAS number, 7758-99-8, must be added after “copper sulfate pentahydrate”. After “contains 1.02 lbs./gallon... acid/gallon” add “contains 2.6% metallic copper, and 0.256 pounds of copper as metallic per gallon of product”.

5) The text “applicators and other handlers” appearing in the PPE section must be revised to read “Mixers, loaders, applicators and other handlers.”

6) Per the Copper RED, the text in **bold type** below must be added to the User Safety Requirements currently on the:

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

**Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.”**

7) The text “Users should remove *PPE clothing* immediately if pesticide gets inside” appearing in the User Safety Recommendations should be revised to read “User should remove *clothing/PPE* immediately if pesticide gets inside.”

8) Per the Copper RED, the Environmental Hazards text currently on the label must be revised to read:

“This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.”

9) Per the product chemistry review, add the heading “Physical or Chemical Hazards” immediately after the Environmental Hazards section, and “Incompatible with strong oxidants”.

10) Per the Copper RED, the following revisions are needed to the Agricultural Use Requirements box:

-The REI must be revised to 48 hours.

-The early entry PPE must be revised to read:

“Coveralls,  
Shoes plus socks,  
Chemical-resistant gloves made of any waterproof material, and  
Protective eyewear.”

11) Update the Container Disposal section to comply with PR Notice 2007-4.

12) Delete “General” from “General Application Instructions” and “General Precautions for Applications...”.

13) To the use directions add the following restrictions.

Cucurbits: Maximum annual application rate is 5.25 lbs metallic copper per acre.

Citrus:

Maximum individual application rate is 3.15 lbs metallic copper per acre.

Maximum annual application rate is 12.6 lbs metallic copper per acre.

The minimum retreatment interval is 7 days.

Crucifers:

Maximum individual application rate is 0.53 lbs metallic copper per acre.

Maximum annual application rate is 2.65 lbs metallic copper per acre.

The minimum retreatment interval is 7 days.

Potatoes: Maximum annual application rate is 25 lbs metallic copper per acre.

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Grapes: Maximum annual application rate is 20 lbs metallic copper per acre.

Turf: Maximum annual application rate is 21 lbs metallic copper per acre.

Lettuce: Maximum annual application rate is 8 lbs metallic copper per acre.

Hops:

Maximum individual application rate is 0.53 lbs metallic copper per acre.

Maximum annual application rate is 2.65 lbs metallic copper per acre.

The minimum retreatment interval is 10 days.

Coriander: Maximum annual application rate is 2.65 lbs metallic copper per acre.

Onions: Maximum annual application rate is 6.0 lbs metallic copper per acre.

Celery: Maximum annual application rate is 5.3 lbs metallic copper per acre.

Parsley: Maximum annual application rate is 2.0 lbs metallic copper per acre.

Ornamentals listed on label:

Maximum individual application rate is 2.0 lbs metallic copper per acre.

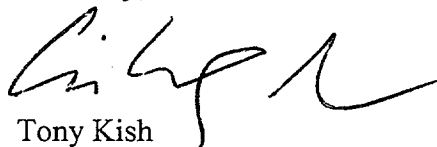
Maximum annual application rate is 20 lbs metallic copper per acre.

The minimum retreatment interval is 7 days.

To the label add the maximum yearly application rates in amount of product per acre. See the attached table for maximum allowable rates/crop.

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these conditions. This label supersedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at [Kraft.Erik@epa.gov](mailto:Kraft.Erik@epa.gov).

Sincerely,



Tony Kish  
Product Manager 22  
Herbicide Branch  
Registration Division (7504P)

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# CALIRUS 150

A FUNGICIDE FOR THE CONTROL OF *PYTHIUM*, *PLASMIDIOPHORA*, DOWNY MILDEWS, *ALTERNARIA* AND *PHYTOPHTHORA* ON AGRONOMIC CROPS.

## ACTIVE INGREDIENTS

Mono- and dipotassium salts of Phosphorous Acid*	10.30%
Copper Sulfate	0.15%
OTHER INGREDIENTS	<u>89.55%</u>

TOTAL..... 100%

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

\*Contains 1.02 lbs/gallon of active ingredients, mono- and dipotassium salts of Phosphorous Acid. Equivalent to 0.58 lbs. Phosphorous Acid/gallon.

**JUL 12 2010**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

**KEEP OUT OF REACH OF CHILDREN**

8622-68

**CAUTION**

**CUIDADO**

**Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.**

**(If you do not understand the label, find someone to explain it to you in detail.)**

<b>FIRST AID</b>	
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>YOU MAY ALSO CONTACT 1-800-420-9236 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.</b>	

**See side panels for additional precautionary statements.**

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Manufactured for:

MADE IN ISRAEL

**Ameribrom, Inc.**

2115 Linwood Ave., Suite 200

Fort Lee, NJ 07024-5004

Telephone: (201) 242-6560

Fax: (201) 242-6561

EPA Reg. No. 8622-68

EPA Est. No. 57091-IS-001

**IN CASE OF EMERGENCY CONTACT:**

**CHEMTREC - (800) 424-9300 or (703) 527-3887 (Collect calls accepted) [24 Hr. Number]**

or

**Ameribrom / Clearon Emergency Response Number – (304) 746-3000 [24 Hr. Number]**

or

**Ameribrom West – (805) 988-9719 [Business Hours ONLY].**

5419 Santa Clara Ave.

Camarillo, CA 93010

NET CONTENTS: \_\_\_\_\_ gallons (\_\_\_\_\_ liters)

AB120-XX-Rev.0

05-05-2004

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION** - Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt, long pants, and shoes plus socks.

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

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

#### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove PPE clothing immediately if pesticide gets inside.

Then wash thoroughly and put on clean clothing.

Users should 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

For terrestrial uses; do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers shall be in the area during application. For any requirements specific to your State and Tribe, consult the State/Tribal 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), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Workers 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 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:

- coveralls over short-sleeved shirt and short pants,
- socks and chemical resistant footwear, and
- waterproof gloves.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements of 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.

Do not enter treated areas until sprays have dried.

### GENERAL APPLICATION INSTRUCTIONS

CALIRUS 150 is applied by various application methods, including foliar sprays, soil drench, application into planting holes, seed and bulb dip, seed coating and pelleting, and bare root dip. For foliar sprays, apply CALIRUS 150 with sufficient water for adequate coverage of foliage, according to crop and growth stage. To insure good coverage, spray to wet.

### MIXING INSTRUCTIONS

**CALIRUS 150 dilution must be made immediately before application.**

1. Fill the tank with 1/2 of the required volume of water.
2. Add CALIRUS 150 slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.



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## APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product through microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

**PREPARATION OF INJECTION EQUIPMENT:** Remove scale, pesticide residues and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** Fill tank with 1/2 to 3/4 of desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of CALIRUS 150, then the remaining volume of water. Set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the solution of CALIRUS 150 into the irrigation water line so as to deliver the desired rate per acre. Inject the CALIRUS 150 solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** For Microjet and Drip Irrigation Systems: Avoid further irrigation of the treated area for 24 to 48 hours after treatment with CALIRUS 150 has been completed. For Solid Set and Corner Pivot Irrigation Systems: Avoid further irrigation of the CALIRUS 150 treated area until after the foliage has completely dried. This will help to prevent washing the chemical off the crop.

## GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

The irrigation system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally 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.

**Maintain continuous agitation in mix tank during mixing and application to assure uniformity of solution.** Do not apply when wind speed favors drift beyond the area intended for treatment, when system connection or fittings leak, when nozzles do not provide uniform distribution, or when lines containing the product must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of chemigation water.

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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 shall shut down and adjust the system as needed.

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

### COMPATIBILITY

CALIRUS 150 is compatible with most products used in agriculture; however, crop sensitivity to these mixtures can vary. In particular, mixtures of CALIRUS 150 with some foliar fertilizers and copper products are incompatible and phytotoxicity to certain plants can result. To avoid undesirable phytotoxicity, do not apply or mix CALIRUS 150 and copper based compounds or fertilizers.

CALIRUS 150 use with spray adjuvants (i.e. stickers, spreaders, wetting agents) is limited to those adjuvants that have been tested before use and shown to be compatible with this product. Do not use acidifying type compatibility agents.

To determine the compatibility of CALIRUS 150 with other products, use a jar compatibility test. Add the correct proportions of each product and the appropriate quantity of water to clean container, thoroughly mix, then let stand for 3-5 minutes. If the mixture remains in solution or if the products remixed readily, the products are considered compatible. To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees and evaluate those plants/trees 3- 7 days later for visual symptoms.

## GENERAL INSTRUCTIONS FOR APPLICATIONS

### Food crops

CALIRUS 150 fungicide is used to control *Pythium*, *Plasmodiophora*, Downy Mildews, *Alternaria* and *Phytophthora* diseases on agronomic crops.

Apply CALIRUS 150 to food crop plants including:

**Roots & tubers:** Potato

**Citrus:** Citrus spp. and Fortunella spp. including calamondin, citrus citron, citrus hybrids, grapefruit, kumquat, lemon, lime, mandarin (tangerine), sour orange, sweet orange, pomelo, Satsuma mandarin.

**Small Fruits and Berries:** Grape.

**Cucurbits:** Chayote, Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd, Momordica spp., muskmelon, pumpkin, summer squash, winter squash, watermelon.

**Non-Brassica Leafy Greens:** Celery, Lettuce (head and leaf).

**Brassica (Cole crops) Vegetables:** broccoli, Chinese broccoli, broccoli raab, Brussels sprouts, cabbage, Chinese cabbage (bok choy, napa, gai choy), cauliflower, cavalo broccoli, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens.

**Herbs:** coriander (leaf), parsley

**Miscellaneous:** Hops.

Apply product prior to disease development and/or upon disease appearance, in conjunction with good agricultural management practices. Use the higher rate when disease pressure is severe. Do not exceed the indicated application rates or apply more frequently than the specified interval or plant injury can occur. Do not apply to plants that are dormant or heat or moisture stressed.

Disease	Crop	Application method	Rate	Application program
<i>Pythium</i> Damping-Off and Root Rot	Cucurbits, Lettuce	Soil drench	Apply 1 gal. CALIRUS 150 per acre. Dilute in a volume of 30-100 gal. of water per acre	Apply diluted CALIRUS 150 with normal irrigation systems, shortly before, or after sowing/planting. Apply at 1-2-week intervals within 2 months from time of planting
<i>Phytophthora</i> Root Rot	Citrus	Application into planting holes	Soak the ground around the tree with water and immediately apply 7 fl. oz. CALIRUS 150 per tree into planting hole.	Apply into planting hole of existing mature tree upon appearance of disease. Repeat as needed.
<i>Plasmodiophora brassicae</i> (Clubroot)	Brassica	Soil drench	Apply 0.75%-1.5% CALIRUS 150. (e.g., dilute 0.75-1.5 gal. CALIRUS 150 in 100 gal. of water.) Use a volume of 30-100 gal. of water per acre	Apply diluted CALIRUS 150 with normal irrigation systems, shortly before, or after sowing/planting. Apply at 1-2-week intervals within 3 months from time of sowing/planting. Use the higher rate when disease severity is high.
<i>Phytophthora</i> Late Blight	Potatoes	Foliar spray	Apply 2.5 to 6.0 gal CALIRUS 150/acre. Dilute in a volume of 30-100 gal water/acre	Upon disease appearance apply diluted CALIRUS 150 to foliage with conventional sprayers at 7-10 day intervals, and repeat as needed. Use the higher rate when disease is severe.
Downy Mildew	Cucurbits, Brassica, Lettuce, Hops, Coriander,	Foliar spray	Apply 1 gal. CALIRUS 150 per acre. Dilute in a volume of 30-100 gal. of water per acre	Apply diluted CALIRUS 150 to foliage with conventional sprayers at 2-3 week intervals, and repeat as needed

	Celery, Parsley			
Downy Mildew	Grapes	Foliar spray	Apply 1.0% CALIRUS 150. Dilute 1.0 gal. CALIRUS 150 in 100 gal. of water. Use a volume of 80-100 gal. water per acre.	Spray up to a full coverage of foliage (leaves and fruits) at 2-3 week intervals. On Spring disease appearance, start spray at stage of Sprouting to Set-Up. On Autumn disease appearance, start spray upon disease appearance on leaves.
<i>Alternaria</i> spp.	Citrus	Foliar spray	Apply 1.0% CALIRUS 150. Dilute 1.0 gal. CALIRUS 150 in 100 gal. of water.	Spray up to a full coverage of foliage (leaves and fruits). Start spraying upon appearance of disease (Spring and Autumn appearances).
<i>Phytophthora</i> Brown Rot	Citrus	Foliar spray	Apply 1.0% CALIRUS 150. Dilute 1.0 gal. CALIRUS 150 in 100 gal. of water. Use a volume of 100 gal. of water per acre	Spray the lower parts of the trees (about 3-5 feet high above the ground) with diluted CALIRUS 150.

### Potting Food and Non-Food Plants

CALIRUS 150 fungicide is used for the control of *Pythium* Damping-Off, *Plasmodiophora Brassica* Clubroot and Downy Mildew diseases of plants grown in pots or containers in commercial nurseries, greenhouses, parks and indoors.

Apply CALIRUS 150 to plants including: Aglaonema, Aphelandra, Arborvitae, Azaleas, Bougainvilleas, Boxwood, Cattelya skinneri, Ceznothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ficus Hibiscus, Japanese Holly, Juniper, Leather-leaf Fern, Monterey Pine, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Spathiphyllum, Taxus media, White Cedar, White Pine, Zygocactus, Cucurbits, *Brassica* (Cole) Leafy Vegetables, Onion, Lettuce, Celery, Coriander, Parsley, Begonia and Petunia.

Apply product prior to disease development and/or upon disease appearance, in conjunction with good agricultural management practices. Use the higher rate when disease pressure is severe. Do not exceed the indicated application rates or apply more frequently than the specified interval or plant injury can occur. Do not apply to plants that are dormant or heat or moisture stressed.

Disease	Crop	Application method	Rate	Application program
<i>Pythium</i> Damping-Off and Root Rot	Cucurbits, <i>Brassica</i> , Onion, Lettuce, Coriander, Celery, Parsley, Begonia and Petunia	Soil drench	Apply 1.0% CALIRUS 150. Dilute 1.0 gal. CALIRUS 150 in 100 gal. of water. Use a volume of 30-100 gal. of water per acre. Apply up to a full drainage (field capacity) of the container media.	Apply diluted CALIRUS 150 with normal irrigation systems used in nurseries. Apply shortly before, or after sowing. Apply at 1-2-week intervals within 2 months from time of sowing.
<i>Plasmodiophora Brassica</i> (Clubroot)	<i>Brassica</i>	Soil drench	Apply 0.75%-1.5% CALIRUS 150. Dilute 0.75-1.5 gal. CALIRUS 150 in 100 gal. of water. Use a volume of 30-100 gal. of water per acre. Apply up to a full drainage (field capacity) of the container media.	Apply diluted CALIRUS 150 with normal irrigation systems in the nurseries. Apply shortly before, or after sowing, and at 2-week intervals within 2 months from time of planting. Use the higher rate when disease severity is high.

Downy Mildew	All crops except Cucurbits, Brassica, Lettuce, Coriander, Celery, Parsley	Foliar spray	Dilute CALIRUS 150 1:27 (e.g., add 3 qt. to 80 qt.; 3 L to 80 L) in water in sprayer tank. Apply about 6 qt. (6 L) CALIRUS 150 per acre.	Apply diluted CALIRUS 150 to foliage with conventional sprayers at 2-3 week intervals, and repeat as needed
Downy Mildew	Cucurbits, Brassica, Lettuce, Coriander, Celery, Parsley	Foliar spray	Apply 1.0% CALIRUS 150. Dilute 1.0 gal. CALIRUS 150 in 100 gal. of water. Use a volume of 30-100 gal. of water per acre.	Apply diluted CALIRUS 150 to foliage with conventional sprayers at 2-3 week intervals, and repeat as needed.

### Turf

CALIRUS 150 fungicide is used for the control of *Pythium* Blight diseases of turf grasses on sod farms, commercial turf production, golf courses, parks and commercial landscapes. Begin preventive applications when conditions first favor disease and repeat at indicated intervals. Use higher rates under severe disease conditions.

Disease	Application method	Rate	Application program
<i>Pythium</i> Blight (Yellow Turf)	Spray	Dilute CALIRUS 150 1:150 (e.g., add 1 qt. to 149 qt.; add 1 L to 149 L) in water in sprayer tank. Apply 2.5 to 5 gal. (10 -20 L) CALIRUS 150per acre	Apply diluted CALIRUS 150 on thoroughly wet foliage at 2-week intervals as long as needed. Do not mow or irrigate treated areas until spray has completely dried.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep this product in containers stored upright and secured with the original closure. Do not store this product near heat sources. Do not store near strong oxidants. If transfer to another container becomes necessary, ensure that the container is clearly labeled, is a type suitable for the product, and is clean and free of other materials.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal or 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 at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

**Warranty:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with label directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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