



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

64744-3

Date of Issuance:

9/13/18

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Cuprozin 35 WP

Name and Address of Registrant (include ZIP Code):

Crystal Layton  
Regulatory Agent for Spiess-Urania Chemicals GMBH  
c/o Landis Internationl, Inc.  
PO Box 5126  
Valdosta, GA 31603-5126

Spiess-Urania Chemicals GMBH  
Frankenstrasse 18 b, 20097  
Hamburg, Germany

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

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

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

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

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

Signature of Approving Official:

Marianne Lewis, Acting Product Manager 22  
Fungicide Branch, Registration Division (7505P)

Date:

9/13/18

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 64744-3.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 8/22/2018

If you have any questions, please contact Lindsay Roe by phone at 703-347-0506, or via email at [roe.lindsay@epa.gov](mailto:roe.lindsay@epa.gov).

Enclosure

**ACCEPTED**

09/13/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 64744-3

**COPPER OXYCHLORIDE    GROUP    M01    FUNGICIDE**

**CUPROZIN 35 WP**

COPPER OXYCHLORIDE WETTABLE POWDER  
Crop Fungicide/Bactericide^

**ACTIVE INGREDIENT:**

Copper oxychloride* .....	58.63%
INERT INGREDIENTS: .....	41.37%
TOTAL: .....	100.00%

\*(Metallic copper equivalent 34.88%)

CAS No. 1332-65-6 or 1332-40-7

^non-public health

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Si usted no entiende la etiqueta, busque al alguien para que se la explique a usted en detalle. (If you do understand the label, find someone to explain it to you in detail)

<b>FIRST AID</b>	
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>
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 INHALED	<ul style="list-style-type: none"> <li>• Move person to fresh air. If person is not breathing, call 911 or an ambulance, then five artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center, doctor, or going for treatment.</p> <p>In the event of a medical emergency, call your poison control center at 1-800-222-1222.</p> <p>For non-emergency information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Standard Time.</p>	

See additional precautions on side or back panel.

EPA Reg. No. 64744-X

EPA Est. No. 64744-DEU-01

Manufactured for/by:

Spiess-Urania Chemicals GmbH

Frankenstrasse 18 b, 20097 Hamburg, Germany	P.O. Box 5126 Valdosta, GA 31603-5126
1-800-526-3471	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT:

Mixers, loaders, applicators and other handlers must wear the following:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves made out of: barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, natural rubber  $\geq 14$  mils, polyethylene, polyvinyl chloride  $\geq 14$  mils, or viton  $\geq 14$  mils
3. Shoes plus socks
4. Protective eyewear, such as face shield or goggles

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)94-6)], the handler PPE requirements may be 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.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and change into clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and 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 washwater or rinsate.

## **DIRECTIONS FOR USE**

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

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

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

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves
- Chemical resistant footwear plus socks
- Chemical resistant headgear if overhead exposure
- Protective eyewear

Notify workers of application by warning them orally and by posting warning signs at entrances to treated areas.

### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Workers 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 or allow others to enter until sprays have dried.

### **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.

#### **Additional requirements 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.

Additional requirements for groundboom application:

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

## **PRODUCT INSTRUCTIONS**

CUPROZIN 35 WP may be applied by aerial, chemigation, or by dilute or concentrate ground sprayers on crops unless specifically prohibited for that crop use. Sufficient spray volume and spray pressure are essential to thoroughly penetrate the plant canopy and give thorough spray coverage at the times indicated. On crops sensitive to copper fungicides use the higher volumes of spray water per acre.

Use the higher dosage rates of CUPROZIN 35 WP on mature trees, or when disease pressure is severe or weather conditions are favorable for disease development.

When using adjuvants or other pesticides in combinations with this product, always observe the precautionary statements on the product's label and required days before harvest. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Sprays of CUPROZIN 35 WP may be applied up to day of harvest.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Before mixing with other products in spray tank, be sure that products are compatible. CUPROZIN 35 WP should not be applied in spray water having a pH of less than 6.5 as phytotoxicity may result. Also avoid using water having a pH of greater than 9.0 as effectiveness may be reduced.

## **RECOMMENDED SPRAY VOLUME**

If a crop is sensitive to copper sprays, higher volumes of spray water will decrease potential injury. A full dilute spray on tree crops means the maximum amount of spray when uniformly applied that an acre of such trees will hold to the point that excess spray begins to drip off. Thus, the dilute spray volume per acre will depend on tree size and leaf surface per acre. The following listed dilute spray volumes is the volume that will generally provide such coverage on average size full leaf trees. A concentrate spray is a spray applied in less volume than a dilute. The extent of the concentration varies by equipment used. Thus, the following spray volumes for a concentrated spray are the minimum volumes recommended per acre.

Recommended Spray Volume (Gallons Per Acre)			
	Aerial	Ground	
Crop Group		Dilute	Concentrate
Citrus	10-20	800-1,000 on mature trees and decrease towards 100 as tree size decreases	100 (50 in Florida)
Fruit and Nut Trees	10-20	250 for mature fruit trees 400-800 for nut tree crops depending on size 15 minimum for young fruit tree plantings	50
Vegetable and Field Crops	3-20	100-125	20

**MIXING INSTRUCTIONS FOR SPRAY APPLICATION**

Fill the spray tank one-fourth to one-third full with clean water. Start agitation (NOTE: Proper agitation creates a rippling or rolling action on the liquid surface). Add CUPROZIN 35 WP at the recommended rate.

Mix thoroughly and then add enough water to fill spray tank. Maintain sufficient agitation during mixing and during application of sprays to ensure a uniform spray mixture. When tank mixing with other pesticides, add wettable powders or dry flowables first and emulsifiable concentrate or spreader-stickers last. Before adding a second pesticide, be sure that prior products are well mixed and suspended before adding the next ingredient.

**CHEMIGATION INSTRUCTIONS**

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation system(s). 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.

**CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer



(RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### SPRINKLER CHEMIGATION:

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

#### TREATMENT INSTRUCTIONS:

Do not apply this product through any irrigation system using aluminum parts or components as damage to the system may occur. Such application is prohibited regardless of whether the irrigation system is flushed with water after use of this product.

For Center Pivot, Traveler, Big Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment:

Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other

recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix the labeled amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run and continue to operate irrigation system until the product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.

For Solid Set and Hand Move Irrigation Equipment:

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 to 45 minute period. Mix the labeled amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to ensure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.

## **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, Cuprozin 35 WP contains a Group M01 fungicide/bactericide<sup>^</sup>. Any fungal/bacterial<sup>^</sup> population may contain individuals naturally resistant to Cuprozin 35 WP and other Group M01 fungicides/bactericides<sup>^</sup>. A gradual or total loss of pest control may occur over time if these fungicides/bactericides<sup>^</sup> are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide<sup>^</sup> resistance, take one or more of the following steps:

- Rotate the use of Cuprozin 35 WP or other Group M01 fungicides/bactericides<sup>^</sup> within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides<sup>^</sup> from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide/bactericide<sup>^</sup> use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide<sup>^</sup> applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial<sup>^</sup> populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or integrated pest management recommendations for specific crops and pathogens.

- For further information or to report suspected resistance contact Spiess-Urania Chemicals GmbH at 1-800-526-3471. You can also contact your pesticide distributor or university extension specialist to report resistance.

^non-public health

## APPLICATION RATES

**FROST INJURY PROTECTION:** Bacterial ice nucleation inhibitor - Application of CUPROZIN 35 WP to all crops listed on this label at rates and stages of growth indicated on this label at least 24 hours and not more than 72 hours prior to anticipated frost conditions, will afford control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola*, and *Pseudomonas fluorescens*) and may thereby provide some protection against light frost. The degree of frost protection will vary with weather conditions and other factors. Not recommended for those geographical areas where weather conditions favor severe frost.

## FRUIT AND NUT CROPS

ALMONDS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant to Pink Bud Season:  Coryneum Blight Blossom Brown Rot Bacterial Blast (Pseudomonas)	8.9 – 22.3 (3.1 - 7.8 lbs Cu/A)	7	The first application may be made during the dormant stage. A second application in late dormant before foliage buds swell may be necessary when frequent rainfall occurs.  Do not use this rate after the pink bud stage as plant injury will result.
Bloom/Growing Season:  Coryneum Blight Blossom Brown Rot	2.3-4.2 (0.8 - 1.5 lbs Cu/A)	5	Use during the early bloom stage (popcorn).  Slight leaf injury may occur from post-bloom spray.  For blast control in sprinkler irrigated orchards or where disease is severe, apply 2-4 sprays or as many as required at 0.5 - 1.0 lbs per acre (0.2 – 0.3 lbs Cu/A) at 2 week post-bloom intervals or just before sprinkling.
<b>RESTRICTIONS</b> Maximum single dormant application rate is 22.3 lbs Product/Acre (7.8 lbs. metallic copper equivalent) Maximum single bloom/growing application rate is 4.2 lbs Product/Acre (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 51.6 lbs Product/Acre (18.0 lbs metallic copper equivalent)			

APPLES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Fall & Late Dormant:  Anthracnose European Canker Pseudomonas Syringae	11.2-22.3 (3.9- 7.8 lbs Cu/A)	Only one dormant application allowed per season	Apply before fall rains.  Use on yellow varieties may cause discoloration. To avoid, pick before spraying.
	11.2 – 16.7 (3.9 - 5.8 lbs Cu/A)		Apply between silver-tip and green-tip.  ATTENTION: Phytotoxicity may occur from late application (discontinue use when green-tip is 1/2 inch).
Bloom & Growing Season:  Fireblight	1.1-1.4 (0.4 - 0.5 lbs Cu/A)	5	Begin spray at 10% bloom and repeat at 5 day intervals until late bloom is over.  ATTENTION: Phytotoxicity may occur from late application (Discontinue use when green-tip is 1/2 inch.)
Crown or Collar Rot (Phytophthora cactorum)	N/A	5	Apply either in early spring or in fall after harvest each year.  Do not use if soil pH is below 5.5 or copper toxicity may result.  Mix 0.6 lb (0.2 lbs Cu) in 100 gallons of water. Apply 4 gallons of suspension as a drench on the lower trunk area of each tree. Do not exceed the maximum single and annual application rates as specified in the restrictions below.
<b>RESTRICTIONS</b> Maximum single dormant season application rate is 22.3 lbs Product/Acre (7.8 lbs. metallic copper equivalent) Maximum single growing season application rate is 1.4 lbs Product/Acre (0.5 lbs. metallic copper equivalent) Maximum annual application rate is 45.9 lbs Product/Acre (16.0 lbs. metallic copper equivalent)			

APRICOTS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant Season: Coryneum Blight Blossom Brown Rot Bacterial Blast (Pseudomonas)	8.9-22.3 (3.1 – 7.8 lbs Cu/A)	7	Make initial application at fall dormant stage then repeat at popcorn to full bloom stage.
Bloom/Growing Season: Coryneum Blight (Shot Hole) Blossom Brown Rot Twig Blight	2.3-4.2 (0.8 - 1.5 lbs Cu/A)	5	
<b>RESTRICTIONS</b> Maximum single dormant season application rate is 22.3 lbs Product/ Acre (7.8 lbs. metallic copper equivalent) Maximum single growing season application rate is 4.2 lbs Product/Acre (1.5 lbs. metallic copper equivalent) Maximum annual application rate is 51.6 lbs Product/Acre (18.0 lbs. metallic copper equivalent)			

AVOCADOS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Scab	6.7 – 8.7 (2.3 -3.0 lbs Cu/A)	14	Apply when bloom buds begin to swell. Use the higher rate when conditions favor disease.  Continue application at 14 - 28 day intervals for 5 to 6 applications.  Follow recommendations of State Agricultural Experiment Stations ensuring that the single and annual maximum rates are not exceeded.
<b>RESTRICTIONS</b> Maximum single application rate is 8.7 lbs Product/ Acre (3.0 lbs metallic copper equivalent) Maximum annual application rate is 52.2 lbs Product/ Acre (18.2 lbs metallic copper equivalent)			

BANANAS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Sigatoka	1.7-2.9 (0.6 - 1.0 lbs Cu/A)	7	Apply on a 7 - 14 day schedule throughout the wet season.  Apply at 21 day intervals during dry periods.
Black Pitting	2.9 (1.0 lbs Cu/A)	7	Apply directly to the fruit stem and include the basal portion of the leaf crown.  Apply during the first and second weeks after emergence.
<b>RESTRICTIONS</b> Maximum single application rate is 2.9 lbs Product/Acre (1.0 lbs metallic copper equivalent) Maximum annual application rate is 54.2 lbs Product/ Acre (18.9 lbs metallic copper equivalent)			

BRAMBLES (Aurora, Blackberry, Boysen, Cascade, Chehalem, Logan, Marions, Raspberry, Santiam, & Thornless Evergreens)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Leaf & Cane Spot	3.3 - 5.6 (1.2 - 2.0 lbs Cu/A)	7	Apply delayed dormant spray after training in spring. Apply again in late spring.  Make fall spray application after harvest.
<b>RESTRICTIONS</b> Maximum single application rate is 5.6 lbs Product/ Acre (2.0 lbs metallic copper equivalent) Maximum annual application rate is 28.7 lbs Product/ Acre (10.0 lbs metallic copper equivalent)			

CACAO			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Black Pod	3.3 – 6.3 (1.2 - 2.2 lbs Cu/A)	14	<p>Begin applications at the start of the rainy season and continue while infection conditions persist.</p> <p>Sprays should be made as often as 14 to 21 days in high rainfall areas at varying rates per acre depending on disease severity.</p> <p>For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 1.3 – 3.8 lbs per acre (0.5 – 1.3 lbs Cu/A), according to disease incidence and planting density.</p>
<b>RESTRICTIONS</b> Maximum single application rate is 6.3 lbs Product/ Acre (2.2 lbs metallic copper equivalent) Maximum annual application rate is 45.2 lbs Product/ Acre (15.73 lbs metallic copper equivalent)			

CHERRY			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant & Late Bloom Season:  Blossom blight, Brown rot, Twig blight and Leaf spot	8.9-22.3 (3.1 – 7.8 lbs Cu/A)	7	In orchards where the disease is severe, a spray should also be applied shortly after harvest.
Bloom & Growing Season:  Brown Rot Blossom	2.3-4.2 (0.8 - 1.5 lbs Cu/A)	5	Apply at popcorn and full bloom. Do not apply after petal fall stage.
<b>RESTRICTIONS</b> Maximum single dormant season application rate is 22.3 lbs Product/ Acre (7.8 lbs metallic copper equivalent) Maximum single growing season application rate is 4.2 lbs Product/Acre (1.5 lbs metallic copper equivalent) Maximum annual application rate is 51.6 lbs Product/ Acre (18.0 lbs metallic copper equivalent)			

CITRUS (Grapefruit, Kumquat, Lemon, Orange, Pummelo, Tangelo, Tangerine & Lime)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Melanose Scab Pink Pitting	6.7 – 8.7 (2.3-3.0 lbs Cu/A)	7	Apply at beginning of dormant season. Repeat at 2/3 petal fall, and again when fruit is 1/2 inch in diameter, and as necessary thereafter.
Greasy Spot	3.3-6.7 (1.2 - 2.3 lbs Cu/A)		
Phytophthora Brown Rot	See comment	7	Use 0.6 to 1.7 lbs product (0.2 - 0.6 lbs Cu) per 100 gallons in dilute spray, applying 6 gallons per tree to the lower 3-4 feet of tree skirt and to the bare ground under tree and one foot beyond the tree line before fall rains.  Use 2 - 4 gallons per tree in January or February depending upon the amount of rain during this period. Do not exceed the maximum single and annual application rates as specified in the restrictions below.  Addition of a spreader-sticker adjuvant may increase the effectiveness of the treatment.
<b>RESTRICTIONS</b> Maximum single application rate is 8.7 lbs product/Acre (3.0 lbs metallic copper equivalent) Maximum annual application rate is 36.1 lbs Product/ Acre (12.6 lbs metallic copper equivalent)			

COFFEE			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Iron Spot ( <i>Cercospora coffeicola</i> ) & Pink Disease ( <i>Corticium salmonicolor</i> )	3.3-5.8 (1.2 - 2.0 lbs Cu/A)	14	Begin treatment at start of wet season and continue at 14 - 28 day intervals for three applications.
Leaf Rust	4.5-5.8 (1.6 - 2.0 lbs Cu/A)	14	Apply before the onset of rain and then at 14 - 21 day intervals while rains continue.  Use the higher rates when rainfall is heavy and disease pressure is high.
<b>RESTRICTIONS</b> Maximum single application rate is 5.8 lbs Product/ Acre (2.0 lbs metallic copper equivalent) Maximum annual application rate is 36.1 lbs Product/ Acre (12.6 lbs metallic copper equivalent)			



FILBERTS (For Use in Washington State and Oregon Only)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Blight  (After Harvest application)	13.4-16.7 (4.7 – 5.8 lbs Cu/A)	14	Apply after harvest in late August or early September before first heavy fall rain. If heavy fall rains occur, repeat spray after 3/4 leaves have dropped. If weather conditions require, a spreader-sticker may be added.
<b>RESTRICTIONS</b> Maximum single application rate is 16.7 lbs Product/Acre (5.8 lbs metallic copper equivalent) Maximum annual application rate is 68.8 lbs Product/ Acre (24.0 lbs metallic copper equivalent)			

MANGO			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthrachnose	5.6-7.2 (2.0 - 2.5 lbs Cu/A)	7	Begin spray treatment when panicles are about 2 inches long. Repeat sprays monthly through September for a total of 5-7 applications, depending upon area.
<b>RESTRICTIONS</b> Maximum single application rate is 7.2 lbs Product/ Acre (2.5 lbs metallic copper equivalent) Maximum annual application rate is 137 lbs Product/ Acre (48 lbs metallic copper equivalent)			

OLIVES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Peacock Spot Olive Knot	5.6-8.4 (2.0 – 2.9 lbs Cu/A)	30	Apply as a dilute spray before winter rains fall.  A second application in early spring should be made if disease is severe. Additional applications may be made as needed. Do not exceed the maximum annual application rate as specified in the restrictions below.
<b>RESTRICTIONS</b> Maximum single application rate is 8.4 lbs Product/ Acre (2.9 lbs metallic copper equivalent) Maximum annual application rate is 51.6 lbs Product/Acre (18 lbs metallic copper equivalent)			

PAPAYA			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Anthracnose	4.4 – 7.3 (1.5 - 2.5 lbs Cu/A)	14	Begin application before disease is expected to appear.  Repeat at 14 day intervals. Use the higher rates when conditions favor disease.  The addition of a suitable spreader-sticker may be desirable during periods of heavy rains.
<b>RESTRICTIONS</b> Maximum single application rate is 7.3 lbs Product/Acre (2.5 lbs metallic copper equivalent) Maximum annual application rate is 60.8 lbs Product/ Acre (21.2 lbs metallic copper equivalent)			

PECANS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Shuck and Kernel rot (Phytophthora cactorum)  Zonate leaf spot (Cristulariella pyramidalis)	2.2-5.8 (0.8 - 2.0 lbs Cu/A)	14	Apply in sufficient water for good coverage at 14 - 28 day intervals starting at kernel growth and continuing until shucks open.  Use the higher rate and shorter intervals if frequent rainfall occurs.
Mosses Algae Lichen	See Comment	Make only one application per year	Mix 4.4 lbs product (1.5 lbs Cu) per 100 gallons spray plus spreader-sticker on a dilute spray basis and apply in dormant season before buds swell, thoroughly wetting limbs and mosses. Do not exceed the maximum single application rate specified in the restrictions below.
<b>RESTRICTIONS</b> Maximum single application rate is 5.8 lbs Product/ Acre (2.0 lbs metallic copper equivalent) Maximum annual application rate is 24.1 lbs Product/ Acre (8.4 lbs metallic copper equivalent)			

PEACHES & NECTARINES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant up to pink bud:  Leaf Curl Coryneum Blight (Shot Hole) Peach Blight Bacterial Spot	8.9-22.3 (3.1 – 7.8 lbs Cu/A)	7	Apply in fall dormant period before rains begin.  Repeat in spring before foliage buds begin to swell if needed. Apply in full cover spray before buds swell and again at pink bud, but before leaves emerge.  Use the higher rate when rainfall is very heavy and disease pressure is high. May be used with an agricultural spray oil.
Bloom & Growing Season:  Brown Rot Blossom Blight	4.2 (1.5 lbs Cu/A)	5	Application in cover sprays may cause some leaf spotting and defoliation and shedding of some fruits. If applied within three weeks of harvest, some fruit spotting may also occur.
<b>RESTRICTIONS</b> Maximum single dormant season application rate is 22.3 lbs Product/ Acre (7.8 lbs metallic copper equivalent) Maximum single growing season application rate is 4.2 lbs Product/Acre (1.5 lbs metallic copper equivalent) Maximum annual application rate is 51.6 lbs Product/ Acre (18.0 metallic copper equivalent)			

PLUMS & PRUNES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant Season:  Coryneum Blight (Shot hole)	8.9-22.3 (3.1 – 7.8 lbs Cu/A)	7	Apply as a dormant spray before fall rains.  Use the higher rate when rainfall is heavy and/or disease pressure is high.
Bloom & Growing Season:  Brown Rot Blossom Blight Twig Blight	4.2 (1.5 lbs Cu/A)	5	Apply full cover application at pink, red or early white bud stage.  Use the higher rate when disease pressure is heavy or conditions favor disease development.
<b>RESTRICTIONS</b> Maximum single dormant season application rate is 22.3 lbs Product/Acre (7.8 lbs metallic copper equivalent) Maximum single growing season application rate is 4.2 lbs Product/ Acre (1.5 lbs metallic copper equivalent) Maximum annual application rate is 50.1 lbs Product/A (17.5 lbs metallic copper equivalent)			

STRAWBERRIES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Spot Leaf Blight	2.2 – 4.1 (0.8 - 1.4 lbs Cu/A)	7	Begin application when plants are established and continue on a 7 – 14 day schedule throughout season.  Discontinue applications if signs of phytotoxicity appear
<b>RESTRICTIONS</b> Maximum single application rate is 4.1 lbs Product/ Acre (1.5 lbs metallic copper equivalent) Maximum annual application rate is 23.5 lbs Product/Acre (8.19 lbs metallic copper equivalent)			

WALNUTS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Walnut Blight	6.6-8.4 (2.3 - 2.9 lbs Cu/A)	7	Apply first spray at early pre-bloom when catkins are partially expanded.  Make additional applications during bloom and early nutlet stages at 7 – 10 day intervals.  Additional applications may be necessary when frequent rainfall occurs.
<b>RESTRICTIONS</b> Maximum single application rate is 8.4 lbs Product/Acre (2.9 lbs metallic copper equivalent) Maximum annual application rate is 91.7 lbs Product/ Acre (32.0 lbs metallic copper equivalent)			

VEGETABLE AND FIELD CROPS			
BEANS (Dry, Green)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Angular Leaf Spot Anthracnose Bacterial Blights Downy Mildew	1.1-2.1 (0.4 - 0.73 lbs Cu/A)	7	Begin spraying when plants have second trifoliolate leaf set (when plants are about 5 inches tall), or before disease first appears.  Apply on 7 - 14 day schedule depending on local conditions.
<b>RESTRICTIONS</b> Maximum single application rate is 2.1 lbs Product/Acre (0.73 lbs. metallic copper equivalent) Maximum annual application rate is 13.6 lbs Product/ Acre (4.7 lbs metallic copper equivalent)			

SUGAR BEETS & TABLE BEETS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Blight Leaf Spot	2.3-3.7 (0.8 - 1.3 lbs Cu/A)	10	Start spray when disease threatens and continue for 4 to 5 applications.  Spray every 10 to 14 days depending on weather conditions.
<b>RESTRICTIONS</b> Maximum single application rate is 3.7 lbs Product/ Acre (1.3 lbs metallic copper equivalent) Maximum annual application rate is 18.5 lbs Product/ Acre (6.45 lbs metallic copper equivalent)			

CARROTS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.2-2.8 (0.8- 1.0 lbs Cu/A)	7	When disease threatens, apply at 7 - 10 day intervals.
<b>RESTRICTIONS</b> Maximum single application rate is 2.8 lbs Product/ Acre (1.0 lbs metallic copper equivalent) Maximum annual application rate is 14.3 lbs Product/ Acre (5.0 lbs metallic copper equivalent)			

CUCURBITS (Cantaloupes, Casaba, Chayote, Cucumber, Gourd, Honeydew, Muskmelon, Pumpkin, Squash & Watermelon)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Angular Leaf Spot Anthracnose Downy Mildew Scab Watermelon Bacterial Fruit Blotch (suppression)	2.2-2.9 (0.8 - 1.0 lbs Cu/A)	5	Begin application when conditions are favorable for disease development. Repeat at 5 - 10 day intervals.  Use the higher rates and shorter spray interval when conditions favor disease.
<b>RESTRICTIONS</b> Maximum single application rate is 2.9 lbs Product/ Acre (1.0 lbs metallic copper equivalent) Maximum annual application rate is 15.0 lbs Product/ Acre (5.23 lbs metallic copper equivalent)			

CELERY & CELERIAC			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early, Late & Bacterial Blights	2.2 - 2.8 (0.8 - 1.0 lbs Cu/A)	7	Apply as soon as plants are first established in the field, then every 7 - 10 days depending on disease severity and weather.
<b>RESTRICTIONS</b> Maximum single application rate is 2.8 lbs Product/ Acre (1.0 lbs metallic copper equivalent) Maximum annual application rate is 15.2 lbs Product/ Acre (5.3 lbs metallic copper equivalent)			

EGGPLANT			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Alternaria Blight Anthracnose Phomopsis	1.1-2.2 (0.4 - 0.77 lbs Cu/A)	7	Apply before disease appears.  Repeat at 7 to 10 day intervals.
RESTRICTIONS Maximum single application rate is 2.2 lbs Product/Acre (0.77 lbs metallic copper equivalent) Maximum annual application rate is 22.6 lbs Product/Acre (7.9 lbs metallic copper equivalent)			

ONION & GARLIC			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Purple Blotch Downy Mildew	2.2-2.8 (0.8 - 1.0 lbs Cu/A)	7	Apply when plants are 4 to 6 inches high and repeat at 7 - 10 day intervals.
RESTRICTIONS Maximum single application rate is 2.8 lbs Product/Acre (1.0 lbs metallic copper equivalent) Maximum annual application rate is 17.2 lbs Product/Acre (6.0 lbs metallic copper equivalent)			

PEANUTS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	1.1-2.2 (0.4 - 0.8 lbs Cu/A)	7	Begin spraying 25 - 40 days after planting or when disease symptoms appear.  Use sufficient water to get adequate coverage.  Continue applications at 7 - 14 day intervals.  Use the higher rates or minimum treatment interval when conditions favor disease.
RESTRICTIONS Maximum single application rate is 2.2 lbs Product/Acre (0.8 lbs metallic copper equivalent) Maximum annual application rate is 13.6 lbs Product/ Acre (4.74 metallic copper equivalent)			

PEAS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Powdery Mildew	1.1-2.2 (0.4 - 0.8 lbs Cu/A)	7	Begin spray treatment when disease symptoms first appear.  Repeat applications at 7 day intervals.
RESTRICTIONS Maximum single application rate is 2.2 lbs Product/Acre (0.8 lbs metallic copper equivalent) Maximum annual application rate is 11.3 lbs Product/Acre (3.9 lbs metallic copper equivalent)			

PEPPERS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Spot	1.1-2.2 (0.4 -0.8 lbs Cu/A)	3	Start sprays in seed bed or field before disease first appears and usually right after transplanting.  Repeat every 3-10 days in field and especially during fruiting stages.
<b>RESTRICTIONS</b> Maximum single application rate is 2.2 lbs Product/Acre (0.8 lbs metallic copper equivalent) Maximum annual application rate is 34 lbs Product/ Acre (11.8 lbs metallic copper equivalent)			

POTATOES			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early & Late Blight	3.3-6.9 (1.2 - 2.4 lbs Cu/A)	5	Apply at 5 - 10 day intervals beginning when plants are 4 - 6 inches high until two weeks before harvest.
<b>RESTRICTIONS</b> Maximum single application rate is 6.9 lbs Product/ Acre (2.4 lbs metallic copper equivalent) Maximum annual application rate is 71.7 lbs Product/Acre (25 lbs metallic copper equivalent)			

TOMATOES (Processing)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Gray Leaf Spot Septoria Leaf Spot Late Blight	1.1-1.5 (0.4 - 0.5 lbs Cu/A)	3	Begin in seed bed and repeat at 3-7 day intervals after first leaves appear. In the field, especially where Bacterial spot or speck infections are usually heavy, begin spray after transplanting or when disease is first expected and repeat at 4-7 day intervals.
<b>RESTRICTIONS</b> Maximum single application rate is 1.5 lbs Product/ Acre (0.5 lbs metallic copper equivalent) Maximum annual application rate is 49.9 lbs Product/ Acre (17.4 lbs metallic copper equivalent)			

TOMATOES (Fresh Market)			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Gray Leaf Spot Septoria Leaf Spot Late Blight	4.5 (1.6 lbs of Cu/A)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
<b>RESTRICTIONS</b> Maximum single application rate is 4.5 lb/A (1.6 lbs metallic copper equivalent) Maximum annual application rate is 22.9 lbs/ A (8.0 lbs metallic copper equivalent)			

WHEAT, BARLEY & OATS			
DISEASE	APPLICATION RATE (lbs Product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Septoria Leaf Blotch Helminthosporium Spot Blotch	1.4 (0.5 lbs Cu/A)	10	Make first application at early heading and follow with second application 10 days later.
<b>RESTRICTIONS</b> Maximum single application rate is 1.4 lbs Product/Acre (0.5 lbs metallic copper equivalent) Maximum annual application rate is 3.0 lbs Product/ Acre (1.0 lbs metallic copper equivalent)			

## ORNAMENTALS

Notice to User: Plant sensitivities to CUPROZIN 35 WP have been found to be acceptable in specific genera and species listed on this label; however, phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity to CUPROZIN 35 WP. Neither the manufacturer nor seller has determined whether or not CUPROZIN 35 WP can be safely used on ornamental plants not listed on this label. The user should determine if CUPROZIN 35 WP can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e., bedding plants, foliage, etc., and observe for 7-10 days for symptoms of phytotoxicity prior to commercial use.

Use CUPROZIN 35 WP on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, for professional use on ornamentals grown for indoor and outdoor landscaping, and for control of bacterial and fungal diseases of foliage, flowers and stems.

Apply as a thorough coverage spray using 1.6 lbs product (0.6 lbs Cu) per 100 gallons of water. Begin application at first sign of disease and repeat at 7 to 14 day intervals as needed; use the shorter interval during periods of frequent rains or when severe disease conditions persist.

CUPROZIN 35 WP may be used as a maintenance spray alone or in combination with other fungicides such as the dithiocarbamates.

### Restrictions:

Maximum single application rate is 5.5 lbs Product/Acre (2.0 lbs metallic copper equivalent)

Maximum annual application rate is 57.3 lbs Product Acre (20 lbs metallic copper equivalent)

*Separate Easter lily directions and restrictions are located at the end of this section.*

### ORNAMENTAL/DISEASES:

Althea (Rose of Sharon)/Bacterial Leaf Spot

Aralia/Xanthomonas & Cercospora Leaf Spots, Alternaria

Arborvitae/Alternaria Twig Blight, Cercospora Leaf Blight



Azalea\*/Cercospora Leaf Spot, Botrytis Blight, Phytophthora Dieback & Powdery Mildew  
 Begonia/Xanthomonas Leaf Spot, Anthracnose  
 Bougainvillea/Anthracnose, Bacterial Leaf Spot  
 Bulbs (Tulip, Gladiolus)/Anthracnose, Botrytis Blight  
 Camellia/Anthracnose, Bacterial Leaf Spot  
 Camphor Tree/Pseudomonas Leaf Spot  
 Canna/Pseudomonas Leaf Spot  
 Carnation\*/Alternaria Blight, Pseudomonas Leaf Spot, & Botrytis Blight  
 Chinese Tallow Tree/Bacterial Leaf Spot (Xanthomonas sp., Pseudomonas sp.)  
 Chrysanthemum\*/Septoria Leaf Spot & Botrytis Blight  
 Cotoneaster/Botrytis Blight  
 Dahlia/Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot  
 Date Palm (non-bearing)/Pestalotia Leaf Spot  
 Dianthus/Bacterial Spot, Bacterial Soft Rot  
 Dogwood/Anthracnose  
 Dusty Miller/Bacterial Leaf Spot (Pseudomonas cichorii)  
 Echinacea/Bacterial Leaf Spot (Pseudomonas cichorii)  
 Elm "Drake"VXanthomonas Leaf Spot  
 Euonymus/Botrytis Blight & Anthracnose  
 European Fan Palm/Pestalotia Leaf Spot  
 Gardenia/Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot  
 Geranium/Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot  
 Gladiolus/Alternaria Leaf Spot, Botrytis Gray Mold, Bacterial Leaf Blight  
 Golden Rain Tree/Bacteria I Leaf Spot  
 Hibiscus/Bacterial Leaf Spot  
 Holly Fern/Pseudomonas Leaf Spot  
 Impatiens/Bacterial Leaf Spot  
 India hawthorn (greenhouse)/Entomosporium Leaf Spot  
 Ivy\*/Xanthomonas Leaf Spot  
 Ixora/Xanthomonas Leaf Spot  
 Juniper (Eastern Red Cedar)/Anthracnose  
 Lantana/Bacterial Leaf Spot  
 Lilac/Cercospora Leaf Spot  
 Loblolly Bay/Anthracnose  
 Loquat/Entomosporium maculata, Colletotrichum sp.  
 Magnolia (Southern)/Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot  
 Mandevillas/Anthracnose  
 Marigold/Alternaria Leaf Spot, Botrytis Leaf and Flower Rot,  
 Cercospora Leaf Spot  
 Mulberry, Weeping/Bacterial Leaf Spot  
 Oak, Laurel/Algal Leaf Spot (Cephaleuros virescens)  
 Oleander/Bacterial Leaf Spot, Fungal Leaf Spot  
 Pachysandra/Volutella Leaf Blight  
 Pansy/Downy Mildew

Pear (non-bearing)(Flowering)/Fireblight, Leaf Spot  
Pentas (Egyptian Star)/Bacterial Leaf Spot (Xanthomonas sp.)  
Peony/Botrytis Blight  
Periwinkle/Phomopsis Stem Blight  
Philodendron/Bacterial Leaf Spot  
Phlox/Alternaria Leaf Spot  
Photinia (Red Tip)/Anthracnose, Entomosporium Leaf Spot  
Pistachio (non-bearing)/Anthracnose  
Plantain Lily/Bacterial Leaf Spot  
Powder Puff Plant/Bacterial Leaf Spot  
Pyracantha/Fireblight & Scab  
Queen Palm/Exosporium Leaf Spot, Phytophthora Bud Rot  
Rhododendron/Alternaria Flower Spot  
Rose\*/Powdery Mildew, Black Spot  
Verbena/Xanthomonas Leaf Spot  
Viburnum/Anthracnose  
Washingtonia Palm/Pestalotia Leaf Spot  
Weeping Willow/Anthracnose  
Yucca (Adams Needle)/Cercospora & Septoria Leaf Spot  
\*Discoloration of foliage and/or blooms have been noted on some varieties. To prevent residues on commercial plants, do not spray just before selling season.

Easter Lily Bulbs/Anthracnose, Botrytis Blight:

For Easter Lily, use 2.2 – 6.9 lbs product (0.8 - 2.4 lbs Cu) per 100 gallons.

Restrictions:

Maximum single application rate is 6.9 lbs Product/Acre (2.4 lbs metallic copper equivalent)

Maximum annual application rate is 215 lbs Product/Acre (75 lbs metallic copper equivalent)

Do not apply any additional copper to this land for 36 months.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a secure, cool, dry area.

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

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment by shaking and tapping sides and bottom to loosen clinging particles. When completely empty, offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration.

### **LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of SPIESS-URANIA CHEMICALS. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

SPIESS-URANIA CHEMICALS warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SPIESS-URANIA CHEMICALS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL SPIESS-URANIA CHEMICALS OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF SPIESS-URANIA CHEMICALS OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF SPIESS-URANIA CHEMICALS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, SPIESS-URANIA CHEMICALS or your Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify SPIESS-URANIA CHEMICALS or your Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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