

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 28, 2024

Victoria Smith Agent for Cosaco GmbH c/o Wagner Regulatory Associates, Inc. P.O. Box 640 Hockessin, DE 19707

Subject: Notification per PRN 98-10 – addition of ABN, with other label updates Product Name: SPU-02720-F EPA Registration Number: 64744-4 Application Date: December 18, 2023 Case Number: 494580

Dear Victoria Smith:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "NOTIFICATION" and placed in our records.

The alternate brand name, **"Kocide 4000"** has been added to the product record.

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 (FIFRA) 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) lists 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.

Page 2 of 2 EPA Reg. No. 64744-4 Case No. 00494580

If you have any questions, please contact Thomas Harty at 202-566-0394 or at harty.thomas@epa.gov

Sincerely,

Kusty Crews

Kristy Crews, Ph.D., Product Manager 22 Fungicide Branch, Registration Division (7505T) Office of Pesticide Programs, USEPA

Enclosure- Stamped Label

SPU-02720-F

[ABN: Kocide 4000] Fungicide/Bactericide

COPPER

GROUP

FUNGICIDE

M01

[MASTER LABEL]

NOTIFICATION

64744-4

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/28/2024

Dry Flowable

Active Ingredients:	By Weight
Copper Hydroxide* (CAS No. 20427-59-2)	
Inert Ingredients:	
TOTAL:	
(*Metallic Copper Equivalent 35%)	

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

	FIRST AID			
IF SWALLOWED	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 the poison control center or doctor.			
	Do not give anything by mouth to an unconscious person.			
IF ON SKIN OR CLOTHING	Take off contaminated clothing.			
	Rinse skin immediately with plenty of water for 15-20 minutes.			
	Call a poison control center or doctor for treatment advice.			
IF INHALED	Move person to fresh air.			
	 If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. 			
	Call a poison control center or doctor for treatment advice.			
IF IN EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes.			
	• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.			
	Call a poison control center or doctor for treatment advice.			
Have the product containe	r or label with you when calling a poison control center or doctor or going for treatment.			
You may als	o contact 1-800-255-3924 for emergency medical treatment information.			
*	an additional productionary statements on side or back panel 1			

[See additional precautionary statements on side or back panel.]

EPA Reg. No.: 64744-4____

EPA Est. No.: [64744-DEU-01][91411-TX-001]

Manufactured for/by:				
Spiess-Urania ChemicalsCosaco GmbH				
Singapurstrasse 1				
<u>20457 Hambu</u>	r <u>g, Germany</u>			
Frankenstrasse 18 b, 20097	P.O. Box 5126			
Hamburg, Germany Valdosta, GA 31603-5126				
1-800-526-3471				

Net Contents:

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and waterproof gloves. Remove and wash contaminated clothing before reuse. Avoid breathing dust or spray mist. Wear protective eyewear.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils
- Protective eyewear

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 CONTROL STATEMENT

Pilots must use an enclosed cab that meets the definition listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.305].

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

ENVIRONMENTAL HAZARDS

Fish Advisory Statement: This copper product is toxic to fish and aquatic organisms and may contaminate water through runoff. Unlike most organic pesticides, copper is an element and will not break down in the environment and will therefore accumulate in sediment with repeated applications. Copper is a micronutrient, but its pesticidal application rate exceeds the amount of copper needed as a nutrient. 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 waters adjacent to treated areas. 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

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 USER 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 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 without required PPE.

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

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

For Greenhouse Use ONLY:

The 48-hour restricted entry interval (REI) may be reduced to 24-hour REI, provided that the following conditions are met: For at least seven days following the application of copper-containing products in greenhouses:

- at least one container or station designed specifically for flushing eyes is available in operating condition with the WPS- required decontamination supplies for workers entering the area treated with copper-containing products,
 - workers are informed orally, in a manner they can understand:
 - \circ $\;$ that residues in the treated area may be highly irritating to the eyes,
 - that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
 - that if they do get residues in their eyes, they should immediately flush their eyes with the eye flush container or eye flush station that is located with the decontamination supplies, and
 - o how to operate the eye flush container or eye flush station.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter until sprays have dried.

PRODUCT INSTRUCTIONS

SPU-02720-F may be applied as an aerial, ground dilute or ground concentrate spray unless specifically directed otherwise in the specific crop use directions.

The per acre use rate of SPU-02720-F is applicable for both dilute and concentrate spraying. Depending upon the equipment used and the specific crop, the spray volume applied per acre will differ. Refer to Minimum Recommended Spray Volume Table. Complete spray coverage is essential to assure optimum performance from SPU-02720-F. When treating by aerial application or with low volume application equipment, unless you have had specific previous experience, it is advisable to test for compatibility and tolerance to crop injury prior to full scale commercial utilization.

Consult the label for specific rates and timing of application by crop. Where application rates and intervals are provided in a range (e.g., 4 to 12 pounds and 7 to 10 days), use the higher rates and shorter spray intervals when rainfall is heavy and/or disease pressure is high. Use the higher rates for large mature tree crops.

The Pre-Harvest Interval (PHI) for SPU-02720-F is 0-days unless noted.

RESTRICTIONS

- Do not tank mix SPU-02720-F with product containing the active ingredient aluminum tris (O-ethyl phosphate) (e.g. "Aliette" fungicide) for use on any registered crops unless appropriate precautions have been taken to buffer the spray solution because severe phytotoxicity may result.
- Use in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.
- This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

SPECIAL PRECAUTIONS

- If SPU-02720-F is applied in a spray solution having a pH of less than 6.5, phytotoxicity may occur.
- Environmental conditions such as extended periods of wet weather, acid rain, etc. which alter the pH of the leaf surface may affect the performance of SPU-02720-F resulting in possible phytotoxicity or loss of effectiveness.
- Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effect on pests or crop injury may occur. Unless recommended on this label or by a state/local expert, it is advisable to test for compatibility and potential crop injury prior to commercial use of a new tank mix.
- It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment,

such as aluminum, rubber and some synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use.

- Apply this product only through one or more of the following types of systems; sprinkler, including center pivot, lateral move, traveler, big gun, or plastic pipe solid set system(s). Do not apply this product through any other type of irrigation system. In California, do not apply in systems which contain aluminum parts or components.
- While volume is important in obtaining full spray coverage, often factors such as foliage density, environmental conditions and sprayer calibration have a greater impact. Always be sure that sprayers are calibrated to spray equipment manufacturer's specifications and environmental conditions are within those recommended by State and local regulatory authorities.
- When mixing, fill the spray tank one-half full with water. Add SPU-02720-F slowly to tank while hydraulic or mechanical
 agitation is operating and continue filling with water. Spreaders, stickers, insecticides, nutrients, etc. should be added
 last. If compatibility is in question, use the Compatibility Jar Test before mixing a whole tank or contact your chemical
 supplier. Observe all precautions and limitations on the labels of all products used in mixtures.
- 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.

RESISTANCE MANAGEMENT

COPPER GROUP M01 FUNGICIDE	COPPER	GROUP	M01	FUNGICIDE
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SPU-02720-F contains a Group M01 fungicide. Any fungal/bacterial population may contain individuals naturally resistant 50 SPU-02720-F and other Group M01 fungicides/bactericides. Fungal isolates/bacterial strains with acquired resistance to Group M01 may eventually dominate the fungal/bacterial population if Group M01 fungicides/bactericides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by SPU-02720-F or other Group M1 fungicides.

To delay fungicide/bactericide resistance take one or more of the following steps:

- Rotate the use of SPU-02720-F or other Group M01 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Avoiding the consecutive use of SPU-02720-F or other target site of action Group M01 fungicides/bactericides that
 might have a similar target site of action, on the same fungal pathogen species.
- Using tank mixtures or premixes with fungicides/bactericides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or premix rate on the fungal pathogen of concern.
- Adopt and integrated disease management program for fungicide/bactericide 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 applications. Note that using predictive models alone is not sufficient to manage resistance.
- Basing fungicides/bactericides use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated fungal pathogen populations for loss of field efficacy and resistance development.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for fungicides/bactericides resistance management and/or integrated management recommendations for specific crops and resistant biotypes.
- For further information or to report suspected resistance contact <u>CosacoSpiess-Urania Chemicals</u> GmbH at <u>www.cosaco.com</u> <u>www.spiess-urania.com</u>. You can also contact your pesticide distributor or university extension specialist to report resistance.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and 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.

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 not 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 stringent regulations, they must be observed.

Equipment:

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

Aerial Application

- Do not release spray at a height greater than 10 ft. above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speed exceeds 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the application area.
- Do not apply during temperature inversions.

Ground Boom Applications

- Apply with the spray release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.

Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest
 practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher
 flow rate.
- Pressure Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

• Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft. above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation. **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. 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 air mixing. Avoid applications during temperature inversions. **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Other State and Local Requirements:

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

CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler, including center pivot, lateral move, traveler, big gun, or plastic pipe solid set system(s). Do not apply this product through any other type of irrigation system. In California, do not apply in systems which contain aluminum parts or components.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, 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.

Shut off injection equipment after treatment and continue to operate irrigation system until SPU-02720-F has been cleared from the last sprinkler head.

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 the reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 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.

NOTE: It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment, such

as aluminum, rubber and some synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use.

When mixing, fill the nurse tank half full with water. Add SPU-02720-F slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the Compatibility Jar Test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the labels of all products used in mixtures. Agitate the mixture in the nurse tank.

SPU-02720-F should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set irrigation systems. Shut off injection equipment after treatment and continue to operate irrigation system until SPU-02720-F has been cleared from the last sprinkler head.

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 backflow.

The pesticide injection pipeline must also 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.

NOTE: It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment, such as aluminum, rubber and some synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use. When mixing, fill the nurse tank half full with water. Add SPU-02720-F slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the Compatibility Jar Test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the labels of all products used in mixtures.

Agitate the mixture in the nurse tank.

SPU-02720-F should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set irrigation systems. Shut off injection equipment after treatment and continue to operate irrigation system until SPU-02720-F has been cleared from the last sprinkler head.

APPLICATION INSTRUCTIONS

Minimum Spray Volume (Gallons Per Acre) When Applying SPU-02720-F Ground

	Aerial	Dilute	Concentrate
Citrus	10	800	100**
Conifers	10	100	30
Field Crops	3	20	3
Ornamentals	10	100	50
Small Fruits	5	150	50
Tree Crops	10	400	50

	1	1	
Vegetables	3	20	3
Vines	5	150	50
Miscellaneous	10	150	50

**Pesticide application equipment such as "Curtec" or other similar sprayers which are capable of obtaining thorough coverage at low volumes may be used at as low as 20 gallons per acre of spray volume.

The recommendations of the State Agricultural Extension Service should be closely followed as to timing, frequency and number of sprays per season.

FROST INJURY PROTECTION BACTERIAL ICE NUCLEATION INHIBITOR

Application of SPU-02720-F made to all crops listed on this label at rates and stages of growth indicated on this label, at least 24 hours prior to anticipated frost conditions, will afford control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola*, and *Pseudomonas fluorescens*) and may therefore provide some protection against light frost. Do not use SPU-02720-F for those geographical areas where weather conditions favor severe frost.

CITRUS including Grapefruit, Kumquat, Lemon, Lime, Orange, Pummelo, Tangelo and Tangerine

SPU-02720-F may be mixed with dry foliar nutritionals (micronutrients) to create "Shot Bag" mixes to meet the various nutritional requirements of citrus and provide disease protection as described on this label. SPU-02720-F per acre rates in these mixes must not exceed the maximum labeled rates for disease control.

Adding foliar nutritionals or other products to spray mixtures containing SPU-02720-F and applying to citrus during the post bloom period when young fruit are present may result in spray burn.

NOTE: Phytotoxicity may occur on young tender flush when SPU-02720-F is applied to citrus seedlings grown in greenhouses or shadehouses.

Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Algal Spot, Melanose, Scab	1.5 – 4.3 lbs.	36 lbs.
0 1 /	(0.53-1.5 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Apply as pre-bloom and post-bloom sp Restrictions: Minimum retreatment interval is 7 days.	orays. Use the higher rates when conditions favor di	isease.
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Greasy Spot, Pink Pitting	0.66 - 2.14 lbs.	36 lbs.
	(0.23-0.75 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Apply in summer on expanded new fl	ush. Repeat on subsequent flushes where disease	e pressure is severe. Use the higher rates
when conditions favor disease. Restrictions: Minimum retreatment interval is 7 days.		
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
	1.5 - 3.14 lbs.	36 lbs
Alternaria Brown Spot	(0.53-1.1 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: On susceptible varieties apply when the		
thirds of the petals have fallen and be repeated on a 7 t	o 21-day schedule if needed. Use the higher rates v	when conditions favor disease.
Restrictions: Minimum retreatment interval is 7 days.		
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Phytophthora Brown Rot, Septoria Spot	1.5 - 3.14 lbs.	36 lbs.
	(0.53-1.1 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Begin application in fall before or just a		
of at least 4 feet. For control of Septoria Spot or where f one foot beyond skirt. Use the higher rates when condit	ions favor disease	ily to entire tree. Apply also to bare ground
NOTE: In California, in areas subject to copper injury, a		SPU-02720-F
Restrictions: Minimum retreatment interval is 7 days.		
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Phytophthora Foot Rot	0.43 lbs.	36 lbs.
, ,	(0.15 lb s . metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Mix with 1 quart of water, "Tre-Hold" of		
May prior to summer rains and/or in the fall prior to wra	pping trees for freeze protection. Treatment serves	as protection for up to 1 year but does not
cure existing infections.		
NOTE: Areas where microjet or low volume irrigation hit Restrictions: Minimum retreatment interval is 7 days.	t the tree trunk may require retreatment due to wash	п оп.
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Disease	0.86 – 2.14 lbs.	36 lbs.
Citrus Canker (suppression)	(0.3-0.75 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Spray flushes 7 to 14 days after sho		
applications will be dependent upon disease pressure. I		
Restrictions: Minimum retreatment interval is 7 days.	-	
Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Black Spot*	0.86 – 2.57 lbs.	36 lbs.
	(0.3-0.9 lbs. metallic copper)	(12.6 lbs. metallic copper)
Use Directions: Begin treatment prior to or when dise	ase first appears and repeat every / to 21 days if	needed. Use the higher rates and shorter

spray intervals when conditions favor disease.

Restrictions: Minimum retreatment interval is 7 days. *Not registered for use in California.

CITRUS Field Nursery Grown

To control Melanose, Scab, Pink Pitting, Greasy Spot, Brown Rot and for suppression of Citrus Canker, apply 1.5 to 3.14 lbs. (*f0.53-1.1 lbs. metallic copper*) of SPU-02720-F per acre. Apply SPU-02720-F at 28-day intervals if needed depending on disease severity. Do not apply more than 36 lbs. (12.6 lbs. metallic copper) of SPU-02720-F per acre per year.

NOTE: Phytotoxicity may occur on young tender flush when SPU-02720-F is applied to citrus seedlings grown in greenhouses or shadehouses.

Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acr
Alfalfa	Cercospora Leaf Spot, Leptosphaerulina Leaf	0.66 lb <mark>s</mark> .	3.14 lbs.
	Spot	(0.23 lb s . metallic copper)	(1.1 lbs. metallic copper)
	14 days before each harvest or earlier if disease t	hreatens. Repeat every 30 days if ne	eeded. NOTE: Spray injury ma
occur with sensitive varieties	such as Lahontan. atment interval is 30 days. Do not apply within 9 da	ave of horizont	
	Disease	Application Rate/Acre	Maximum Annual Bata/Aan
Crop Corn (Field Corn, Popcorn,	Disease	0.43 - 1.51 lbs.	Maximum Annual Rate/Acr 12 lbs.
Seed Corn, Sweet Corn)	Bacterial Stalk Rot	(0.15 - 0.53 lb s . metallic copper)	(4.2 lbs. metallic copper)
	⊔ ent when disease first appears and repeat every 7		
when conditions favor disease			
Restrictions: Minimum retrea	atment interval is 7 days.		
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acr
Peanut	Cercospora Leaf Spot	0.66 - 1.09 lbs.	13.5 lbs.
		(0.23 - 0.38 lbs. metallic copper)	(4.74 lbs. metallic copper)
	ng at 35 to 40 days after planting or when disease		
Reduce sprays to 7-day intervention Restrictions: Minimum retreated	vals during humid weather. Use the higher rates wi	hen conditions favor disease. Flowab	le sulfur may be added.
	Disease	Application Data/Acro	Maximum Annual Rate/Act
Crop	Disease	Application Rate/Acre	
		0.12 1.51 lba	
Potato	Early Blight, Late Blight	0.43 - 1.51 lbs.	71.4 lbs. (25 lbs. metallic.copper)
	3 8 7 8	(0.15 - 0.53 lb <mark>s</mark> . metallic copper)	(25 lbs. metallic copper)
Jse Directions: Apply 0.43 to	o 1.51 pounds at 5- to 10-day intervals if needed s	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches	(25 lbs. metallic copper) high in locations where diseas
Jse Directions: Apply 0.43 to s light. Apply up to 1.51 pound	o 1.51 pounds at 5- to 10-day intervals if needed s ts per acre when disease is more severe. Under co	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve
Jse Directions: Apply 0.43 to s light. Apply up to 1.51 pound	o 1.51 pounds at 5- to 10-day intervals if needed s is per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. I	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve
Jse Directions: Apply 0.43 to s light. Apply up to 1.51 pound by tank mixing with other com	o 1.51 pounds at 5- to 10-day intervals if needed s is per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. I	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve
Jse Directions: Apply 0.43 to s light. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retrea Crop	o 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. I atment interval is 5 days. Disease	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs.	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs.
Jse Directions: Apply 0.43 to slight. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retree Crop Soybean*	b 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. I atment interval is 5 days. Disease Bacterial Blight, Downy Mildew	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper)	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper)
Jse Directions: Apply 0.43 to slight. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retree Crop Soybean* Jse Directions: For protective	b 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. I atment interval is 5 days. Disease Bacterial Blight, Downy Mildew re sprays, make first application when plants are 6	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper)	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper)
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Jse Directions: Apply 0.43 to slight. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retree Crop Soybean* Jse Directions: For protective on environmental conditions. Restrictions: Minimum retree	b 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co- patible fungicides registered for use on potatoes. If atment interval is 5 days. Disease Bacterial Blight, Downy Mildew re sprays, make first application when plants are 6 Use the higher rates for more severe disease. atment interval is 7 days. *Not registered for use in	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper) 5 inches high; repeat on a 7 <u></u> to 14-da California.	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper) ay schedule if needed dependir
Jse Directions: Apply 0.43 to s light. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retrea Crop Soybean* Jse Directions: For protectivo on environmental conditions.	b 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. If atment interval is 5 days. Disease Bacterial Blight, Downy Mildew re sprays, make first application when plants are 6 Use the higher rates for more severe disease.	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper) 6 inches high; repeat on a 7 <u></u> to 14-da California. Application Rate/Acre	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr (4.74 lbs. metallic copper) ay schedule if needed dependir Maximum Annual Rate/Acr
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Jse Directions: Apply 0.43 tt s light. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retreat Crop Soybean* Jse Directions: For protective on environmental conditions. Restrictions: Minimum retreat Crop Sugar Beet	o 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under co patible fungicides registered for use on potatoes. If atment interval is 5 days. Disease Bacterial Blight, Downy Mildew re sprays, make first application when plants are 6 Use the higher rates for more severe disease. atment interval is 7 days. *Not registered for use in Disease Cercospora Leaf Spot	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper) 6 inches high; repeat on a 7 <u></u> to 14-da California. Application Rate/Acre 0.66 - 1.71 lbs. (0.23 - 0.6 lbe. metallic copper)	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper) ay schedule if needed dependir Maximum Annual Rate/Acr 22.4 lbs. (7.86 lbs. metallic copper)
Jse Directions: Apply 0.43 tr s light. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retreat Crop Soybean* Jse Directions: For protection on environmental conditions. Restrictions: Minimum retreat Crop Sugar Beet Jse Directions: Begin applic	b 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under coll patible fungicides registered for use on potatoes. I atment interval is 5 days.	(0.15 - 0.53 lbe. metallic copper) tarting when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper) 6 inches high; repeat on a 7 <u></u> to 14-da California. Application Rate/Acre 0.66 - 1.71 lbs. (0.23 - 0.6 lbe. metallic copper)	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper) ay schedule if needed dependir Maximum Annual Rate/Acr 22.4 lbs. (7.86 lbs. metallic copper)
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Jse Directions: Apply 0.43 to slight. Apply up to 1.51 pound by tank mixing with other com Restrictions: Minimum retreat Crop Soybean* Jse Directions: For protective on environmental conditions. Restrictions: Minimum retreat Crop Sugar Beet Jse Directions: Begin applice ates when conditions favor d Restrictions: Minimum retreat Crop Wheat, Barley, Oats	o 1.51 pounds at 5- to 10-day intervals if needed s ds per acre when disease is more severe. Under colpatible fungicides registered for use on potatoes. If atment interval is 5 days. Disease Bacterial Blight, Downy Mildew re sprays, make first application when plants are 6 Use the higher rates for more severe disease. atment interval is 7 days. *Not registered for use in Disease Cercospora Leaf Spot atment interval is 10 days. Pisease Fusarium Head Blight Suppression*, Helminthosporium Spot Blotch, Powdery Mildew Suppression, Stagonospora Leaf and Glume Blotch, Stem Rust*	(0.15 - 0.53 lbe. metallic copper) trating when plants are 2 to 6 inches nditions of severe disease, control wit Read and follow all label instructions Application Rate/Acre 0.66 - 1.29 lbs. (0.23 - 0.45 lbe. metallic copper) 5 inches high; repeat on a 7 <u></u> to 14-da California. Application Rate/Acre 0.66 - 1.71 lbs. (0.23 - 0.6 lbe. metallic copper) ment and repeat at 10- to 14-day int Application Rate/Acre 0.43 - 0.66 lbs. (0.15 - 0.23 lbe. metallic copper)	(25 lbs. metallic copper) high in locations where diseas h SPU-02720-F will be improve of tank mix partners. Maximum Annual Rate/Acr 13.5 lbs. (4.74 lbs. metallic copper) ay schedule if needed dependir Maximum Annual Rate/Acr 22.4 lbs. (7.86 lbs. metallic copper) ervals if needed. Use the higher Maximum Annual Rate/Acr 3.02 lbs. (1.06 lbs. metallic copper)
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SMALL FRUITS including	Blackberry, Blueberry, Cranberr	ry, Currant, Gooseberry, Rasp	berry and Strawberry
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Blackberry (Aurora, Boysen, Cascade, Chehalem, Logan, Marion, Santiam, Thornless Evergreen)	Anthracnose, Cane Spot, Leaf Spot, Pseudomonas Blight, Purple Blotch, Yellow Rust	1.51 lbs. (0.53 lb <mark>s</mark> . metallic copper)	28.5 lbs. (10 lbs. metallic copper)
Use Directions: Make fall application af oil may be added.		y after pruning/training in the spring. I	f needed, agricultural-type spray
Restrictions: Minimum retreatment inte Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Blackberry (Aurora, Boysen,			
Cascade, Chehalem, Logan, Marion, Santiam, Thornless Evergreen)	Anthracnose, Cane Spot, Leaf Spot, Purple Blotch, Yellow Rust	0.66 lb s . (0.23 lb s . metallic copper)	28.5 lbs. (10 lbs. metallic copper)
Use Directions: Apply when leaf buds agricultural-type spray oil may be adde prolonged moist periods. Discontinue ap Restrictions: Minimum retreatment inte	d. NOTE: Crop injury may occur if applications if signs of crop injury appear.		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Blueberry Use Directions: Make first application b	Bacterial Canker before fall rains and a second application	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 1 4 weeks later. Use the higher rates	24 lbs. (8.4 lbs. metallic copper) when conditions favor disease.
Restrictions: Minimum retreatment inte	rval is 7 days.		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Blueberry	Fruit Rot, Phomopsis, Twig Blight	0.86 - 2.14 lbs. (0.3 - 0.75 lbs. metallic copper)	24 lbs. (8.4 lbs. metallic copper)
Use Directions: Dormant Application: I needed before blooms open. Restrictions: Minimum retreatment inter	0	gin to swell. Make additional applica	tions at 7- to 14-day intervals if
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Cranberry	Fruit Rot	3.14 lbs. (1.1 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)
Use Directions: Make first application severity. Restrictions: Minimum retreat		pplications at 7- to 14-day intervals	if needed depending on disease
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Cranberry	Rose Bloom	3.14 lbs.	36 lbs.
Use Directions: Apply three sprays on Restrictions: Minimum retreatment inte		(1.1 lbs. metallic copper) n as symptoms are observed.	(12.6 lbs. metallic copper)
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Cranberry	Bacterial Stem Canker	3.14 lbs. (1.1 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)
Use Directions: Apply post-harvest an depending on disease severity. Restrictions: Minimum retreatment interest of the second		ne or two additional applications at	7- to 14-day intervals if needed
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Cranberry	Leaf Blight, Red Leaf Spot, Stem Blight, Tip Blight (<i>Monilinia</i>)	3.14 lbs. (1.1 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)
Use Directions: Apply delayed dorman Restrictions: Minimum retreatment inter		day intervals if needed through pre-b	ioom.
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Currant, Gooseberry	Anthracnose, Leaf Spot	3.66 lbs.	45.7 lbs.
Use Directions: Make initial application		(1.28 lbs. metallic copper)	(16 lbs. metallic copper)
spring. Make an additional application a Restrictions: Minimum retreatment inte	fter harvest.	The off a 10- to 14-day schedule if the	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Raspberry	Anthracnose, Cane Spot, Leaf Spot, Pseudomonas Blight, Purple Blotch, Yellow Rust	1.51 lbs. (0.53 lb <mark>s</mark> . metallic copper)	28.5 lbs. (10 lbs. metallic copper)
Use Directions: Make fall application at be added.		ay after training in the spring. If neede	d, agricultural-type spray oil may
Restrictions: Minimum retreatment inte	erval is 7 days. Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Raspberry	Anthracnose, Cane Spot, Leaf	0.66 lb s .	28.5 lbs.
Use Directions: Apply when leaf buds agricultural-type spray oil may be adde			
prolonged moist periods. Discontinue ap Restrictions: Minimum retreatment inte	pplications if signs of crop injury appear.		
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Strawberry	Angular Leaf Spot (<i>Xanthomonas</i>), Leaf Blight, Leaf Scorch, Leaf Spot	0.66 - 1.09 lbs. (0.23 - 0.38 lb s . metallic copper	17.14 lbs. (6 lbs. metallic copper)
Use Directions: Begin application wher of water. Use the higher rates when con	plants are established and continue on ditions favor disease. NOTE: Discontinu	a weekly schedule throughout the sea	ason. Apply in at least 20 gallons
Restrictions: Minimum retreatment inte			

	nd, Apple, Apricot, Avocado, Ba ive, Peach, Pear, Pecan, Pistac					
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Almond Use Directions: For bacterial blast con week intervals if needed or just before s Restrictions: Minimum retreatment inte	prinkling.	0.43 lbs. (0.15 lb <mark>s</mark> . metallic copper) lere disease is severe, apply 0.43 pc	51.4 lbs. (18 lbs. metallic copper) ounds per acre post-bloom at 2-			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Almond	Blossom Brown Rot, Coryneum Blight (Shot Hole)	2.14 - 3.14 lb (0.75-1.1lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)			
Use Directions: Apply during early bloc pressure is high. Restrictions: Minimum retreatment inte		y may occur. Use the higher rates wh	en rainfall is heavy and disease			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Almond, Apricot, Cherry, Plum, Prune	Bacterial Blast (<i>Pseudomonas</i>), Bacterial Canker, Coryneum Blight	3.14 - 6 lbs. (1.1 - 2.1 lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)			
Use Directions: Make first application b agricultural-type spray oil may be adde NOTE: Foliar injury may occur from post Restrictions: Minimum dormant, late of season.	 d. For Cherries: Where disease is sev t-bloom sprays on almonds, especially of 	ere, an additional application shortly on NePlus varieties.	after harvest may be required.			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Apricot, Cherry, Plum, Prune	Blossom Brown Rot, Coryneum Blight (Shot Hole)	3.14 - 4.28 lbs. (1.1 - 1.5 lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)			
Use Directions: Apply during early bloc pressure is high. Restrictions: Minimum dormant, late do			-			
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Apple	Anthracnose, Blossom Blast, European Canker (<i>Nectria</i>), Shoot	4.5 - 6.0 lbs. (1.58 - 2.1 lbs. metallic copper)	17.14 lbs. (6 lbs. metallic copper)			
To avoid discoloration, pick before spray	Use the higher rates when conditions fa /ing. ne dormant application per year. Do not	Blast (Pseudomonas) (1.56 - 2.1 rbs. metallic copper) (6 rbs. metallic copper) Use Directions: Apply before fall rains. Use the higher rates when conditions favor disease. NOTE: Use on yellow varieties may cause discoloration. To avoid discoloration, pick before spraying. Restrictions: Do not make more than one dormant application per year. Do not make more than one application between silver tip and green tip per				
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Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre			
Crop Apple Use Directions: Make application betwee to severe crop injury may occur from late Restrictions: Do not make more than o	Disease Apple Scab, Fire Blight sen silver-tip and green-tip. Apply as a fu e application; discontinue use when green ne dormant application per year. Do not	3.14 - 6.0 lb (1.1-2.1 lbs. metallic copper) Il cover spray for early season diseaso en-tip reaches 1/2 inch.	17.14 lbs. (6 lbs. metallic copper) e suppression. NOTE: Moderate			
Crop Apple Use Directions: Make application betwee to severe crop injury may occur from late	Disease Apple Scab, Fire Blight sen silver-tip and green-tip. Apply as a fu e application; discontinue use when green ne dormant application per year. Do not	3.14 - 6.0 lb (1.1-2.1 lbs. metallic copper) Il cover spray for early season diseaso en-tip reaches 1/2 inch.	17.14 lbs. (6 lbs. metallic copper) e suppression. NOTE: Moderate			
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	nd, Apple, Apricot, Avocado, Ba ive, Peach, Pear, Pecan, Pistac	hio, Plum, Prune, Quince and	Walnut	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Banana, Plantain	Sigatoka (Black and Yellow)	0.65 lb <u>.</u> (0.23 lb <mark>e</mark> . metallic copper)	45.71 lbs. (16 lbs. metallic copper)	
Use Directions: Apply at 7- to 14-day in Restrictions: Minimum retreatment inter	rval is 7 davs.			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Banana, Plantain	Black Pitting	1.51 lb <u>.</u> (0.53 lb s . metallic copper)	45.71 lbs. (16 lbs. metallic copper)	
Use Directions: Apply at 7- to 14-day in Apply during the first and second weeks Restrictions: Minimum retreatment inter	after fruit emergence.	water. Apply to the fruit stem and the	basal portion of the leaf crown.	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Cacao	Black Pod	0.66 - 3.23 lbs. (0.23 - 1.13 lbs. metallic copper)	45 lbs. (15.75 lbs. metallic copper)	
Use Directions: Begin applications at the start of the rainy season and continue while infection conditions persist. Apply 0.66 to 2.14 pounds at 14- to 21-day intervals if needed depending on disease severity. For drier areas, make two to four applications using 2.14 to 3.23 pounds per acre according to disease incidence and planting density. Restrictions: Minimum retreatment interval is 14 days.				
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Cherry (sour)	Cherry Leaf Spot	1.94 - 3.14 lbs. (0.68 - 1.1lbs. metallic copper)	51.4 lbs.	
Use Directions: Apply at petal fall as we for a dormant application or where diseas will result. The addition of 1 to 3 pounds as leaf spotting and defoliation may occu. Restrictions: Minimum dormant, late do	se infection is moderate to heavy. Do no of hydrated lime per pound of SPU-027 ir from post-bloom applications.	e lower rates where disease infection of apply to sweet cherry or the English 720-F may reduce crop injury. NOTE :	Morello variety as severe injury Moderate to severe injury such	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Coffee	Coffee Berry Disease (Colletotrichum coffeanum)	2.14 - 3.14 lbs. (0.75 -1.1 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)	
Use Directions: Apply first spray after f higher rates when conditions favor disea Restrictions: Minimum retreatment inter	lowering and before onset of long rains se.			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Coffee	Bacterial Blight (Pseudomonas syringae)	2.14 - 3.14 lbs. (0.75 -1.1 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)	
Use Directions: Begin spray program be needed. The critical time for spraying to Use the higher rates when rainfall is hea Restrictions: Minimum retreatment inter	efore the onset of long rainy periods an control this disease is just before, during vy and disease pressure is high.	nd continue throughout the rainy sea	son at 14 <u>-</u> to 21-day intervals if	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Coffee	Leaf Rust (<i>Hemileia vastatrix</i>)	0.66 - 1.51 lbs. (0.23 - 0.53 lb <mark>s</mark> . metallic copper	36 lbs. (12.6 lbs. metallic copper)	
Use Directions: Apply before the onset is heavy and disease pressure is high. Restrictions: Minimum retreatment inter		s if needed while the rains continue. L	Jse the higher rates when rainfall	
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Coffee	Iron Spot (<i>Cercospora coffeicola</i>), Pink Disease (<i>Corticium</i>	0.66 lb s . (0.23 lb s . metallic copper)	36 lbs. (12.6 lbs. metallic copper)	
Use Directions: Use concentrate or dilu		· · · · · ·	(, , , , , , , , , , , , , , , , , , ,	
Restrictions: Minimum retreatment inter Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Filbert		6.0 - 9.14 lbs.	51.42 lbs.	
(Washington State and Oregon Only) Use Directions: Apply as a post-harves Use the higher rates when rainfall is hea Restrictions: Minimum retreatment inter	vy and disease pressure is high. If need	(2.1 - 3.2 lbs. metallic copper) pply a second spray when three-four	(18 lbs. metallic copper) ths of the leaves have dropped.	
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Filbert (Washington State and Oregon Only) Use Directions: Apply as a dilute spray at 14-day intervals if needed until early M If needed, agricultural-type spray oil or s Restrictions: Minimum retreatment inter	lay. Thorough coverage is essential. Us ticking agent may be added.	6.0 - 9.14 lbs. (2.1 - 3.2 lbs. metallic copper) ge. Make applications starting at bud		
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Mango	Anthracnose	1.71 - 5.14 lbs.	137.14 lbs.	
Use Directions: Apply at 7-day intervals Restrictions: Minimum retreatment inter	after fruit set until harvest. Use the hig	(0.6 - 1.8 lbs. metallic copper) her rates when rainfall is heavy and d	(48 lbs. metallic copper) isease pressure is high.	

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	nd, Apple, Apricot, Avocado, Ba ive, Peach, Pear, Pecan, Pistac		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Olive	Olive Knot, Peacock Spot	3.14 - 6.0 lbs. (1.1 - 2.1 lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)
Use Directions: Make first application be higher rates for heavy disease pressure Restrictions: Minimum retreatment inter	or when conditions favor disease develo	ication in early spring should be made	e if disease is severe. Apply the
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Peach, Nectarine	Bacterial Blast (<i>Pseudomonas</i>), Bacterial Canker, Bacterial Spot (<i>Xanthomonas</i>), Coryneum Blight (Shot Hole), Leaf Curl	3.14 - 6.0 lbs. (1.1 - 2.1 lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)
Use Directions: Make first application before leaf buds swell. Use the higher ra Restrictions: Minimum retreatment inte	ates when rainfall is heavy and disease p	pressure is high. If needed, agricultura	al-type spray oil may be added.
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Peach, Nectarine	Blossom Brown Rot, Coryneum	3.14 - 4.28 lbs.	51.4 lbs.
Use Directions: Full cover spray at pink	Blight (Shot Hole), Leaf Curl	(1.1 - 1.5 lbs. metallic copper)	(18 lbs. metallic copper)
Restrictions: Minimum retreatment inte	rval is 5 days. Do not make more than 6	applications as a post bloom applica	tion spray.
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Peach, Nectarine	Bacterial Spot	2.29 – 4.28 lbs. (0.8 – 1.5 lbs. metallic copper)	51.4 lbs. (18 lbs. metallic copper)
Use Directions: Apply as a post bloom	cover spray. Repeat at 5-day intervals		
use in cover sprays. Discontinue use if i Restrictions: Minimum retreatment inte	njury occurs.		-
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
· · · · · ·		0.43 lb s .	45.71 lbs.
Pear	Fire Blight	(0.15 lb s . metallic copper)	(16 lbs. metallic copper)
Use Directions: Apply at 5-day intervals dosages may cause fruit russet on any v Restrictions: Minimum retreatment inter	/ariety.		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Pear	Blossom Blast (Psuedomonas)	4.51 – 12.86 lbs. (1.58 - 4.5 lbs. metallic copper)	45.71 lbs. (16 lbs. metallic copper)
Use Directions: Apply before fall rains or when conditions favor disease develor Restrictions: Only one application per s	pment. season is permitted during dormancy.	ng growth starts. Use the higher rates	when disease pressure is high
Сгор	Disease Kernel Rot, Shuck Rot	Application Rate/Acre	Maximum Annual Rate/Acre
Pecan	(Phytophthora cactorum), Zonate Leaf Spot (Cristulariella pyramidalis)	2.14 - 3.14 lbs. (0.75 - 1.1 lbs. metallic copper)	18 lbs. (6.3 lbs. metallic copper)
Use Directions: For suppression, apply growth and continue until shucks open. Restrictions: Minimum retreatment inte	Use the higher rates and shorter spray i		als if needed, starting at kernel
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Pecan	Ball Moss, Spanish Moss	2.14 - 3.14 lbs.	18 lbs.
Use Directions: Apply in 100 gallons of sure to wet ball moss tufts thoroughly. months. Restrictions: Minimum retreatment inte	water in the spring when ball moss is ac The addition of a non-ionic surfactant		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Pistachio	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper)	24 lbs. (8.4 lbs. metallic copper)
	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight n at bud swell and repeat on a 14 <u>-</u> to 2	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper)	24 lbs. (8.4 lbs. metallic copper)
Pistachio Use Directions: Make initial application higher rates and shorter spray intervals.	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight n at bud swell and repeat on a 14 <u>-</u> to 2	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the Maximum Annual Rate/Acre
Pistachio Use Directions: Make initial application higher rates and shorter spray intervals. Restrictions: Minimum retreatment intervals.	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight n at bud swell and repeat on a 14 <u>-</u> to 2 erval is 14 days.	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre 1.51 - 3.14 lbs.	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the <u>Maximum Annual Rate/Acre</u> 51.4 lbs.
Pistachio Use Directions: Make initial applicatior higher rates and shorter spray intervals. Restrictions: Minimum retreatment inte Crop Plum Use Directions: Make an application a rates when rainfall is heavy and disease	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight at bud swell and repeat on a 14 <u>-</u> to 2 rval is 14 days. Disease Black Knot t bud swell up to early bloom for early so pressure is high. NOTE: To avoid plant	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre 1.51 - 3.14 lbs. (0.53 - 1.1lbs. metallic copper) season disease suppression. Apply b t injury, do not use after full bloom.	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the Maximum Annual Rate/Acre 51.4 lbs. (18 lbs. metallic copper) efore full bloom. Use the higher
Pistachio Use Directions: Make initial applicatior higher rates and shorter spray intervals. Restrictions: Minimum retreatment inte Crop Plum Use Directions: Make an application a rates when rainfall is heavy and disease Restrictions: Minimum dormant, late do	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight at bud swell and repeat on a 14 <u>-</u> to 2 rval is 14 days. Disease Black Knot t bud swell up to early bloom for early so pressure is high. NOTE: To avoid plant ormant retreatment interval is 7 days. Mi	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre 1.51 - 3.14 lbs. (0.53 - 1.1lbs. metallic copper) season disease suppression. Apply b t injury, do not use after full bloom. inimum bloom/growing season retreat	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the Maximum Annual Rate/Acre 51.4 lbs. (18 lbs. metallic copper) efore full bloom. Use the higher ment interval is 5 days.
Pistachio Use Directions: Make initial application higher rates and shorter spray intervals. Restrictions: Minimum retreatment inte Crop Plum Use Directions: Make an application a rates when rainfall is heavy and disease Restrictions: Minimum dormant, late do Crop	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight at bud swell and repeat on a 14 <u>-</u> to 2 arval is 14 days. Disease Black Knot t bud swell up to early bloom for early s pressure is high. NOTE: To avoid plant ormant retreatment interval is 7 days. Mi Disease	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre 1.51 - 3.14 lbs. (0.53 - 1.1lbs. metallic copper) season disease suppression. Apply b t injury, do not use after full bloom. inimum bloom/growing season retreat Application Rate/Acre	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the <u>Maximum Annual Rate/Acre</u> 51.4 lbs. (18 lbs. metallic copper) efore full bloom. Use the higher ment interval is 5 days. <u>Maximum Annual Rate/Acre</u>
Pistachio Use Directions: Make initial applicatior higher rates and shorter spray intervals. Restrictions: Minimum retreatment inte Crop Plum Use Directions: Make an application a rates when rainfall is heavy and disease Restrictions: Minimum dormant, late do	Botryosphaeria Panicle and Shoot Blight, Botrytis Blight, Late Blight (<i>Alternaria alternata</i>), Septoria Leaf Blight n at bud swell and repeat on a 14 <u></u> to 2 rval is 14 days. Disease Black Knot t bud swell up to early bloom for early s pressure is high. NOTE: To avoid planf ormant retreatment interval is 7 days. Mi Disease Fire Blight	1.51 - 3.14 lbs. (0.53 - 1.1 lbs. metallic copper) 8-day schedule if needed. If disease Application Rate/Acre 1.51 - 3.14 lbs. (0.53 - 1.1lbs. metallic copper) season disease suppression. Apply b t injury, do not use after full bloom. inimum bloom/growing season retreat Application Rate/Acre 0.43 lbs. (0.15 lbe. metallic copper)	24 lbs. (8.4 lbs. metallic copper) conditions are severe, use the <u>Maximum Annual Rate/Acre</u> 51.4 lbs. (18 lbs. metallic copper) efore full bloom. Use the higher ment interval is 5 days. <u>Maximum Annual Rate/Acre</u> 45.71 lbs. (16 lbs. metallic copper)

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	nd, Apple, Apricot, Avocado, Ba			
	ive, Peach, Pear, Pecan, Pistac			
Сгор	Disease	Application Rate/Acre 3.14 - 6 lbs.	Maximum Annual Rate/Acre 91.4 lbs.	
Walnut Walnut Blight 0.14 0 los. 91.4 los. Use Directions: Apply first spray at early pre-bloom prior to or when catkins are partially expanded. Make additional applications during bloom and (1.1 - 2.1 lbs. metallic copper) (32 lbs. metallic copper)				
early nutlet stage on a 7-day interval if r and nutlets is essential for effective contr present.	needed when frequent rainfall or extend ol. NOTE: Adequate control may not be	led periods of moisture occur. Thorou	ugh coverage of catkins, leaves	
Restrictions: Minimum retreatment inter	rval is 7 days.			
VEGETABLES including E	Bean, Beet, Beet Greens, Brocc	oli, Brussels Sprout, Cabbage	. Chinese Cabbage.	
	wer, Celeriac, Celery, Cucumbe			
Honeydew, Kale, Kohlrabi, Lett			ımpkin, Spinach, Squash,	
	Tomato, Watercress, a			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Bean (Dry, Green)	Brown Spot, Common Blight, Downy Mildew*, Halo Blight	0.42 – 2.25 lbs. (0.15 – 0.79 lb s . metallic copper)	13.4 lbs. (4.7 lbs. metallic copper)	
Use Directions: For protective sprays, r	make first application when plants are 6	inches high; repeat on a 7 <u>-</u> to 14-day	y schedule if needed depending	
on environmental conditions. Use the hig Restrictions: Minimum retreatment inter * Not registered for use in California				
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Beet (Table Beet, Beet Greens)	Cercospora Leaf Spot	0.66 - 1.71 lbs.	22.45 lbs.	
Use Directions: Begin applications whe	n conditions first favor disease develop	(0.23 - 0.6 lbe. metallic copper) ment and repeat at 10- to 14-day into	(7.86 lbs. metallic copper) ervals if needed. Use the higher	
rates when conditions favor disease.		,	5	
Restrictions: Minimum retreatment inter Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
•	Alternaria Leaf Spot, Cercospora	0.66 - 1.42 lbs.	14.2 lbs.	
Carrot	Leaf Spot	0.23 - 0.5 lbs. metallic copper)	(5.0 lbs. metallic copper)	
Use Directions: Begin applications whe Restrictions: Minimum retreatment inter		1 to 14-day intervals if needed deper	nding on disease severity.	
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Celery, Celeriac	Bacterial Blight, Cercospora Early	0.66 - 1.42 lbs.	15.14 lbs.	
Use Directions: Begin applications as s	Blight, Septoria Late Blight	0.23 - 0.5 lbs. metallic copper) ne field repeating at 7-day intervals i	(5.3 lbs. metallic copper) f needed depending on disease	
severity and environmental conditions.				
Restrictions: Minimum retreatment inter Crop	rval is 7 days. Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Crucifers (Broccoli; Brussels Sprout;	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Cabbage; Cabbage, Chinese; Cauliflower; Greens, Collard; Greens, Mustard; Greens, Turnip; Kale; Kohlrabi)	Black Leaf Spot (<i>Alternaria</i>), Black Rot (<i>Xanthomonas</i>), Downy Mildew	0.42 - 0.66 lb s . (0.15 - 0.23 lb s . metallic copper)	7.42 lbs. (2.6 lbs. metallic copper)	
Use Directions: Begin application after transplants are set in the field, or shortly after emergence of field seeded crops or when conditions favor disease development. Apply at 7- to 10-day intervals if needed. Use the higher rates when conditions favor disease. NOTE: Reddening of older leaves may occur on broccoli and a flecking of wrapper leaves may occur on cabbage.				
Restrictions: Minimum retreatment inter				
Сгор	Disease Alternaria Leaf Spot, Angular Leaf	Application Rate/Acre	Maximum Annual Rate/Acre	
Cucurbits (Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon)	Spot, Anthracnose, Downy Mildew, Gummy Stem Blight, Powdery Mildew, Watermelon Bacterial Fruit	0.42 - 1.08 lbs. (0.15 - 0.38 lb <mark>e</mark> . metallic copper <u>)</u>	15.0 lbs. (5.25 lbs. metallic copper)	
Line Directional Ragin applications prior	Blotch (suppression)	while conditions are forerable for disc	and development. Repeat at 5	
Use Directions: Begin applications prior to disease development and continue while conditions are favorable for disease development. Repeat at 5- to 7-day intervals if needed. Use the higher rates when conditions favor disease. NOTE: Crop injury may occur from application at higher rates and shorter intervals. Discontinue use if injury occurs. Restrictions: Minimum retreatment interval is 5 days.				
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre	
Eggplant	Alternaria Blight, Anthracnose,	0.66 - 1.28 lbs.	22.57 lbs.	
Use Directions: Begin applications price disease severity.		(0.23 - 0.45 lb <mark>e</mark> . metallic copper <u>)</u> is. Repeat sprays at 7 <u>-</u> to 10-day in	(7.9 lbs. metallic copper) tervals if needed depending on	
Restrictions: Minimum retreatment inter		Application Data (A and	Maximum Angual Data / Arm	
Сгор	Disease	0.66 - 1.28 lbs.	Maximum Annual Rate/Acre 22.85 lbs.	
Lettuce** including Endive, Escarole	Downy Mildew	(0.23 - 0.45 lb <mark>s</mark> . metallic copper <u>)</u>	(8 lbs. metallic copper)	
Use Directions: Begin applications who	en disease symptoms first appear or w	nen conditions tavor disease develo	poment, Repeat at 5- to 10-day	

Use Directions: Begin applications when disease symptoms first appear or when conditions favor disease development. Repeat at 5- to 10-day intervals if needed depending on disease severity. **NOTE:** Determine if there is varietal sensitivity prior to use. Injury may occur to sensitive lettuce varieties and under adverse weather conditions. Discontinue use if injury occurs. **Restrictions:** Minimum retreatment interval is 5 days. **Not registered for use in CA and AZ.

	VEGETABLES including Bean, Beet, Beet Greens, Broccoli, Brussels Sprout, Cabbage, Chinese Cabbage,				
Cantaloupe, Carrot, Cauliflower, Celeriac, Celery, Cucumber, Eggplant, Greens (Collard, Mustard and Turnip), Honeydew, Kale, Kohlrabi, Lettuce**, Muskmelon, Okra, Onion/Garlic/Leek, Pea, Pepper, Pumpkin, Spinach, Squash,					
Tomato, Watercress, and Watermelon					
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
OkraAnthracnose, Bacterial Leaf Spot, Leaf Spots, Pod Spot, Powdery Mildew0.66 - 1.28 lbs. (0.23 - 0.45 lbe. metallic copper)15 lbs. 					
Use Directions: Begin treatment when disease first threatens and repeat every 5- to 10-days if needed depending on disease severity. Use the higher rates and shorter spray intervals when conditions favor disease. Restrictions: Minimum retreatment interval is 5 days.					
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Onion, Garlic, Leek	Bacterial Blight, Downy Mildew, Purple Blotch	0.66 - 1.28 lbs. (0.23 - 0.45 lb s . metallic copper <u>)</u>	17.14 lbs. (6 lbs. metallic copper)		
Use Directions: Begin when plants are phytotoxicity to leaves. Restrictions: Minimum retreatment inte		0-day intervals if needed depending	on disease severity. Can cause		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Pea	Powdery Mildew	0.42 - 1.08 lbs. (0.15 - 0.38 lb s . metallic copper)	11.28 lbs. (3.95 lbs. metallic copper)		
Use Directions: Begin applications wh conditions favor disease. Restrictions: Minimum retreatment inte		d repeat at weekly intervals if need	ed. Use the higher rates when		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Pepper	Anthracnose, Bacterial Spot, Cercospora Leaf Spot	0.65 - 1.08 lbs. (0.23 - 0.38 lb s . metallic copper)	33.85 lbs. (11.85 lbs. metallic copper)		
Use Directions: Begin applications who disease severity. Use the higher rates w Restrictions: Minimum retreatment inte	hen conditions favor disease.	pment and repeat at 3 <u>-</u> to 10-day in	tervals if needed depending on		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Spinach	Anthracnose, Blue Mold, Cercospora Leaf Spot, Downy Mildew* White Rust disease	0.65 - 1.08 lbs. (0.23 - 0.38 lb <mark>s</mark> . metallic copper)	11.28 lbs. (3.95 lbs. metallic copper)		
Use Directions: Begin application when disease first appears or when conditions favor disease development. Repeat at 7 _± to 10-day intervals if needed. Use the higher rates when conditions favor disease. NOTE: Flecking may occur on spinach leaves. Restrictions: Minimum retreatment interval is 7 days. * Not registered for use in California.					
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Tomato (Processing)	Anthracnose, Bacterial Speck, Bacterial Spot, Gray Leaf Mold, Late Blight,	0.65 - 1.51 lbs.	49.7 lbs. (processing) (17.4 lbs. metallic copper)		
Tomato (Fresh Market)	Septoria Leaf Spot	(2.3 - 0.53 lbe. metallic copper)	22.85 lbs. (fresh market) (8.0 lbs. metallic copper)		
Use Directions: Begin applications when disease first threatens and repeat at 3- to 10-day intervals if needed depending on disease severity. Use the higher rates when conditions favor disease. Restrictions: Minimum retreatment interval is 3 days.					
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Watercress	Cercospora Leaf Spot	0.65 - 1.28 lbs. (0.23 - 0.45 lb <mark>s</mark> . metallic copper)	6.05 lbs. (2.12 lbs. metallic copper)		
Use Directions: Begin applications when plants are first established in the field, repeating at 7 to 14-day intervals if needed depending on disease severity. Do not exceed four applications per crop. Apply using ground spray equipment at no less than 50 gallons of spray solution per acre. Restrictions: Minimum retreatment interval is 7 days. Do not exceed 4 applications per crop. Production fields must be drained of water at least 24 hours prior to each application and water must not be reapplied to the field for a minimum of 24 hours following each application. Copper must not to be applied to watercress during the aquatic production phase.					

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	VINES including Grape, Hops and Kiwi				
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Grape	Black Rot, Downy Mildew, Phomopsis,	0.65 - 1.28 lbs.	57.14 lbs.		
	Powdery Mildew	(0.23 - 0.45 lb s . metallic copper)			
Use Directions: Begin applications at bud break with subsequent applications throughout the season depending on disease severity. Repeat at 3- day intervals if needed. Use the higher rates when conditions favor disease. NOTE: Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagara and Rosette. Either test for sensitivity or add 1 to 3 pounds of hydrated lime per pound of SPU-02720-F. Restrictions: Minimum retreatment interval is 3 days.					
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Hops	Downy Mildew	0.65 - 1.28 lbs.	7.57 lbs.		
•		(0.23 - 0.45 lb s . metallic copper)			
two weeks before harvest.	treatment after pruning, but before training. After the timent interval is 10 days. Do not use within 2 wee	0, 11, 5	needed. NOTE: Discontinue use		
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre		
Kiwi	Erwinia herbicola, Pseudomonas	1.71 - 2.85 lbs.	18 lbs.		
NIWI	fluorescens, Pseudomonas syringae	(0.6 - 1 lbs. metallic copper)	(6.3 lbs. metallic copper)		
	gallons of water per acre. Make applications on a tment interval is 30 days. Do not exceed 3 applications of the second state		applications per crop.		

Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acr
Atemoya	Anthracnose	1.08 - 1.71 lbs. (0.38 - 0.6 lb s . metallic copper)	36 lbs. (12.6 lbs. metallic copper)
Use Directions: Make initial applicati horough coverage. Use the higher rat Restrictions: Minimum retreatment ir			
Сгор	Disease		
Carambola	Anthracnose	2.14 - 3.14 lbs. (0.75 - 1.1 lbs. metallic copper)	30 lbs. (10.5 lbs. metallic copper)
Use Directions: Make initial applicati horough coverage. Use the higher rat Restrictions: Minimum retreatment ir		weekly schedule until just before harv	rest. Apply in sufficient water fo
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acr
Chives	Downy Mildew	0.66 - 1.28 lbs. (0.23 - 0.45 lb s . metallic copper)	7.57 lbs. (2.65 lbs. metallic copper)
Use Directions: Begin applications w conditions. Restrictions: Minimum retreatment ir	hen plants are established in the field. Re iterval is 7 days.	epeat applications every 7 to 10 days	if needed depending on diseas
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acr
Dill	Phoma Leaf Spot, Rhizoctonia Foliage Blight	0.66 - 1.08 lbs. (0.23 - 0.38 lb s . metallic copper)	11.28 lbs. (3.95 lbs. metallic copper)
Use Directions: Begin applications w	hen plants are first established in the field	and repeat at 7- to 10-day intervals if I	needed depending upon diseas
	. Use the higher rates when conditions fav		
severity and environmental conditions	. Use the higher rates when conditions fav	vor disease. Application Rate/Acre	Maximum Annual Rate/Acr
severity and environmental conditions Restrictions: Minimum retreatment in Crop Ginseng	. Use the higher rates when conditions fav terval is 7 days. Disease Alternaria Leaf Blight, Stem Blight	vor disease. Application Rate/Acre 0.86 - 1.51 lbs. (0.3 - 0.53 lb e . metallic copper)	15 lbs. (5.25 lbs. metallic copper)
severity and environmental conditions Restrictions: Minimum retreatment in Crop Ginseng Use Directions: Tank mix with an ipr dormant in fall. Apply fungicides at lea most severe in humid conditions such	Use the higher rates when conditions favilaterval is 7 days.	vor disease. Application Rate/Acre 0.86 - 1.51 lbs. (0.3 - 0.53 lbe. metallic copper) lications can be repeated every 7 day sticker or sticker is advised. NOTE: A to 4-year old Ginseng. It is very import ungicide throughout the canopy.	15 lbs. (5.25 lbs. metallic copper) rs if needed until plants becom Iternaria Leaf and Stem Blight i tant that the stems be thoroughl
Reserverity and environmental conditions Restrictions: Minimum retreatment in Crop Ginseng Jse Directions: Tank mix with an ipr formant in fall. Apply fungicides at lea nost severe in humid conditions such covered with fungicide; therefore, use	Use the higher rates when conditions favilaterval is 7 days.	Application Rate/Acre 0.86 - 1.51 lbs. (0.3 - 0.53 lbe. metallic copper) lications can be repeated every 7 day sticker or sticker is advised. NOTE: A to 4-year old Ginseng. It is very import ungicide throughout the canopy. Application Rate/Acre	15 lbs. (5.25 lbs. metallic copper) rs if needed until plants becom Iternaria Leaf and Stem Blight i tant that the stems be thorough Maximum Annual Rate/Acr
Reserverity and environmental conditions Restrictions: Minimum retreatment in Crop Ginseng Use Directions: Tank mix with an ipr formant in fall. Apply fungicides at lea nost severe in humid conditions such sovered with fungicide; therefore, use Restrictions: Minimum retreatment in Crop Guava	Use the higher rates when conditions favilaterval is 7 days.	Application Rate/Acre 0.86 - 1.51 lbs. (0.3 - 0.53 lbe. metallic copper) lications can be repeated every 7 day sticker or sticker is advised. NOTE: A to 4-year old Ginseng. It is very import ungicide throughout the canopy. Application Rate/Acre 1.08 - 1.71 lbs. (0.38 - 0.6 lbe. metallic copper)	15 lbs. (5.25 lbs. metallic copper) /s if needed until plants becom lternaria Leaf and Stem Blight i tant that the stems be thorough Maximum Annual Rate/Act 14 lbs. (4.9 lbs. metallic copper)
severity and environmental conditions Restrictions: Minimum retreatment in Crop Ginseng Jse Directions: Tank mix with an ipr dormant in fall. Apply fungicides at lea most severe in humid conditions such covered with fungicide; therefore, use Restrictions: Minimum retreatment in Crop Guava	Use the higher rates when conditions favilaterval is 7 days.	Application Rate/Acre 0.86 - 1.51 lbs. (0.3 - 0.53 lbe. metallic copper) lications can be repeated every 7 day sticker or sticker is advised. NOTE: A to 4-year old Ginseng. It is very import ungicide throughout the canopy. Application Rate/Acre 1.08 - 1.71 lbs. (0.38 - 0.6 lbe. metallic copper)	15 lbs. (5.25 lbs. metallic copper) /s if needed until plants becom lternaria Leaf and Stem Blight i tant that the stems be thorough Maximum Annual Rate/Acr 14 lbs. (4.9 lbs. metallic copper)
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MISCELLANEOUS including Atemoya, Carambola, Chives, Dill, Ginseng, Guava, Litchi, Live Oak, Macadamia,			
	apote, Papaya, Parsley, Passion		
Сгор			Maximum Annual Rate/Acre
Live Oak*	Ball Moss, Spanish Moss	2.14 - 3.14 lbs. (0.75 - 1.1 lbs. metallic copper)	3.14 lbs. (1.1 lbs. metallic copper)
Use Directions: Apply in 100 gallons of	f water in the spring when ball moss is actively growing, using 1.5 gallons of spray per foot of tree height. Make		
sure to wet ball moss tufts thoroughly.			
months. Restrictions: Make only one applicatior	n per vear *Not registered for use in Ca	lifornia	
Crop	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Macadamia	Anthracnose	2.14 - 3.42 lbs. (0.75 - 1.2 lbs. metallic copper)	26.97 lbs. (9.44 lbs. metallic copper)
Use Directions: Initiate sprays at first sig coverage. Use the higher rates for sever Restrictions: Minimum retreatment inte	re disease.	chedule until just before harvest. Appl	y in sufficient water for thorough
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Macadamia	Phytophthora Blight (<i>P. capsici</i>), Raceme Blight (<i>Botrytis cinerea</i>)	1.08 - 2.06 lbs. (0.38 - 0.72 lb <mark>s</mark> . metallic copper)	26.97 lbs. (9.44 lbs. metallic copper)
Use Directions: Apply during raceme d	levelopment and bloom periods. Apply	in sufficient water for thorough cover-	age. Use the higher rates when
conditions favor disease. Restrictions: Minimum retreatment inte	rval is 7 davs.		
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Mamey Sapote	Algal Leaf Spot, Anthracnose	2.14 - 3.14 lbs. (0.75 - 1.1 lbs. metallic copper)	24 lbs. (8.4 lbs. metallic copper)
Use Directions: Apply when condition environmental conditions dictate. Use th Restrictions: Minimum retreatment inte	e higher rates when conditions favor dis	at on 14 <u>-</u> to 30-day schedule if ne	eded as disease severity and
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Рарауа	Anthracnose	1.51 – 3.71 lbs. (0.53 - 1.3 lbs. metallic copper)	60.57 lbs. (21.2 lbs. metallic copper)
Use Directions: Apply before disease a rates when conditions favor disease. Restrictions: Minimum retreatment interview.		ed. The addition of an approved sprea	ader is desirable. Use the higher
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Parsley	Bacterial Blight (Pseudomonas sp.)	1.08 - 1.71 lbs. (0.38 - 0.6 lb s . metallic copper)	5.71 lbs. (2.0 lbs. metallic copper)
Use Directions: Begin applications when plants are first established in the field and repeat at 10-day intervals if needed depending on disease severity and environmental conditions. Restrictions: Minimum retreatment interval is 10 days.			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Passion Fruit	Anthracnose	2.14 - 3.42 lbs. (0.75 - 1.2 lbs. metallic copper)	26.97 lbs. (9.44 lbs. metallic copper)
Use Directions: Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage. Use the higher rates when conditions favor disease. Restrictions: Minimum retreatment interval is 7 days.			
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Sugar Apple (Annona)	Anthracnose	4.51 - 6.65 lbs. (1.58 - 2.33 lbs. metallic copper)	36 lbs. (12.6 lbs. metallic copper)
Use Directions: Make initial application thorough coverage. Use the higher rates Restrictions: Minimum retreatment interview.	s when conditions favor disease.	veekly schedule until just before harv	est. Apply in sufficient water for
Сгор	Disease	Application Rate/Acre	Maximum Annual Rate/Acre
Sycamore	Anthracnose	0.66 - 1.08 lbs. (0.23 - 0.38 lb s . metallic copper)	57.14 lbs. (20 lbs. metallic copper)
Use Directions: Apply as a full cover sp second application 7 to 10 days later at Restrictions: Minimum retreatment inte	10% leaf expansion. Use the higher rate		irst application at bud crack and

CONIFERS

For use on conifers, including Douglas Fir, Fir, Juniper, Leyland Cypress, Pine and Spruce, in Christmas tree plantings and silviculture nurseries.

For control of foliar diseases, apply SPU-02720-F as a thorough cover spray at rates ranging from 0.66 to 1.51 pounds (0.23 - 0.53 lbs. metallic copper) per acre. Begin applications in the spring at the initiation of new growth and repeat at 7_{\pm} to 30-day intervals if needed. Use the higher rates when disease pressure is severe or when environmental conditions favor disease development. Maximum annual rate per acre is 57.14 pounds (20 pounds metallic copper).

Crop	Scientific Name	Disease
Douglas Fir	Pseudotsuga menziesii	Rhabdocline Needlecast
Fir	Abies spp.	Needlecasts
Juniper	Juniperus spp.	Anthracnose, Phomopsis Twig Dieback
Leyland Cypress	X Cupressocyparis leylandii	Cercospora Needle Blight
Pine	Pinus spp.	Needlecasts
Spruce	Picea spp.	Needlecasts

Lichens: To control lichens on any of the conifers above, apply 3 pounds of SPU-02720-F (1.05 pounds metallic copper) per acre as a dormant application before new growth emerges in the spring. The addition of a non-ionic surfactant will improve control. A second application may be required after 12 months.

Restrictions: Do not buffer or combine with emulsifiable concentrate insecticides.

GREENHOUSE AND SHADEHOUSE CROPS

Notice to User: SPU-02720-F may be used in greenhouses and shadehouses to control diseases on crops which appear on this label, and specific instructions have been developed for the crops listed. The grower should bear in mind that the sensitivity of crops grown in greenhouses and shadehouses differs greatly from crops grown under field conditions. Neither the manufacturer nor seller has determined whether or not SPU-02720-F can be used safely on all greenhouse and shadehouse grown crops. The user must determine if SPU-02720-F can be used safely prior to commercial use. In a small area, apply the specified rates to the plants in question, e.g. foliage, fruit, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use. Consequently, injuries arising from the use of SPU-02720-F on these types of greenhouse and shadehouse crops are the responsibility of the user.

Apply SPU-02720-F according to specific rates given for those crops in pounds per acre. **One level tablespoon of SPU-02720-F per 1,000 square feet is equivalent to 1.0 pound of product per acre.** Apply SPU-02720-F in adequate water for thorough coverage of plant parts. Begin application at first sign of disease and repeat if needed; use shorter spray intervals during periods when severe disease conditions persist. For maximum annual rates per acre, refer to the crop specific directions.

NOTE: Phytotoxicity may occur on young tender flush when SPU-02720-F is applied to citrus seedlings grown in greenhouses or shadehouses.

Crop	Disease	Rate per 1,000_ft ²	Max Annual Rate/1,000 ft ²
Citrus (Non-Bearing Nursery)	Brown Rot, Citrus Canker, Greasy Spot,	1.25 TBSP	4.25 TBSP
Cillus (Non-Bearing Nursery)	Melanose, Pink Pitting, Scab	(0.009 lb s . metallic copper)	(0.03 lb <mark>s</mark> . metallic copper)
Use Directions: Begin applications	when disease first threatens. Repeat at 7- to 3	0-day intervals if needed depending	g on disease severity.
		0.4 - 1.4 TBSP	1.75 TBSP
Cucumber	Angular Leaf Spot, Downy Mildew	(0.0029 - 0.009 lb <mark>s</mark> . metallic	(0.013 lb s . metallic copper)
		copper)	
Use Directions: Apply at 5- to 7-day	y intervals when plants begin to vine. Use the h	nigher rates when conditions favor o	lisease.
Eggplant	Alternaria Blight Anthropped Dhemonoia	0.4 TBSP	2.75 TBSP
Eggplant	Alternaria Blight, Anthracnose, Phomopsis	(0.0029 lb <mark>s</mark> . metallic copper)	(0.02 lb <mark>s</mark> . metallic copper)
Use Directions: Begin applications disease severity.	prior to development of disease symptoms. Re	epeat sprays at 7 <u>-</u> to 10-day interva	s if needed depending on
		0.4 - 1.4 TBSP	4 TBSP
Pepper	Bacterial Spot	(0.0029 - 0.009 lb s . metallic	(0.029 lb <u>.</u> e metallic copper)
		copper)	
Use Directions: Begin applications disease severity. Use the higher rate	when conditions first favor disease developme es when conditions favor disease.	nt and repeat at 3 <u>-</u> to 10-day interv	als if needed depending on
	Anthracnose, Bacterial Speck, Bacterial	0.4 - 1.4 TBSP	2.75 TBSP
Tomato	Spot, Early Blight, Gray Leaf Mold, Late	(0.0029 - 0.009 lb s . metallic	(0.02 lb <u>.</u> s metallic copper)
	Blight, Septoria Leaf Spot copper)		
Use Directions: Begin applications the higher rates when conditions fav	when disease first threatens and repeat at 3- t for disease.	o 10-day intervals if needed depend	ding on disease severity. Use

ORNAMENTALS

Use SPU-02720-F for control of bacterial and fungal diseases of foliage, flowers and stems on ornamentals in greenhouses, shade houses, outdoor nurseries and outdoor landscape plantings.

For ornamental crops in dormancy, apply as a thorough cover spray at rates ranging from 0.42 to 1.71 pounds[^] (0.15 - 0.6 lbs. metallic copper) per acre of SPU-02720-F. When new growth is present, apply as a thorough cover spray at rates ranging from 0.42 to 1.28[^] (0.15 - 0.45 lbs. metallic copper) pounds per acre of SPU-02720-F. **One level tablespoon of SPU-02720-F per 1,000 square feet is equivalent to 1.0 pounds of product per acre.** Begin application at first sign of disease and repeat at 7 to 14-day intervals if needed; use the higher rates and shorter spray intervals during periods of frequent rains or when severe disease conditions persist. Maximum annual rate per acre is 57.1 pounds (20 lbs. metallic copper).

SPU-02720-F may be used alone or in combination with other fungicides registered for use on ornamentals as a maintenance spray. Use in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

Notice to User: Plant sensitivities to SPU-02720-F have been found to be acceptable for the specific genera and species listed on this label under the conditions tested. However, phytotoxicity may occur. Due to the large number of species and varieties of ornamental and nursery plants, and the wide range of growing conditions, it is impossible to test every one for sensitivity to SPU-02720-F. Neither the manufacturer nor seller has determined whether or not SPU-02720-F can be safely used on ornamental or nursery plants not listed on this label. The user must determine if SPU-02720-F can be used safely prior to commercial use. In a small area, apply the specified rates to the plants in question, i.e., bedding plants, foliage, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

NOTE: This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

Restrictions: Minimum retreatment interval is 7 days. Maximum annual rate for Easter Lilies is 75 lbs. metallic copper (214 lbs. product). For Easter Lilies, do not add additional copper pesticides to this land for 36 months. Maximum annual rate for Ornamentals (except Easter Lilies) is 20 lbs. metallic copper (57.14 lbs. product). This product cannot be mixed with any product containing a label prohibition against such mixing. This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

Crop	Scientific Name	Disease
Aglaonema*	Aglaonema spp.	Bacterial Leaf Spot
Althea (Rose of Sharon)	Hibiscus syriacus	Bacterial Leaf Spot
Andromeda, Japanese*	Pieris japonica	Leaf Spots, Twig Blight
Aralia	Dizygotheca elegantissima	Alternaria, Cercospora Leaf Spot, Xanthomonas Leaf Spot
Arborvitae	Thuja spp.	Alternaria Twig Blight, Cercospora Leaf Blight
Aster*	Aster spp.	Downy Mildew, Leaf Spots
Azalea ¹	Rhododendron spp.	Botrytis Blight, Cercospora Leaf Spot, Phytophthora Dieback, Powdery Mildew
Beech*	Fagus spp.	Leaf Spots
Begonia	Begonia semperflorens	Bacterial Leaf Spot (Erwinia spp., Pseudomonas spp., Xanthomonas spp.)
Bougainvillea	Bougainvillea spectabilis	Anthracnose, Bacterial Leaf Spot
Boxwood*	Buxus spp.	Leaf Spots
Camellia	Camellia japonica, C. sasanqua	Anthracnose, Bacterial Leaf Spot
Camphor Tree	Cinnamomum camphora	Pseudomonas Leaf Spot
Canna	Canna spp.	Pseudomonas Leaf Spot
Carnation ¹	Dianthus spp.	Alternaria Blight, Botrytis Blight, Pseudomonas Leaf Spot
Cedar*	Cedrus spp.	Tip Blight
Cherry, Nanking*	Prunus tomentosa	Bacterial Leaf Spot
Chinese Tallow Tree	Sapium sebiferum	Bacterial Leaf Spot (Pseudomonas spp., Xanthomonas spp.)
Chrysanthemum ¹	Chrysanthemum morifolium	Botrytis Blight, Pseudomonas Leaf Spot, Septoria Leaf Spot
Cotoneaster	Cotoneaster spp.	Botrytis Blight
Crabapple*	Malus spp.	Fire Blight
Cypress*	Cupressus spp.	Twig Blight
Dahlia	Dahlia pinnata	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Delphinium*	Delphinium spp.	Leaf Spots
Dianthus	Dianthus spp.	Bacterial Soft Rot, Bacterial Spot
Dogwood, Flowering	Cornus florida	Anthracnose
Dogwood, Kousa*	Cornus kousa	Fungal Leaf Spots
Douglas Fir	Pseudotsuga menziesii	Rhabdocline Needlecast
Dracaena*	Dracaena marginata	Bacterial Leaf Spot
Dumb Cane*	Dieffenbachia spp.	Bacterial Leaf Spot
Dusty Miller	Senecio cineraria	Bacterial Leaf Spot (Pseudomonas cichorii)
Echinacea	Echinacea spp.	Bacterial Leaf Spot (Pseudomonas cichorii)
Elm, Chinese	Ulmus parvifolia	Xanthomonas Leaf Spot
Euonymus	Euonymus spp.	Anthracnose, Botrytis Blight
Fern Boston*	Nephrolepis exaltata	Bacterial Leaf Spot
Fern, Holly	Cyrtomium falcatum	Pseudomonas Leaf Spot
Fig, Weeping*	Ficus benjamina	Bacterial Leaf Spot
Filbert (Ornamental)*	Corylus spp.	Filbert Blight
Fir*	Abies spp.	Needlecasts

^In California, use only the high rates.

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Crop Scientific Name Disease			
	Crop	Scientific Name	Disease

ORNAMENTALS		
Yucca (Adam's Needle)	<i>Yucca</i> spp.	Cercospora Leaf Spot, Septoria Leaf Spot
Zinnia*	Zinnia spp.	Leaf Spots

¹Discoloration of foliage and/or blooms have been noted on some varieties. To prevent residues on commercial plants, do not spray immediately before selling season. ²Hibiscus – Do not apply to plants in flower.

³For Indian Hawthorn use 0.85 – 1.71 pounds per acre (0.3 - 0.6 pounds metallic copper). In California, use only the high rate.

⁴Some cultivars may be sensitive to SPU-02720-F.

⁵Apply SPU-02720-F at 1.28 to 2.14 pounds (0.45 - 0.75 pounds metallic copper) per acre. Maximum annual rate per acre is 214 pounds (75 pounds metallic copper). Do not apply any additional copper pesticide to this land for 36 months. In California, use only the high rate.

⁶Apply dormant through bloom only. *Not registered for use in California.

NOTE: Phytotoxicity may depend on varietal differences. If unfamiliar with the use of SPU-02720-F, apply the specified rate to a few plants and observe after 7 to 10 days for symptoms of phytotoxicity.

Control of Ball Moss*, Spanish Moss* and Lichens* on Ornamental and Shade Trees: Apply SPU-02720-F in early spring when the trees are dormant. Apply 2.57 - 3.42 pounds SPU-02720-F (0.9 - 1.2 pounds metallic copper) in 100 gallons of water, using 1.5 gallons of spray per foot of tree height. Do not apply more than 5.7 lbs. product (2 lbs. metallic copper) per acre. Be sure to thoroughly wet ball moss tufts, Spanish moss or lichens. The addition of a non-ionic surfactant will improve control. A second application may be required after 12 months.

NOTE: SPU-02720-F may be injurious to some ornamental plants growing beneath the trees. This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

Cold Storage Protection for Dormant Rootstock*: To protect bare-root nursery trees from Phytophthora Crown Rot and Botrytis, use 1.28 – 1.71 pounds SPU-02720-F (0.45 - 0.6 pounds metallic copper) per 100 gallons of water. Apply as a dip or spray to the roots and lower stems of dormant rootstock prior to placing in cold storage. Do not apply to rootstock less than 2 years old.

TURF (Non-Residential)

For control of algae in turfgrasses on sod farms, golf courses, cemeteries, and industrial turf areas. Apply 4.85 to 8.57 pounds (1.7 - 3 lbs. metallic copper) per acre (2.4 to 4.28 oz. per 1000 square feet). Apply in sufficient water to provide adequate coverage. SPU-02720-F may be used alone or in combination with other registered turf fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes.

Restrictions: Minimum retreatment interval is 10 days. Maximum single application rate is 8.57 lbs. per acre (3 lbs. metallic copper equivalent). Maximum annual application rate is 60 pounds per acre (21 pounds metallic copper equivalent).

NOTE: Phytotoxicity may occur depending on varietal differences. Apply the recommended rate to a small area and observe for 7 to 10 days for signs of injury. If phytotoxicity occurs, discontinue use. Do not apply in spray solutions with a pH of less than 6.5.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place.

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

CONTAINER HANDLING:

Nonrefillable Plastic Bags or Paper Sacks with Plastic Bag Liners: Nonrefillable container. Do not reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration. Do not burn.

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 <u>Cosaco GmbHSpiess-Urania</u>. 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.

<u>Cosaco GmbHSpiess-Urania</u> 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.

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