

PRECAUTIONARY STATEMENTS

DANGER

Hazards to Humans And Domestic Animals

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Wear protective eye wear (goggles, safety glasses, face shield), long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves (such as made out of any waterproof material, selection category A).

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, PVC and vinyl. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart. Mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear such as face shield or goggles

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

USER SAFETY RECOMMENDATIONS

Users should:

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

ENGINEERING CONTROL STATEMENT

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment/washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). 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. Notify workers of the application by warning them orally in a manner they can understand. 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 the restricted entry interval (REI) is 24 hours. 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 conditions 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.
- That residues in the treated area may be highly irritating to their 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 that is located with the decontamination supplies and
- 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 spray has dried.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. PESTICIDE STORAGE: Store in a cool, secure, dry area in original container. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INSTRUCTIONS

NU-COPP 50 DF may be applied by Air, or by Dilute or Concentrated Ground Sprayers, or Chemigation on crops and at rates given in this label unless specifically prohibited for that crop use. When selecting a use for NU-COPP 50 DF, do not apply less than the labeled minimum application rate. Under heavy disease pressure or when conditions favor such, use the higher rate and shorter spray intervals specified for each crop. Use the higher rates for large mature tree crops. The per acre use rate is applicable for both dilute and concentrate spray.

Sufficient spray volume and spray pressure are essential to thoroughly penetrate the plant canopy and give thorough spray coverage. On crops sensitive to copper fungicides use the higher volumes of spray water per acre. When making a concentrate or aerial application without specific experience, it is advisable to test for crop tolerance prior to full scale use. While volume is important in obtaining full spray coverage, other factors such as foliage density, environmental conditions and spray calibrations, have a greater impact. Always be sure that sprayers are calibrated to spray equipment manufacturer's specifications and environmental conditions are within those required by State and local regulatory authorities.

When using adjuvants or other pesticides in combination with this product, always observe the precautionary statements on the product's label and required days before harvest. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Sprays of NU-COPP 50 DF may be applied up to 24 hours preharvest due to REI for Worker Protection Standard. Before mixing with other products in a spray tank, be sure that products are compatible. If compatibility is in question, use the compatibility jar test before mixing any work tank. NU-COPP 50 DF should not be applied in spray water having a pH of less than 6.5 as phytoxicity may result. Use a buffering agent to increase the pH to 6.5-7.0 if your water source is below 6.5. Also avoid using water having a pH of greater than 9.0 as effectiveness may be reduced. 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 NU-COPP 50 DF 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 state/local expert, it is advisable to test for compatibility and tolerance to crop injury prior to full scale commercial utilization of a new tank mix or tank mixing should not be undertaken.

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

MIXING INSTRUCTIONS FOR SPRAY APPLICATION

Fill the spray tank three-fourths to four-fifths full with clean water. Start agitation (NOTE: Proper agitation creates a rippling or rolling action on the liquid surface). Add NU-COPP 50 DF at the recommended rate. Mix thoroughly and then add enough water to fill spray tank. Maintain sufficient agitation during mixing and during application of sprays to ensure a uniform spray mixture. When tank mixing with other products, follow the mixing sequence below: (1) micro-nutrients and fertilizers, (2) wettable powders, dry flowables, and water dispersible granules, (3) liquid flowables, (4) emulsifiable concentrates, and (5) adjuvants. Before adding the second pesticide, be sure that the prior product is well mixed and suspended before adding the next ingredient.

MINIMUM RECOMMENDED SPRAY VOLUME IN GALLONS PER ACRE (GPA)

A full dilute spray on tree crops means the maximum amount of spray when uniformly applied that an acre of such trees will hold to the point that excess spray begins to drip off. Thus the dilute spray volume per acre will depend on tree size and leaf surface per tree. The degree of frost protection will vary with weather conditions and other factors. Not recommended for those geographical areas where weather conditions favor severe frost.

Temperature Inversion 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 inversion or stable atmospheric conditions. Other State and Local Requirements Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed. Equipment All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. For Aerial Application: • The boom height must not exceed 75% of the wingspan or 90% of the rotor blade diameter • Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. • When applications are made with crosswinds, the swath must be displaced downwind. The applicator must compensate for the displacement at the up and downwind edge of the application area by adjusting the path of the wind upwind. For Groundboom Application: • Do not apply with a nozzle height greater than 4 feet above the crop canopy.

CROPS

The following specific instructions are based on general application procedures. 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 NU-COPP 50 DF 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 thereby provide some protection against frost. The degree of frost protection will vary with weather conditions and other factors. Not recommended for those geographical areas where weather conditions favor severe frost.

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Cercospora & Leptospheralaria Leaf Spots	1.0 (0.5 lbs of metallic equivalent)	30 Days	Apply 10 to 14 days before each harvest or earlier if disease threatens. Spray with ground or aerial equipment. Spray injury may occur with sensitive varieties such as Lahontan.

RESTRICTIONS: Maximum single application rate is 1.0 lb/A (0.5 lbs metallic copper equivalent) Maximum annual application rate is 2.0 lb/A (1.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Carrot Blight (Cercospora)	2.0 (1.0 lbs of metallic equivalent)	7	Begin application when disease first threatens and repeat at 7 to 14 day intervals as needed depending on disease severity.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lb/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Black Pod	3.0 - 4.5 (1.5 - 2.25 lbs of metallic equivalent)	14	Begin applications at the start of the rainy season and continue while infection conditions persist. Sprays should be made as often as 14 - 21 days in high rainfall areas at varying rates per acre depending on disease severity. For drier areas where 2 to 4 applications are recommended during critical infection periods and at long intervals, use 2 - 4 lbs per acre, according to disease incidence and planting density.

RESTRICTIONS: Maximum single application rate is 4.5 lbs/A (2.25 lbs metallic copper equivalent) Maximum annual application rate is 31.5 lbs/A (15.75 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose	4.2 (2.1 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.

RESTRICTIONS: Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 21.0 lb/A (10.5 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Dormant and Late Dormant to Pink "But Season" Bacterial Blight* (<i>Pseudomonas Coryneum Blight (Shot Hole)</i>)	8.0 - 16.0 (4.0 - 8.0 lbs of metallic equivalent)	7	Use at dormant to early pink bud. For blast control in sprinkler irrigated orchards or where disease is severe, apply 2-4 sprays or as many as required at 1.0 - 3.0 lbs per acre at 2 week, post-bloom intervals or just before sprinkling. Slight leaf injury may occur from post-bloom spray.

Use at dormant to early pink bud. For blast control in sprinkler irrigated orchards or where disease is severe, apply 2-4 sprays or as many as required at 1.0 - 3.0 lbs per acre at 2 week, post-bloom intervals or just before sprinkling. Slight leaf injury may occur from post-bloom spray.

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Bloom/Growing Season: Coryneum Blight Blossom Brown Rot (<i>Not For Use in California</i>)	3.0 (1.5 lbs of metallic equivalent)	5	Use during the early bloom stage (popcorn). A second application in late dormant before foliage buds swell may be necessary when frequent rainfall occurs. 10-20 plant injury, do not use after full bloom.

Use during the early bloom stage (popcorn). A second application in late dormant before foliage buds swell may be necessary when frequent rainfall occurs. 10-20 plant injury, do not use after full bloom.

*Use a minimum of 12 lbs of product/Acre in California **Do not apply more than 12 lbs of product/Acre in California

RESTRICTIONS: Maximum single dormant application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent) Maximum single bloom/growing application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Dormant, Late Dormant, Up to Pink Bud: Anthracnose Dead Bud (<i>Pseudomonas syringae</i>) Coryneum Blight European Canker	12.0 - 16.0 (6.0 - 8.0 lbs of metallic equivalent)	7	Only one dormant application allowed per season. Use the higher rates when conditions favor disease. Use on yellow varieties may cause discoloration. To avoid, pick before spraying.

Only one dormant application allowed per season. Use the higher rates when conditions favor disease. Use on yellow varieties may cause discoloration. To avoid, pick before spraying.

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Bloom, Growing Season: Coryneum Blight (Shot Hole) Blossom Brown Rot (<i>Not For Use in California</i>)	2.0 - 3.0 (1.0 - 1.5 lbs of metallic equivalent)	5	Apply at popcorn to full bloom as a full cover spray. To avoid spray injury, do not apply after full bloom.

Apply at popcorn to full bloom as a full cover spray. To avoid spray injury, do not apply after full bloom.

RESTRICTIONS: Maximum single dormant application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent) Maximum single bloom/growing application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Anthracnose, Blight, Scab	4.0 - 6.3 (2.0 - 3.15 lbs of metallic equivalent)	14	Apply when bloom buds begin to swell. Begin application at 14 - 28 days after fruiting for 5 to 6 applications. Use higher rate when conditions favor disease.

Apply when bloom buds begin to swell. Begin application at 14 - 28 days after fruiting for 5 to 6 applications. Use higher rate when conditions favor disease.

RESTRICTIONS: Maximum single application rate is 6.3 lbs/A (3.15 lbs metallic copper equivalent) Maximum annual application rate is 37.8 lbs/A (18.9 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Early, Late & Bacterial Blights	2.0 (1.0 lbs of metallic equivalent)	7	Apply as soon as plants are first established in the field, then every 7 days or longer depending on severity and weather.

Apply as soon as plants are first established in the field, then every 7 days or longer depending on severity and weather.

RESTRICTIONS: Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 10.0 lbs/A (5.0 lbs metallic copper equivalent)

DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETIREMENT INTERVAL	COMMENT
Septoria Leaf Blotch Helminthosporium Spot Blotch	1.0 (0.5 lbs of metallic equivalent)	10	Make first application at early heading and follow with second application 10 days later.

Make first application at early heading and follow with second application 10 days later.

RESTRICTIONS: Maximum single application rate is 1.0 lb/A (0.50 lbs metallic copper equivalent) Maximum annual application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent)

DISEASE</

GINSENG			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Alternaria Leaf Stem Blight	2.1 (1.05 lbs of metallic equivalent)	7	Begin tank mix applications as a tank mix with two pounds of Iprodione 50WP in 100 gallons of water per acre as soon as plants have emerged in spring. Applications should be repeated every seven days until plants become dormant in fall. Apply fungicides at least eight hours before rain, giving the fungicides time to dry on the plants. Use of a spreader-sticker is advised. NOTE: Alternaria Leaf and Stem Blight is most severe in humid conditions such as those found in the dense canopies of two, three, and four year old ginseng. Complete and thorough spray is required for control.
RESTRICTIONS Maximum single application rate is 2.1 lbs/A (1.05 lbs metallic copper equivalent) Maximum annual application rate is 10.5 lbs/A (5.25 lbs metallic copper equivalent)			

GRAPES			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Black Rot Powdery Mildew Downy Mildew Phomopsis	2.0 – 6.0 (1.0 – 3.0 lbs of metallic equivalent) (Use a Maximum of 2 lbs/acre in California)	3	Begin applications at late dormant up to bud break with subsequent applications throughout the season depending upon disease severity. NOTE: Foliage injury may occur on copper sensitive varieties such as Concord, Delaware, Niagara, and Rosettes. Either test for sensitivity or add 1 to 3 pounds of hydrated lime per pound of NI-COP® 50 DF.
RESTRICTIONS Maximum single application rate is 6.0 lbs/A (3.0 lbs metallic copper equivalent) Maximum annual application rate is 40.0 lbs/A (20.0 lbs metallic copper equivalent)			

GUAVA			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose Red Algae	2.45 (1.22 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 2.45 lbs/A (1.22 lbs metallic copper equivalent) Maximum annual application rate is 9.8 lbs/A (4.9 lbs metallic copper equivalent)			

16

MANGO			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	4.0 – 6.4 (2.0 – 3.2 lbs of metallic equivalent)	7	Repeat on 7 – 30 day schedule as disease severity and environmental conditions dictate. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 6.4 lbs/A (3.2 lbs metallic copper equivalent) Maximum annual application rate is 96.0 lbs/A (48.0 lbs metallic copper equivalent)			

OKRA			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose Bacterial Leaf Spot Leaf Spots Pod Spots Powdery Mildew	1.0 – 2.1 (0.5 – 1.05 lbs of metallic equivalent)	5	Begin treatment when disease first threatens and repeat every 5 to 10 days or as needed depending on disease severity. Use the higher rates and shorter spray intervals when conditions favor disease.
RESTRICTIONS Maximum single application rate is 2.1 lbs/A (1.05 lbs metallic copper equivalent) Maximum annual application rate is 10.5 lbs/A (5.25 lbs metallic copper equivalent)			

OLIVES			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Peacock Spot Eye Knot	5.0 – 12.0 (2.5 – 6.0 lbs of metallic equivalent) Use a minimum of 8 lbs/acre in California	30	Apply before winter rains fall. A second application in early spring should be made if disease is severe. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 12.0 lbs/A (6.0 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

ONION & GARLIC			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Purple Blotch Downy Mildew Leaf Spots Bacterial Blight	2.0 (1.0 lbs of metallic equivalent) 1.0 – 1.5 (0.5 – 0.75 lbs of metallic equivalent)	7	Begin when plants are 4 to 6 inches high and repeat at 7 to 10 day intervals as needed depending upon disease pressure. Can cause phytotoxicity to leaves.
RESTRICTIONS Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 12.0 lbs/A (6.0 lbs metallic copper equivalent)			

19

PEAS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Powdery Mildew	1.5 (0.75 lbs of metallic equivalent)	7	Begin spray treatment when disease symptoms first appear. Repeat applications at weekly intervals.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lbs metallic copper equivalent) Maximum annual application rate is 7.5 lbs/A (3.75 lbs metallic copper equivalent)			

PECANS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Shuck and Kernel rot (<i>Phytophthora cactorum</i>) Zonate leaf spot (<i>Cristulariella pyramidalis</i>)	2.0 – 4.2 (1.0 – 2.1 lbs of metallic equivalent)	14	Apply in sufficient water for good coverage at 2-4 week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorter intervals if frequent rainfall occurs.
Mosses Algae Lichen	See Comment	Make only one application per year	Mix 2 lbs per 100 gallons spray plus spreader-sticker on a dilute spray basis and apply in dormant season before buds swell, thoroughly wetting limbs and mosses.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 16.8/A (8.4 lbs metallic copper equivalent)			

PEPPERS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Spot	1.5 (0.75 lbs of metallic equivalent)	3	Apply, when disease threatens, in sufficient water to provide adequate coverage. Use at 3 to 14 day intervals depending on disease severity.
RESTRICTIONS Maximum single application rate is 1.5 lbs/A (0.75 lbs metallic copper equivalent) Maximum annual application rate is 23.5 lbs/A (11.75 lbs metallic copper equivalent)			

22

STRAWBERRIES			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew Leaf Spot Leaf Blight	1.0 – 3.0 (1.0 – 1.5 lbs of metallic equivalent) (Use a minimum of 2 lbs/acre in California)	7	Begin application when plants are established and continue on a weekly schedule throughout season. Apply in at least 20 gallons of water. Use the higher rates when conditions favor disease. NOTE: Discontinue applications if signs of phytotoxicity appear.
RESTRICTIONS Maximum single application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

ATEMOKA, SUGAR APPLE (Annona)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	6.3 (3.15 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 6.3 lbs/A (3.15 lbs metallic copper equivalent) Maximum annual application rate is 25.2 lbs/A (12.6 lbs metallic copper equivalent)			

SUGAR BEETS & TABLE BEETS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Cercospora Leaf Spot	2.45 (1.22 lbs of metallic equivalent)	10	Begin applications when conditions first favor disease development and repeat at 10 to 14 day intervals as needed.
RESTRICTIONS Maximum single application rate is 2.45 lbs/A (1.22 lbs metallic copper equivalent) Maximum annual application rate is 15.0 lbs/A (7.5 lbs metallic copper equivalent)			

25

GREENHOUSE AND SHADEHOUSE CROPS			
CROP	DISEASE	RATE Ounces/1,000 sq.ft.	COMMENTS
Eggplant	Alternaria Blight, Anthracnose, Phomopsis	0.2 to 0.5	Begin applications prior to development of disease symptoms. Repeat sprays at 7 to 10 day intervals as needed depending on disease pressure.
Pepper	Bacterial Spot	0.2 to 0.5	Begin applications when conditions first favor disease development and repeat at 5 to 10 day intervals as needed depending on disease severity. Use higher rates for severe disease.
Cucumber	Angular Leaf Spot, Downy Mildew	0.4 to 0.77	Apply weekly when plants begin to vine.
Tomato	Early Blight, Late Blight	0.2 to 0.4	Begin when disease first threatens and repeat at 3 to 10 day intervals or as needed depending on disease severity. Use higher rates for severe disease.
	Bacterial Speck	0.2 to 0.4	Begin applications when disease first threatens and repeat at 3 to 10 day intervals or as needed depending on disease severity.
	Bacterial Spot, Anthracnose, Gray Leaf Mold, Septoria Leaf Spot	0.2 to 0.4	Begin when disease first threatens and repeat at 3 to 10 day intervals or as needed depending on disease severity. Use higher rates for severe disease.

28

ORNAMENTALS			
CROP	DISEASE	RATE Ounces/1,000 sq.ft.	COMMENTS
	Juniper (Eastern Red Cedar)/Antracnose Lantana/Bacterial Leaf Spot Lilac/Cercospora Leaf Spot Lobelia/Bacterial Spot Liquorice/Entomospirium maculata, Colletotrichum sp. Magnolia (Southern)/Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot Mandevilla/Anthracnose Mangrove/Alternaria Leaf Spot, Botrytis Leaf and Flower Rot, Cercospora Leaf Spot Mulberry, Weeping/Bacterial Leaf Spot Oak, Laurel/Algal Leaf Spot (Cephalosporium virescens) Oleander/Bacterial Leaf Spot, Fungal Leaf Spot Pachyrhizus/Palmella Leaf Blight Pansy/Downy Mildew Pear (Flowering)/Frieblight, Leaf Spot Pentas (Egyptian Star)/Bacterial Leaf Spot (Xanthomonas sp.) Peony/Botrytis Blight Periwinkle/Phomopsis Stem Blight Philodendron/Bacterial Leaf Spot Pilea/Alternaria Leaf Spot Photinia (Red Tip)/Anthracnose, Entomospirium Leaf Spot Pyracantha/Frieblight & Scab Queen Palm/Exosporium Leaf Spot, Phytophthora Bud Rot Rhododendron/Alternaria Flower Spot Rose/Powdery Mildew, Black Spot Verberna/Xanthomonas Leaf Spot Viburnum/Anthracnose Washingtonia Palm/Pestalotia Leaf Spot Weeping Willow/Anthracnose Yucca (Adams Needle)/Cercospora & Septoria Leaf Spot		• Discoloration of foliage and/or blooms have been noted on some varieties. To prevent residues on commercial plants, do not spray just before selling season. • For Eastern Lily, use 2.0 – 5.0 lbs product per 100 gallons. • Restricions (Ester Lily) • Minimum retreatment interval is 7 days. • Maximum application rate is 5.0 lbs/A (2.5 lbs metallic copper equivalent) • Maximum annual application rate is 150 lbs/A (75 lbs metallic copper equivalent) • Do not apply any additional copper pesticide to this land for 36 months.

29

ORNAMENTALS			
CROP	DISEASE	RATE Ounces/1,000 sq.ft.	COMMENTS
	Artemisia (Rose of Sharon)/Bacterial Leaf Spot Asteria/Xanthomonas & Cercospora Leaf Spots, Alternaria Arbutus/Alternaria Twig Blight, Cercospora Leaf Blight Azalea/Cercospora Leaf Spot, Botrytis Blight, Phytophthora Dieback & Powdery Mildew Begonia/Xanthomonas Leaf Spot, Anthracnose Bougainvillea/Anthracnose, Bacterial Leaf Spot Bulbs (Easter Lily, Tulip, Gladiolus)/Anthracnose, Botrytis Blight Camellia/Anthracnose, Bacterial Leaf Spot Campanula/Anthracnose, Leaf Spot Canna/Pseudomonas Leaf Spot Carnation/Alternaria Blight, Pseudomonas Leaf Spot, & Botrytis Blight Chinese Yarrow Tree/Bacterial Leaf Spot (Xanthomonas sp., Pseudomonas sp.) Cissampelos/Septoria Leaf Spot & Botrytis Blight Cottonaster/Botrytis Blight Dahlia/Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot Date Palm/Pestalotia Leaf Spot Dianthus/Bacterial Spot, Bacterial Soft Rot Dogwood/Anthracnose Dusty Miller/Bacterial Leaf Spot (Pseudomonas cichorii) Echinacea/Bacterial Leaf Spot (Pseudomonas cichorii) Elm 'Drake'/Xanthomonas Leaf Spot Euonymus/Botrytis Blight & Anthracnose European Palm/Pestalotia Leaf Spot Gardenia/Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot Geranium/Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot Gladiolus/Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot Golden Rain Tree/Bacterial Leaf Spot Hibiscus/Bacterial Leaf Spot Holly Fern/Pseudomonas Leaf Spot Impatiens/Bacterial Leaf Spot India Hawthorn (greenhouse)/Entomospirium Leaf Spot Ivy/Xanthomonas Leaf Spot Ixora/Xanthomonas Leaf Spot		• Notice to User: Plant sensitivities to NI-COP® 50 DF have been found to be acceptable in specific genera and species listed on this label; however, phytotoxicity may occur. Due to the large number of species and varieties of ornamentals and nursery plants, it is recommended to test every one for sensitivity to NI-COP® 50 DF. Neither the manufacturer nor seller has determined whether or not NI-COP® 50 DF can be safely used on ornamental or nursery plants not listed on this label. The user should determine if NI-COP® 50 DF can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e., bedding plants, foliage, etc., and observe for 7-10 days for symptoms of phytotoxicity prior to commercial use. • Use NI-COP® 50 DF on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, for professional use on ornamentals grown for indoor and outdoor landscaping, and for control of bacterial and fungal diseases of foliage, flowers and stems. • Apply as a thorough coverage spray using 1.0 lbs product per 100 gallons of water. Begin application at first sign of disease and repeat at 7 to 14 day intervals as needed, use shorter interval during periods of frequent rains or when severe disease conditions persist. • NI-COP® 50 DF may be used as a maintenance spray alone or in combination with other fungicides such as the dithiocarbamates. • Ornamentals Restrictions: • Minimum retreatment interval is 7 days. • Maximum single application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent) • Maximum annual application rate is 40.0 lbs/A (20 lbs metallic copper equivalent)

30

HOPS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew	1.0 (0.5 lbs of metallic equivalent)	10	Apply as a fungicide crown treatment (after pruning, but before training) as needed. After training, additional fungicide treatments are needed at 10 day intervals. Discontinue use 2 weeks before harvest.
RESTRICTIONS Maximum single application rate is 1.0 lb/A (0.5 lbs metallic copper equivalent) Maximum annual application rate is 5.0 lbs/A (2.5 lbs metallic copper equivalent)			

KWI			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Pseudomonas syringae Pseudomonas fluorescens	4.2 (2.1 lbs of metallic equivalent)	30	Make applications on a monthly basis. A maximum of 3 applications may be made.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 12.6 lbs/A (6.3 lbs metallic copper equivalent)			

LETTUCE, ENDIVE & ESCAROLE			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Downy Mildew	1.0 – 2.0 (0.5 – 1.0 lbs of metallic equivalent)	5	Begin treatment when disease first appears and repeat every 5 - 10 days as needed to suppress disease.
NOTE: Flecking and/or yellowing of leaves will occur under certain environmental conditions such as extended periods of moist weather, acid rains, or other conditions favoring reduced pH on leaf surfaces. Injury may be severe enough to reduce crop value. Increasing the volume of spray water may decrease phytotoxicity potential.			
RESTRICTIONS Maximum single application rate is 2.0 lbs/A (1.0 lb metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

LITCHI			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	2.4 (1.2 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 2.4 lbs/A (1.2 lbs metallic copper equivalent) Maximum annual application rate is 9.6 lbs/A (4.8 lbs metallic copper equivalent)			

PAPAYA			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	4.0 – 5.3 (2.0 – 2.63 lbs of metallic equivalent)	14	Begin application before disease is expected to appear. Repeat at 14 day intervals. Use the higher rates when conditions favor disease. The addition of a suitable spreader-sticker may be desirable especially during periods of heavy rains.
RESTRICTIONS Maximum single application rate is 5.3 lbs/A (2.63 lbs metallic copper equivalent) Maximum annual application rate is 42.4 lbs/A (21.2 lbs metallic copper equivalent)			

PARSLEY			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Bacterial Blight (<i>Pseudomonas</i> sp.)	2.0 (1.0 lbs of metallic equivalent)	10	Begin applications when plants are first established in the field and repeat at 10 day intervals depending upon disease severity and environmental conditions.
RESTRICTIONS Maximum single application rate is 2.0 lbs/A (1.0 lbs metallic copper equivalent) Maximum annual application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent)			

PASSION FRUIT			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	4.7 (2.35 lbs of metallic equivalent)	7	Make initial application just before flowering and repeat on a weekly schedule until just before harvest. Apply in sufficient water for thorough coverage.
RESTRICTIONS Maximum single application rate is 4.7 lbs/A (2.36 lbs metallic copper equivalent) Maximum annual application rate is 18.8/A (9.4 lbs metallic copper equivalent)			

PASTACHIOS			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Botrytis Blight, Botrytis/Aspergillus Parvula, Shoot Blight, Septoria (Bacterial Blight), Late Blight (Alternaria)	3.0 – 4.2 (1.5 – 2.1 lbs of metallic equivalent)	14	Make initial application at bud swell and repeat on a 14 - 28 day schedule. Use higher rates when conditions favor disease.
RESTRICTIONS Maximum single application rate is 4.2 lbs/A (2.1 lbs metallic copper equivalent) Maximum annual application rate is 16.8 lbs/A (8.4 lbs metallic copper equivalent)			

PLUMS & PRUNES			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Dormant, Late Dormant, Up to Pink Bud Coryneum blight (Shot Hole)	8.0 – 16.0 (4.0 – 8.0 lbs of metallic equivalent)	7	Apply as a dormant spray. Use the higher rate when rainfall is heavy and/or disease pressure is high.
Bloom & Growing Season: (Not For Use in California unless accompanied by a supplemental label)	3.0 (1.5 lbs of metallic equivalent)	5	Apply full cover application at pink, red or early white bud stage.
RESTRICTIONS Maximum single dormant season application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent) Maximum single growing season application rate is 3.0 lbs/A (1.5 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

POME FRUIT (Apple, Loquat, Pear, Quince)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Fall & Late Dormant: Antracnose Blossom & Shoot Blight (Pseudomonas) European Canker Shoot Blight	12.0 – 16.0 (6.0 – 8.0 lbs of metallic equivalent)	Only one dormant application allowed per season	Apply before fall rains. Use on yellow varieties may cause discoloration. To avoid, pick before spraying.
Between silver-tip and green-tip: Apple Scab*, Frieblight *Not For Use in California unless accompanied by a supplemental label	4.0 – 12.0 (2.0 – 6.0 lbs of metallic equivalent)	Only one application allowed per season	ATTENTION: Phytotoxicity may occur from late application. (Discontinue use when green-tip is 1/2 inch.)
RESTRICTIONS Maximum single application rate is 12.0 lbs/A (6.0 lbs metallic copper equivalent) Maximum annual application rate is 36.0 lbs/A (18.0 lbs metallic copper equivalent)			

POTATOES			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early & Late Blight	1.0 – 5.0 (0.5 – 2.5 lbs of metallic equivalent) Use a maximum of 4 lbs/acre in California	5	Apply 1.0 - 1.5 pounds product at 5 to 10 day intervals starting when plants are 2 - 6 inches high until 2 weeks before harvest in locations where disease is light and up to 3 to 5 pounds per acre where disease is more severe. Under conditions of severe disease, control with NI-COP® 50 DF will be improved by tank mixing with other compatible fungicides registered for use on potatoes. Read and follow all label instructions of tank mix partners.
RESTRICTIONS Maximum single application rate is 5.0 lbs/A (2.5 lbs metallic copper equivalent) Maximum annual application rate is 50.0 lbs/A (25.0 lbs metallic copper equivalent)			

23

(Continued)

SYCAMORE			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Antracnose	2.0 – 4.0 (1.0 – 2.0 lbs of metallic equivalent) (Use a maximum of 3 lbs/acre in California)	7	Make two applications as a full cover spray. Use a minimum of 100 gallons water per acre. Make first application at bud break and second application 7 to 14 days later at 10% leaf expansion.
RESTRICTIONS Maximum single application rate is 4.0 lbs/A (2.0 lbs metallic copper equivalent) Maximum annual application rate is 40.0 lbs/A (20.0 lbs metallic copper equivalent)			

TOMATOES (Processing Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	1.0 (0.5 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 1.0 lb/A (0.5 lbs metallic copper equivalent) Maximum annual application rate is 34.5 lbs/A (17.25 lbs metallic copper equivalent)			

TOMATOES (Fresh Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	3.2 (1.6 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 3.2 lbs/A (1.6 lbs metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

TOMATOES (Processing Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	3.2 (1.6 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 3.2 lbs/A (1.6 lbs metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

26

TOMATOES (Processing Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	3.2 (1.6 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 3.2 lbs/A (1.6 lbs metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

29

TOMATOES (Processing Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	3.2 (1.6 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe.
RESTRICTIONS Maximum single application rate is 3.2 lbs/A (1.6 lbs metallic copper equivalent) Maximum annual application rate is 16.0 lbs/A (8.0 lbs metallic copper equivalent)			

29

TOMATOES (Processing Market)			
DISEASE	APPLICATION RATE (lbs of product/Acre)	MINIMUM DAYS RETREATMENT INTERVAL	COMMENT
Early Blight Bacterial Speck Bacterial Spot Anthracnose Gray Leaf Mold Septoria Leaf Spot Late Blight	3.2 (1.6 lbs of metallic equivalent)	3	When disease threatens, apply at 7 - 10 day intervals, more frequently when disease is severe