



67702-2

4.9.2003

1/31

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 67702-2	2. EPA Product Manager Dennis McNeilly	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NEU1140F Copper Soap	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) W. Neudorff GmbH KG c/o Walter G. Talarek, PC 1008 Riva Ridge Drive Great Falls, VA 22066-1620 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION APR 09 2003
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification of alternate brand name, i.e., Cueva Fungicide Concentrate, and minor label changes consistent with PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Walter G. Talarek		Title Authorized Agent	
		Telephone No. (Include Area Code) 703-759-4807	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Authorized Agent	
4. Typed Name Walter G. talarek		5. Date April 2, 2003	

2/31

LAW OFFICES OF
WALTER B. TALAREK, P.C.
1008 RIVA RIDGE DRIVE
GREAT FALLS, VIRGINIA 22066

PHONE: (703) 759-4837
FAX: (703) 759-5548

April 2, 2003

DELIVERED BY COURIER

Dennis McNeilly
Product Manager, Team 22
Registration Division
c/o Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22022

Re: Notification on NEU1140F Copper Soap; EPA Reg. No. 67702-2

Dear Mr. McNeilly:

On behalf of W. Neudorff GmbH KG ("Neudorff"), I am forwarding a notification concerning NEU1140F Copper Soap, EPA Reg. No. 67702-2. This notification is being made under PR Notice 98-10.

The enclosed notification accomplishes two things: first, it adds an alternate brand name, i.e., "Cueva Fungicide Concentrate"; and, second, it makes certain minor label changes consistent with PR Notice 98-10. The alternate brand name and all changes to the current label are outlined in yellow in the enclosed label.

Specifically, the minor label changes being made are as follows:

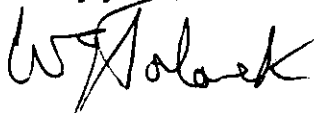
1. On page 27, Neudorff's logo has been added as an optional statement;
2. On page 27, Neudorff's WEB address has been added as an optional statement;
3. On page 27, "Contains Cueva™ Fungicide Concentrate, a trademark of W. Neudorff GmbH KG" has been added as an optional statement;
4. On page 27, "Made with Cueva™ Fungicide Concentrate, a trademark of W. Neudorff GmbH KG" has been added as an optional statement; and
5. On page 27, "Cueva™ is a trademark of W. Neudorff GmbH KG" has been added as an optional statement.

Please note that this notification incorporates the label changes made by the notification dated October 4, 2000.

A copy of the last stamped-approved label on file with EPA also is enclosed.

If you have any questions about this notification, please feel free to contact me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'W. Talarek', with a long horizontal stroke extending to the right.

Walter G. Talarek

Attachments

CUEVA FUNGICIDE CONCENTRATE

Active Ingredient:

Copper Octanoate (Copper Soap)	10.0%
Inert Ingredients	90.0%
Total	100.0%
metallic copper equivalent	1.8%

NOTIFICATION

EPA REG. NO. 67702-2
Net Contents:

EPA EST. 67702-WG-1

APR 09 2003

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
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.
IF ON SKIN	-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 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 by a poison control center or doctor. -Do not give anything by mouth to an unconscious person
IF INHALED	-Move person to fresh air. -If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. -Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

PRECAUTIONARY STATEMENTS - Household

Hazards to Humans and Domestic Animals

Caution: Harmful if swallowed, absorbed through skin or inhaled. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards

This product may be toxic to fish and aquatic organisms. Do not apply directly to water. Do not contaminate water by disposal of equipment washwaters.

PRECAUTIONARY STATEMENTS - Commercial Agriculture

Hazards to Humans and Domestic Animals

Caution: Harmful if swallowed, absorbed through skin or inhaled. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE) Requirements: Applicators and other handlers must wear: long-sleeved shirts, long pants, waterproof gloves, and shoes plus socks.

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

User Safety Recommendations - Commercial Agriculture

Users should:

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

Environmental Hazards

This product may be toxic to fish and aquatic organisms. 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 by disposal of equipment washwaters.

STORAGE AND DISPOSAL - Commercial Agriculture

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

Storage

Store in a secure place, away from open fire or flame. Keep container closed and reseal after use. Product may be damaged by freezing. Do not store product below 4°C. If spilled, use absorbent materials and dispose of in an approved manner.

Disposal

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

Container Disposal: Triple rinse container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

STORAGE AND DISPOSAL - Household

Storage

Store in a secure place, away from open fire or flame. Keep container closed and reseal after use. Product may be damaged by freezing. Do not store product below 4°C. If spilled, use absorbent materials and dispose of in an approved manner.

Disposal

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call you local solid waste agency or 1-800-CLEAN-UP for disposal instructions. Never place unused product down any indoor or outdoor drain.

DIRECTIONS FOR USE - Commercial Agriculture

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 manner that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Read and follow all applicable directions and precautions on this label before using.

DIRECTIONS FOR USE - Household

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

Read and follow all applicable directions and precautions on this label before using.

Agricultural Use Requirements

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

Entry-Restrictions: Do not enter or allow worker entry into treated areas during the restricted-entry interval of 4 hours.

PPE required for early-entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: coveralls, shoes, socks and waterproof gloves.

Conflicting Instructions: If the requirements of the WPS conflict with instructions listed elsewhere on this product label, users must obey the more protective requirements.

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.

Keep unprotected persons out of treated areas until sprays have dried.

For early reentry to treated areas and that involves contact with anything that has been treated such as plants, soil, or water, wear: coveralls, shoes, socks and waterproof gloves.

DIRECTIONS FOR USE - COMMERCIAL AGRICULTURE

Tank Mixing CUEVA FUNGICIDE CONCENTRATE with Other Pesticides

Read and follow all applicable directions and precautions on the label of other products, before mixing with CUEVA FUNGICIDE CONCENTRATE.

CUEVA FUNGICIDE CONCENTRATE can be applied up to day of harvest. When tank-mixed with products, do not apply that product closer to harvest than is permitted or stated on the other product's label.

Pour **CUEVA FUNGICIDE CONCENTRATE** into spray tank at least half filled with water using adequate agitation. When mixed with other products proven or known to be compatible, wettable powders should be added first, followed in order by flowables (such as **CUEVA FUNGICIDE CONCENTRATE**), and then emulsifiable concentrates.

CUEVA FUNGICIDE CONCENTRATE can be mixed with Bravo® (WP, 720, 500), captan, Daconil® 2787, Ferbam, maneb (WP or Flowable), Dithane® M-45, Manzate® 200, sulfur (wetable or flowable), organo phosphates, Thiodan®, *Bacillus thuringiensis* Berliner, Guthion®, Pydrin®, Diazinon®, malathion for use on the crops listed on this label, in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Do not mix **CUEVA FUNGICIDE CONCENTRATE** with oil when applied to citrus. Do not mix **CUEVA FUNGICIDE CONCENTRATE** with chelated or liquid fertilizers. Use caution when using product with other fungicides and insecticides. Observe all cautions and limitations on all products used in mixtures.

Directions for use on Fruit and Field Crops

Do not apply this product through any type of irrigation system.

Shake well before use. Most conventional liquid pesticide plant sprayers can be used to apply **CUEVA FUNGICIDE CONCENTRATE** to plants. A spreader may be used to improve the spreading of **CUEVA FUNGICIDE CONCENTRATE** on hard to wet plants.

BEAN, PEA

Anthracnose, Ascochyta leaf and pod spot, Bacterial blights (halo, common and brown spot), Downy mildew, Gray mold

Mix 0.5 to 2.0 gallons of **CUEVA FUNGICIDE CONCENTRATE** with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of **CUEVA FUNGICIDE CONCENTRATE**, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

White mold (Sclerotinia)

To prevent floral infection, apply CUEVA FUNGICIDE CONCENTRATE at 25% bloom. Use 1.0 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE in 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre.

BEET, CHARD, SPINACH**Cercospora leaf spot, Downy mildew, White rust**

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery Mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

CARROTS

Alternaria leaf blight, Bacterial leaf blight, Cercospora leaf blight

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

CELERY AND CELERIAC

Bacterial leaf spot, Cercospora (early) blight, Septoria (late) blight

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

CITRUS (Grapefruit, Lemon, Lime, Orange, Pummelo, Tangerine)

Melanose, greasy spot, citrus scab, alternaria brown spot

Mix 0.5 to 2.0 gallons CUEVA FUNGICIDE CONCENTRATE in 10 gallons of water and apply to one acre by aircraft. Use 0.5 to 2.0 gallons in 100 gallons of water if applied by ground spray. Apply 1 to 3 weeks after petal fall. Repeat every 2 weeks if necessary until the fruit is 3 inches in diameter. Do not mix CUEVA FUNGICIDE CONCENTRATE with oil when applied on any citrus.

Red alga (Florida), Melanose on fruit

Mix 0.5 to 2.0 gallons in 100 gallons of water when applied as a dilute ground spray. Apply in spring as a preventive spray. Repeat in late summer to control new algal colonies. Do not mix with oil when applying on citrus.

CORN

Southern leaf blight, Cercospora leaf spot

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and

repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

CRUCIFER CROPS (Broccoli, Brussel sprouts, Canola, Cauliflower, Cabbage, Kale, Kohlrabi, Mustard, Pak-Choi, Rape, Rutabaga, Turnip)

Alternaria blight, Bacterial leaf spot, Downy mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

White mold (Sclerotinia)

To reduce floral infection, apply CUEVA FUNGICIDE CONCENTRATE at 25% bloom. Use 0.5 to 2.0 gallons per acre in sufficient water for adequate coverage, usually 5 to 10 gallons per acre by aircraft or 50 to 100 gallons per acre by ground equipment.

CUCURBITS (Cucumbers, cantaloupe, squash, pumpkin, zucchini)

Alternaria blight, scab, Angular leaf spot, Anthracnose, Downy mildew, Gray mold, Scab, Ulocladium leaf spot

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy

rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

For cucumbers grown in a greenhouse, apply CUEVA FUNGICIDE CONCENTRATE 2 times per week in the first 2 weeks after emergence, followed by sprays every 7 days.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application. On plants that are very susceptible to powdery mildew, such as greenhouse-grown cucumber, it is best to spray the plants twice a week during the first 2 weeks after emergence, and weekly thereafter. On outdoor plants, re-apply after rain.

CURRENT AND GOOSEBERRY

Anthrachnose, Phyllosticta and Septoria leaf spots

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

GINSENG

Alternaria blight, Botrytis blight, Phytophthora, mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

GRAPES

Note: Do not mix CUEVA FUNGICIDE CONCENTRATE with lime. Certain Vinifera and French Hybrid varieties may be sensitive to copper sprays resulting in marginal leaf burn. Before spraying these varieties, consult your State Experiment Station or make test sprays.

Downy mildew, Black rot, Phomopsis Cane and Leaf Spot, Powdery mildew

Mix 0.5 to 2.0 gallons per 100 gallons of water and apply to one acre. For best control begin treatment when new growth reaches ½ inch and repeat at 7 to 14 day intervals throughout the growing season.

Gray mold

Mix 0.5 to 2.0 gallons per 100 gallons of water and apply to one acre. For best control begin treatment at the end of bloom and repeat at 7 to 14 day intervals until 3 weeks before harvest.

HOP**Anthracnose, Cercospora leaf spot, Downy mildew**

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

LETTUCE, CHICORY, ENDIVE

Downy mildew, Septoria leaf spot

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Powdery mildew

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Bacterial soft rot and bottom rot

Mix 0.5 to 2.0 gallons in 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Begin treatment before disease is expected or when weather conditions favor disease development. Repeat every 7 to 10 days as needed. Use lower rate when disease pressure is low or on copper sensitive varieties of lettuce.

ONION, GARLIC, LEEK, SHALLOT, CHIVES

Botrytis leaf blight, Downy mildew, Neck rot and Bacterial soft rot

Mix 0.5 to 2.0 gallons of **CUEVA FUNGICIDE CONCENTRATE** with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of **CUEVA FUNGICIDE CONCENTRATE**, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

PARSLEY

Leaf scorch, Leaf spot

Mix 0.5 to 2.0 gallons of **CUEVA FUNGICIDE CONCENTRATE** with 50 to 100 gallons of water and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of **CUEVA FUNGICIDE CONCENTRATE**, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

PEANUTS

Sclerotinia blight

Mix 0.5 to 2.0 gallons of **CUEVA FUNGICIDE CONCENTRATE** with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. Make first application at first bloom and repeat every 7 to 14 days until harvest. Use higher rates of **CUEVA FUNGICIDE CONCENTRATE** where Sclerotinia blight infection is expected to be heavy.

Leaf spots (early and late), web blotch

Mix 0.5 to 2.0 gallons of **CUEVA FUNGICIDE CONCENTRATE** with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. Begin spray when disease first appears, or for best control begin early, usually 25 to 40 days after emergence and repeat at 10 to 14 days until harvest.

POME FRUIT TREES (Apple, Pear, Quince)

NOTICE: **CUEVA FUNGICIDE CONCENTRATE** as used in this recommendation may cause russetting of Golden Delicious and similar susceptible apple varieties. Mild russetting of other varieties may occur.

Preferred use is on non-bearing or processing varieties where russetting is not a concern. On apples, do not exceed the rate of 1.0 gallon of Cueva Fungicide Concentrate per 100 gallons of water.

Anthracnose

Use 0.5 to 2 gallons of CUEVA FUNGICIDE CONCENTRATE per 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Apply in mid-July.

Cedar Apple Rust, Quince Rust,

Use 0.5 to 2 gallons of CUEVA FUNGICIDE CONCENTRATE per 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Apply every 7 to 10 days from the pink bud stage until 30 days after petal fall. The disease can also be reduced by removing nearby eastern red cedar plants (*Juniperus virginiana* L.) On juniper, cedar apple rust can be controlled by spraying plants at least 4 times between late August and late October.

Fireblight

Use 0.5 to 2 gallons of CUEVA FUNGICIDE CONCENTRATE per 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Spray at silver tip and bud break and repeat on 3 to 5 day intervals as needed, up to petal fall. Use the lower rate if disease pressure is light and higher rate when conditions favor heavy disease pressure.

Scab, Sooty Blotch and Flyspeck

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

SMALL FRUITS (Blackberry, Blueberry, Raspberry, Strawberry)

Gray mold, Mucor fruit rot, Rhizopus fruit rot

Use 0.5 to 2.0 gallons in 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Apply at the start of flowering and continue every 7 to 10 days until harvest.

STONE FRUIT TREES (Almond, Apricot, Cherry, Nectarine, Peach, Plum)**Bacterial canker (*Pseudomonas syringae*), brown rot blossom blight, leaf and fruit spots**

Mix 0.5 to 2 gallons per 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. For bacterial canker, apply as a dormant spray as buds begin to swell, repeating at the bud burst stage, and weekly thereafter as needed, up to six sprays. In the fall spray again at 10 and 80% leaf fall. For brown rot blossom blight apply full cover spray at delayed dormant (bud swell), popcorn, full bloom and petal fall stages. During wet weather additional bloom sprays may be necessary.

Bacterial spot

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

Anthraxnose, Coryneum blight, Peach Leaf Curl

Use 0.5 to 2.0 gallons in 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Apply as a dormant spray in late fall during a period of dry weather.

STRAWBERRY**Angular leaf spot, Leaf scorch, Mycosphaerella leaf spot, Phomopsis leaf blight, Powdery mildew, Septoria leaf spots**

Use 0.5 to 2.0 gallons in 100 gallons of water and apply to one acre. Spray 1 month after planting (or before flowering on established plants) and twice more at 7 to 10 day intervals.

Anthraxnose fruit rot, Gray mold

Use 0.5 to 2.0 gallons in 100 gallons of water and apply to one acre. Apply at the start of flowering and continue every 7 to 10 days until harvest.

TOBACCO

Blue Mold (Downy Mildew)

CUEVA FUNGICIDE CONCENTRATE can be used on tobacco in transplant beds or on field grown plants. For transplant beds mix 0.5 to 2.0 gallons with 50 to 100 gallons of water and thoroughly spray all leaf surfaces. For field grown plants mix 0.5 to 2.0 gallons with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application.

TOMATO, POTATO, EGGPLANT, PEPPER

Anthracnose, Bacterial speck, Bacterial spot, Cercospora leaf spot, Early blight, Gray mold, Late blight, Leaf mold, Septoria leaf spot

Mix 0.5 to 2.0 gallons of CUEVA FUNGICIDE CONCENTRATE with 50 to 100 gallons of water for application by ground equipment or with 2 to 5 gallons of water for application by aircraft, and apply to one acre. Use sufficient water to ensure good coverage. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Use the 2.0 gallon rate of CUEVA FUNGICIDE CONCENTRATE, applied every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. If possible, time applications so that 12 hours of dry weather follow application. Use 2.0 gallons CUEVA FUNGICIDE CONCENTRATE in 50 to 100 gallons of water when spraying to control late blight.

WALNUTS**Blight**

Mix 0.5 to 2.0 gallons per 100 gallons of water and apply at 500 gallons per acre in mature orchards. Make first application when leaflets start to unfold (prior to, but not later than, 1% pistulate bloom) and repeat weekly as needed, especially until seasonal rainfall stops. When rain threatens, additional applications are important, applied before or immediately after the rain.

Directions for Use on Ornamentals and Turf

Shake well before use.

ORNAMENTAL PLANTS

The ornamental species listed below may be treated with CUEVA FUNGICIDE CONCENTRATE. The diseases controlled have been designated with the following codes.

Code	Common name	Causal Pathogen
ANTH	Anthracnose	<i>Colletotrichum, Glomerella</i>
BOT	Botrytis blight	<i>Botrytis cinerea</i>
BLS	Bacterial leaf spot and blight	<i>Erwinia, Pseudomonas, Xanthomonas</i>
DM	Downy mildew	<i>Plasmopara</i>
LEAFSPOT	Leaf spot (fungal)	<i>Acremonium, Alternaria, Cephalosporium, Cercospora, Colletotrichum, Corynespora, Curvularia, Dactylaria, Drechslera, Exserohilium, Glomerella, Myrothecium, Phyllosticta, Phytophthora</i>
PM	Powdery mildew	<i>Oidium</i>
RHIZC	Rhizoctonia blight	<i>Rhizoctonia</i>
SOFTROT	Soft rot	<i>Erwinia</i>

Ornamental Plant	Common Name	Diseases Controlled
<i>Aechmea fasciata</i>	Urn plant, bromeliad	ANTH, BLS
<i>Aeschynanthus pulcher</i>	Lipstick vine	BOT, LEAFSPOT
<i>Aglaonema</i> species	Chinese evergreen	ANTH, BLS, LEAFSPOT, RHIZC, BLS, SOFTROT
<i>Anthurium</i> species	Tailflower	ANTH, BLS, LEAFSPOT, RHIZC, SOFTROT
<i>Aphelandra squarrosa</i>	Zebra plant	BOT, LEAFSPOT, RHIZC
<i>Araucaria heterophylla</i>	Norfolk Island pine	Colletotrichum needle blight
<i>Asplenium nidus</i>	Bird's nest fern	BLS
<i>Brassaia actinophylla</i>	Schefflera	ANTH, BLS, LEAFSPOT, RHIZC
<i>Caladium</i> species	Caladium	BLS, RHIZC
<i>Calathea</i> species	Rattlesnake plant	BLS, LEAFSPOT
<i>Caryota mitis</i>	Fishtail palm	BLS, LEAFSPOT
<i>Chamaedorea</i> species	various palms	LEAFSPOT
<i>Chrysalidocarpus lutescens</i>	Areca palm	LEAFSPOT
<i>Cissus</i> species	Grape ivy	ANTH, BOT, DM, PM, RHIZC

<i>Codiaeum variegatum</i>	Croton	ANTH, BLS
<i>Cordyline terminalis</i>	Ti plant	ANTH, LEAFSPOT
<i>Chrysoanthus</i> species	Bromeliad, earthstar	ANTH
<i>Dieffenbachia</i> species	Dieffenbachia	BLS, LEAFSPOT, RHIZC
<i>Dracaena</i> species	Dracaena, Corn plant	BLS, BOT, LEAFSPOT
<i>Epipremnum aureum</i>	Pothos, Devil's ivy	BLS, RHIZC
<i>Euphorbia milii</i>	Euphorbia	RHIZC
<i>Fatsia japonica</i>	Japanese fatsia	BLS, LEAFSPOT, RHIZC
<i>Ficus benjamina</i>	Weeping fig	LEAFSPOT
<i>Ficus elastica</i>	India-rubber tree	LEAFSPOT, BOT
<i>Fittonia verschaffeltii</i>	Nerve plant	RHIZC
<i>Hedra helix</i>	English ivy	ANTH, BLS, BOT, LEAFSPOT, RHIZC
<i>Hoya carnosa</i>	Wax plant	BOT, LEAFSPOT, RHIZC
<i>Maranta leuconeura</i>	Prayer plant	LEAFSPOT
<i>Monstera deliciosa</i>	Swiss cheese plant	BLS, ANTH, RHIZC, SOFTROT
<i>Nephrolepis exaltata</i>	Boston fern	BSL, BOT, RHIZC
<i>Peperomia</i> species	Peperomia	LEAFSPOT, RHIZC
<i>Philodendron</i> species	Philodendron	ANTH, BOT, LEAFSPOT
<i>Pilea</i> species	Aluminum plant	BLS, ANTH, LEAFSPOT, RHIZC
<i>Platynerium bifurcatum</i>	Staghorn fern	BLS, RHIZC
<i>Polyscias</i> species	Aralia	ANTH, BLS, LEAFSPOT
<i>Rhapis</i> species	Ladyfinger palm	LEAFSPOT
<i>Rhoeo spathacea</i>	Oyster plant	LEAFSPOT
<i>Saintpaulia ionantha</i>	African violet	BLS, BOT, LEAFSPOT, PM
<i>Sansevieria triafasciata</i>	Snake plant	BLS, LEAFSPOT
<i>Schefflera arboricola</i>	Dwarf Schefflera	BLS, LEAFSPOT
<i>Schlumbergera</i> species	cactus	LEAFSPOT
<i>Sedum</i> species	Sedum	LEAFSPOT
<i>Spathiphyllum</i> species	Spathe flower	LEAFSPOT, RHIZC
<i>Syngonium podophyllum</i>	Nephtytis	BLS, LEAFSPOT, RHIZC
<i>Yucca</i> species	yucca	LEAFSPOT

CUEVA FUNGICIDE CONCENTRATE can be used for controlling diseases on ornamentals grown under field conditions, in nurseries, greenhouses, interior landscapes and other sites. For control of these diseases on plants grown on a large scale, mix 0.5 to 2.0 gallons in 100 gallons of water, and apply to 1 acre. For plants grown on a small scale, mix 0.5 to 2.0 fluid ounces in 1 gallon of water, and spray all plant surfaces thoroughly. When necessary, repeat sprays every 7 to 10 days. **CUEVA FUNGICIDE CONCENTRATE** may cause some

copper toxicity on some plant species. Before spraying a specific plant species, consult your State Experiment Station or make a test spray.

PINE

Needle blight

Mix 0.5 to 2.0 gallons in 100 gallons of water and spray until needles are thoroughly wet with spray. Apply when new needles are just emerging. Make a second application 3 weeks later.

ROSE AND ORNAMENTAL SHRUBS

Blackspot, Downy mildew, Gray mold, Leafspots, Powdery mildew, Rust

Mix 0.5 to 1.0 gallons CUEVA FUNGICIDE CONCENTRATE in 100 gallons of water and spray to point of run-off. Begin treatment when new spring growth emerges and repeat every 7 to 10 days for as long as needed to control disease. CUEVA FUNGICIDE CONCENTRATE may cause copper toxicity on some rose varieties. Copper toxicity appears as purple spots.

SYCAMORE

Anthracnose

Mix 0.5 to 2.0 gallons in 100 gallons of water. Make first application just before buds begin to swell, and repeat twice at 7 day intervals.

TURF

CUEVA FUNGICIDE CONCENTRATE is suitable for controlling diseases of turf in golf courses, turf farms, home lawns and other sites. For large areas, mix 0.5 to 2.0 gallons in 100 gallons of water and apply to 1 acre. For small areas mix 1.5 to 6 fluid ounces with 2.5 gallons of water and apply to 1000 ft². For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed.

Ascochyta leaf blight, Cercospora leaf spots, Dollar spot

To reduce Ascochyta leaf blight mow less frequently, only as necessary to maintain recommended height. Water before noon to allow grass to dry. Water thoroughly only as required to avoid moisture stress. Apply CUEVA FUNGICIDE CONCENTRATE when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

Rust

To reduce rust mow frequently to reduce rust spore production. Water and fertilize lawn as required to avoid moisture and nutrient stress. Water before noon to allow grass to dry. Apply CUEVA FUNGICIDE CONCENTRATE when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

DIRECTIONS FOR USE - HOUSEHOLD

Application Directions

Shake well before use. Most conventional liquid pesticide plant sprayers can be used to apply CUEVA FUNGICIDE CONCENTRATE to plants.

To control **powdery mildews**, use a solution of 1 fluid ounce of CUEVA FUNGICIDE CONCENTRATE in a gallon of water. For best control, start spraying before the disease is visible or when mildew is first visible on the plant. Spray all plant parts thoroughly, and repeat every 7 to 10 days. On plants that are very susceptible to powdery mildew, such as greenhouse-grown cucumber, it is best to spray the plants twice a week during the first 2 weeks after emergence, and weekly thereafter. On outdoor plants, re-apply after rain.

To control **downy mildews, leaf and fruit spots, blights, and rust**, use a solution of 1 fluid ounce of CUEVA FUNGICIDE CONCENTRATE in a gallon of water. Ensure that all surfaces of the plant are thoroughly sprayed. For best control, begin treatment 2 weeks before disease normally appears or when weather forecasts predict a long period of wet weather. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. Re-apply after rain. Use 2 fluid ounces per gallon of water, sprayed every 7 days or less, following heavy rain or when the amount of disease is increasing rapidly. This higher rate should be used for preventing late blight on potato and related plants. If possible, time applications so that at least 12 hours of dry weather follows application.

To prevent **fruit rots**, use a solution of 1 fluid ounce of CUEVA FUNGICIDE CONCENTRATE in a gallon of water. Ensure that all surfaces of the plant are thoroughly sprayed. Apply at the start of flowering and continue every 7 to 10 days until harvest. Fungicidal sprays are especially warranted when weather forecasts predict a long period of wet weather. Re-apply after rain.

(The following information may or may not be placed, in whole or in part, on the final household label)

Directions for Use on Ornamentals and Turf Diseases Controlled, Listed by Plant:

Ornamental Plant	Common Name	Diseases Controlled
<i>Aechmea faciaa</i>	Urn plant, bromeliad	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight
<i>Aeschynanthus pulcher</i>	Lipstick vine	Botrytis blight, Leaf spot (fungal)
<i>Aglaonema</i> species	Chinese evergreen	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight, Soft rot
<i>Anthurium</i> species	Tailflower	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight,

		Soft rot
<i>Aphelandra squarrosa</i>	Zebra plant	Botrytis blight, Leaf spot (fungal), Rhizoctonia blight
<i>Araucaria heterophylla</i>	Norfolk Island pine	Colletotrichum needle blight
<i>Asplenium nidus</i>	Bird's nest fern	Bacterial leaf spot and blight
<i>Brassaia actinophylla</i>	Schefflera	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal) Rhizoctonia blight
<i>Caladium species</i>	Caladium	Bacterial leaf spot and blight, Rhizoctonia blight
<i>Calathea species</i>	Rattlesnake plant	Bacterial leaf spot and blight, Leaf spot (fungal)
<i>Caryota mitis</i>	Fishtail palm	Bacterial leaf spot and blight, Leaf spot (fungal)
<i>Chamaedorea species</i>	various palms	Leaf spot
<i>Chrysalidocarpus lutescens</i>	Areca palm	Leaf spot
<i>Cissus species</i>	Grape ivy	Anthrachnose leaf and fruit spot, Botrytis blight, Downy mildew, Powdery mildew, Rhizoctonia blight
<i>Codiaeum variegatum</i>	Croton	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight
<i>Cordyline terminalis</i>	Ti plant	Anthrachnose leaf and fruit spot, Leaf spot (fungal)
<i>Chryptanthus species</i>	Bromeliad, earthstar	Anthrachnose leaf and fruit spot
<i>Dieffenbachia species</i>	Dieffenbachia	Bacterial leaf spot and blight, Leaf spot (fungal) Rhizoctonia blight
<i>Dracaena species</i>	Dracaena, Corn plant	Bacterial leaf spot and blight, Botrytis blight, Leaf spot (fungal)
<i>Epipremnum aureum</i>	Pothos, Devil's ivy	Bacterial leaf spot and blight, Rhizoctonia blight
<i>Euphorbia milii</i>	Euphorbia	Rhizoctonia blight
<i>Fatsia japonica</i>	Japanese fatsia	Bacterial leaf spot and blight, Leaf spot (fungal) Rhizoctonia blight
<i>Ficus benjamina</i>	Weeping fig	Leaf spot (fungal)
<i>Ficus elastica</i>	India-rubber tree	Leaf spot (fungal), Botrytis blight
<i>Fittonia verschaaffeltii</i>	Nerve plant	Rhizoctonia blight
<i>Hedra helix</i>	English ivy	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight, Botrytis blight, Leaf spot (fungal), Rhizoctonia blight
<i>Hoya carnosa</i>	Wax plant	Botrytis blight, Leaf spot (fungal), Rhizoctonia blight
<i>Maranta leuconeura</i>	Prayer plant	Leaf spot (fungal)
<i>Monstera deliciosa</i>	Swiss cheese plant	Bacterial leaf spot and blight, Anthrachnose leaf and fruit spot, Rhizoctonia blight, Soft rot
<i>Nephrolepis exaltata</i>	Boston fern	Bacterial leaf spot and blight, Botrytis blight, Rhizoctonia blight
<i>Peperomia species</i>	Peperomia	Leaf spot (fungal), Rhizoctonia blight
<i>Philodendron species</i>	Philodendron	Anthrachnose leaf and fruit spot, Botrytis blight, Leaf spot (fungal)
<i>Pilea species</i>	Aluminum plant	Bacterial leaf spot and blight, Anthrachnose leaf and fruit spot, Leaf spot (fungal), Rhizoctonia blight
<i>Platycerium bifurcatum</i>	Staghorn fern	Bacterial leaf spot and blight, Rhizoctonia blight
<i>Polyscias species</i>	Aralia	Anthrachnose leaf and fruit spot, Bacterial leaf spot and blight, Leaf spot (fungal)
<i>Rhapis species</i>	Ladyfinger palm	Leaf spot (fungal)
<i>Rhoeo spathacea</i>	Oyster plant	Leaf spot (fungal)

<i>Saintpaulia ionantha</i>	African violet	Bacterial leaf spot and blight, Botrytis blight, Leaf spot (fungal), Powdery mildew
<i>Sansevieria triafasciata</i>	Snake plant	Bacterial leaf spot and blight, Leaf spot (fungal)
<i>Schefflera arboricola</i>	Dwarf Schefflera	Bacterial leaf spot and blight, Leaf spot (fungal)
<i>Schlumbergera</i> species	Cactus	Leaf spot (fungal)
<i>Sedum</i> species	Sedum	Leaf spot (fungal)
<i>Spathiphyllum</i> species	Spathe flower	Leaf spot (fungal), Rhizoctonia blight
<i>Syngonium podophyllum</i>	Nephthytis	Bacterial leaf spot and blight, Leaf spot (fungal), Rhizoctonia blight
<i>Yucca</i> species	yucca	Leaf spot (fungal)

(The following information may or may not be placed, in whole or in part, on the final household label)

The ornamental and turf species listed may be treated with CUEVA FUNGICIDE CONCENTRATE. Mix 1/2 to 2 fluid ounces in one gallon of water and spray all plant surfaces thoroughly. When necessary, repeat sprays every 7 to 10 days. CUEVA FUNGICIDE CONCENTRATE may cause some copper toxicity on some plant species. Before spraying a specific plant species, consult your State Experiment Station or make a test spray.

(The following information may or may not be placed, in whole or in part, on the final household label)

Directions for Use on Ornamentals and Turf

Crop	Diseases Controlled	Application Notes
Pine	Needle blight	Spray until needles are thoroughly wet with spray. Apply when new needles are just emerging.
Rose and Ornamental Shrubs	Blackspot, Downy mildew, Gray mold (Botrytis), Leafspots, Powdery mildew, Rust	CUEVA FUNGICIDE CONCENTRATE may cause copper toxicity on some rose varieties. Copper toxicity appears as purple spots. For Black spot, mix at a rate of 1.44 ozs. of CUEVA FUNGICIDE CONCENTRATE per gallon of water. For Powdery Mildew, mix at a rate of 1.08 ozs. of CUEVA FUNGICIDE CONCENTRATE per gallon of water. In damp cool conditions (below 60°F), phytotoxicity is likely to occur with the use of CUEVA FUNGICIDE CONCENTRATE.
Sycamore	Anthrachnose leaf and fruit spot	
Turf	Ascochyta leaf blight, Cercospora leaf spots, Dollar spot	Mix 1.5 to 6 fluid ounces with 2.5 gallons of water and apply to 1,000 sq. ft. For best control, begin treatment 2 weeks before disease normally appears. Alternatively, begin treatment when disease first appears, and repeat at 7 to 10 day intervals for as long as needed.
		To reduce Ascochyta leaf blight mow less frequently, only as necessary to maintain recommended height. Water before noon to allow grass to dry. Water thoroughly only as required to avoid moisture stress. Apply CUEVA FUNGICIDE CONCENTRATE when

		disease first appears, and repeat at 7 to 10 day intervals for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.
	Rust	To reduce rust mow frequently to reduce rust spore production. Water and fertilize lawn as required to avoid moisture and nutrient stress. Water before noon to allow grass to dry. Apply CUEVA FUNGICIDE CONCENTRATE when disease first appears, and repeat at 7 to 10 day intervals for as long as needed. In frequently diseased areas, prune adjacent trees and shrubs to reduce turf shading and to improve air movement.

(The following information may or may not be placed, in whole or in part, on the final household label)

Directions for Use on Fruits and Vegetables

Do not apply this product through any type of irrigation system.

Crop	Diseases Controlled	Application Notes
Bean, Pea	Anthrachnose leaf and fruit spot, Ascochyta leaf and pod spot, Bacterial blights (halo, common and brown spot), Downy mildew, Gray mold (Botrytis), Powdery mildew, White mold (Sclerotinia)	
Beet, Chard, Spinach	Cercospora leaf spot, Downy mildew, White rust, Powdery Mildew	
Carrots	Alternaria leaf blight, Bacterial leaf blight, Cercospora leaf blight	
Celery and Celeriac	Bacterial leaf spot, Cercospora (early) blight, Septoria (late) blight	
Citrus (Grapefruit, Lemon, Lime, Orange, Pummelo, Tangerine)	Melanose spot, greasy spot, citrus scab, alternaria brown spot, Red alga (Florida)	Apply 1-3 weeks after petal fall. Repeat every 2 weeks if necessary until the fruit is 3 inches in diameter. Do not mix Cueva Fungicide Concentrate with oil when applied on any citrus.
Corn	Southern leaf blight, Cercospora leaf spot	
Crucifer Crops (Broccoli, Brussels sprouts, Canola, Cauliflower, Cabbage, Kale, Kohlrabi, Mustard, Pak-Choi, Rape, Rutabaga, Turnip)	Alternaria blight, Bacterial leaf spot, Downy mildew, Powdery mildew, White mold (Sclerotinia)	
Cucurbits (Cucumbers, Cantaloupe, Squash, Pumpkin, Zucchini)	Alternaria blight, Angular leaf spot, Anthracnose leaf and fruit spot, Downy mildew, Gray mold, Scab, Ulocladium leaf spot, Powdery	For cucumbers grown in a greenhouse, apply CUEVA FUNGICIDE CONCENTRATE 2 times per week in the first 2 weeks

	mildew	after emergence, followed by sprays every 7 days.
Currant and Gooseberry	Anthracnose leaf and fruit spot, Phyllosticta, Septoria leaf spots, Powdery mildew	
Ginseng	Alternaria blight, Botrytis blight, Phytophthora, mildew	
Grapes	Downy mildew, Black rot, Phomopsis Cane and Leaf Spot, Powdery mildew, Gray mold (Botrytis)	Do not mix CUEVA FUNGICIDE CONCENTRATE with lime. Certain Vinifera and French Hybrid varieties may be sensitive to copper sprays resulting in marginal leaf burn. Before spraying these varieties, consult your State Experiment Station or make test sprays.
Hop	Anthracnose leaf and fruit spot, Cercospora leaf spot, Downy mildew, Powdery mildew	
Lettuce, Chicory, Endive	Downy mildew, Septoria leaf spot, Powdery mildew, Bacterial soft rot and bottom rot	Use lower rate when disease pressure is low or on copper sensitive varieties of lettuce.
Onion, Garlic, Leek, shallot, Chives	Botrytis leaf blight, Downy mildew, Neck rot, Bacterial soft rot	
Parsley	Leaf scorch, Leaf spot	
Peanuts	Sclerotinia blight, Leaf spots (early and late), web blotch	
Pome Fruit Trees (Apple, Pear, Quince)		NOTICE: CUEVA FUNGICIDE CONCENTRATE as used in this recommendation may cause russetting of Golden Delicious and similar susceptible apple varieties. Mild russetting of other varieties may occur. Preferred use is on non-bearing or processing varieties where russetting is not a concern. On apple do not exceed the rate of 1.0 fluid ounces CUEVA FUNGICIDE CONCENTRATE per gallon water.
	Anthracnose leaf and fruit spot	Apply in mid-July.
	Cedar Apple Rust, Quince Rust	The disease can also be reduced by removing nearby eastern red cedar plants (<i>Juniperus virginiana</i> L.). On juniper, cedar apple rust can be controlled by spraying plants at least 4 times between late August and late October.
	Fireblight	Spray at silver tip and bud break and repeat on 3 to 5 day intervals as needed, up to petal fall. Use the lower rate if disease pressure is light and higher rate when

		conditions favor heavy disease pressure.
	Scab, Sooty Blotch, Flyspeck (fruit and leaf spots)	Treat up to blossom drop. Use after blossom drop will cause russetting.
Small Fruits (Blackberry, Blueberry, Raspberry, Strawberry)	Gray mold (Botrytis), Mucor fruit rot, Rhizopus fruit rot	Apply at the start of flowering and continue every 7 to 10 days until harvest.
Stone Fruit Trees (Almond, Apricot, Cherry, Nectarine, Peach, Plum)	Bacterial canker (Pseudomonas syringae), Brown rot blossom blight, leaf and fruit spots	For bacterial canker, apply as a dormant spray as buds begin to swell, repeating at the bud burst stage, and weekly thereafter as needed, up to six sprays. In the fall spray again at 10 and 80% leaf fall. For brown rot blossom blight apply full cover spray at delayed dormant (bud swell), popcorn, full bloom and petal fall stages. During wet weather additional bloom sprays may be necessary.
	Bacterial leaf spot	
	Anthrachnose leaf and fruit spot, Coryneum blight, Peach leaf curl	Apply as a dormant spray in late fall during a period of dry weather.
Strawberry	Angular leaf spot, Leaf scorch, Mycosphaerella leaf spot, Phomopsis leaf blight, Powdery mildew, Septoria leaf spots	Spray 1 month after planting (or before flowering on established plants) and twice more at 7 to 10 day intervals.
	Anthrachnose fruit rot, Gray mold (Botrytis)	Apply at the start of flowering and continue every 7 to 10 days until harvest.
Tobacco	Blue Mold (Downy Mildew)	
Tomato, Potato, Eggplant, Pepper	Anthrachnose leaf and fruit spot, Bacterial speck, Bacterial spot, Cercospora leaf spot, Early blight, Gray mold, Late blight, Leaf mold, Septoria leaf spot	
Walnuts	Blight	

(The following information may or may not be placed, in whole or in part, on the final label:

- This bottle will treat XXXXX sq.ft.
- Copper Soap Fungicide
- Ideal for Roses, Fruits & Vegetables
- Controls Powdery Mildew, Black Spot & Rust!
- Fixed copper is suitable for organic gardening.
- Where to use
- Ornamentals and Turf
- Vegetables, Fruits, and Nuts
- Manufactured under a license of Neudorff.

-For household use only.

-Fixed copper is one of the oldest fungicides and bactericides, used to control a wide range of plant diseases. CUEVA FUNGICIDE CONCENTRATE is a patented, fixed copper fungicide, made by combining a soluble copper fertilizer with a naturally-occurring fatty acid. The copper and the fatty acid combine to form a copper salt of the fatty acid, known technically as a true soap. The copper soap fungicide controls many common diseases using low concentrations of copper, down as low as 90 ppm. The net result is an excellent vegetable, fruit and ornamental fungicide. CUEVA FUNGICIDE CONCENTRATE decomposes to form soluble copper, and fatty acid, both of which can be used by microbes and plants. CUEVA FUNGICIDE CONCENTRATE is suited for use in domestic circumstances, both indoors and outdoors. The National Organic Standards Board of the USA allows fixed copper to be used in organic crop production for controlling plant diseases.

-Decomposes to a form useful to plants & microbes.

-CUEVA FUNGICIDE CONCENTRATE controls diseases of a wide range of plants, including many vegetables, fruit and ornamentals. As with most fungicides, CUEVA FUNGICIDE CONCENTRATE acts to protect plants from infection. Therefore, it is important to have CUEVA FUNGICIDE CONCENTRATE on the leaf, flower or fruit before the pathogen is able to cause an infection.

-A wide range of bacteria and fungi attack plants, however, they generally only cause a few types of diseases. When using CUEVA FUNGICIDE CONCENTRATE, it is important to identify the type of disease in order to use the best method of disease control.

-**Powdery mildews** tend to occur on the upper leaf surfaces, as though a white powder was sprinkled onto the plant. Powdery mildews can form a dense, white, cottony mass, making the whole leaf appear white. They are also commonly found on stems. Powdery mildews rarely kill plants. Most fungal diseases require water to infect plants. Powdery mildews are unique in that they do not require water for infection. Hence, under greenhouse conditions, powdery mildews can become severe. Shade and dense plantings also promote powdery mildew. Powdery mildews commonly occur on the following plants: apple, bean, beet, broccoli, brussel sprouts, cauliflower, cabbage, cantaloupe, chard, chicory, chive, cucumber, currant, endive, gooseberry, grape, grasses, hop, kale, kohlrabi, lettuce, lilac, oak, pea, pumpkin, rose, rutabaga, spinach, squash, strawberry, turnip, zucchini and many other plant species.

-**Downy mildews** tend to occur on the lower leaf surfaces. Downy mildews are much finer than powdery mildews, and appear as fine white cotton, similar to duck down. Downy mildews can rapidly kill plant leaves during wet, cool weather, but are inhibited by hot dry weather. Downy mildews commonly occur on the following plants: bean, beet, broccoli, brussel sprouts, cauliflower, cabbage, cantaloupe, chard, chicory, chive, corn, cucumber, endive, garlic, grape, grasses, hop, kale, kohlrabi, leek, lettuce, onion, pea, pumpkin, rutabaga,

shallot, spinach, squash, sunflower, tobacco, turnip, zucchini and many other plant species,

-Leaf and fruit spots are small brown or black spots on the leaf or fruit. They commonly occur on apple and pear (scab), as well as on most of the plants grown around the home and in the garden. These spots can be caused by a range of fungi and bacteria. Leaf and fruit spots are commonly caused by fungi belonging to the following genera: *Alternaria*, *Cercospora*, *Colletotrichum*, *Cylindrosporium*, *Gloeosporium*, *Glomerella*, *Gnomonia*, *Marssonina*, *Mycosphaerella* (*Didymella*), *Phomopsis*, *Phyllosticta*, *Septoria*, and *Sphaceloma*. Spots on leaves and fruit can expand and grow together. Leaf spot pathogens require water to infect plants. During wet weather, spots can develop into a **blight**, very rapidly, killing leaves, flowers and stems.

-Rusts are small orange blisters that appear on plant leaves, and that are full of orange powder. The orange powder is rust spores. Towards the end of the season, black spores are often produced. Rust is commonly found on grasses, currants and many other types of plants.

-Rusts occur as small white or orange blisters, full of white or orange powder, that appear on plant leaves.

-Fruit rots appear as soft rotten areas on the fruit.

-Fruit rots commonly occur on strawberries, raspberries, and other fruit. They appear as soft, rotten areas on the fruit. Often the causal fungus can be seen growing and producing spores on the surface of the rotting area. Rots are often caused by fungi belonging to the following genera: *Aspergillus*, *Botrytis*, *Monilinia*, *Mucor*, *Penicillium*, *Rhizopus* and *Sclerotinia*.

-Manufactured under a license of Neudorff.

-www.neudorff.de



-Cueva™ is a trademark of W. Neudorff GmbH KG

-Contains Cueva™ Fungicide Concentrate, a trademark of W. Neudorff GmbH KG

-Made with Cueva™ Fungicide Concentrate, a trademark of W. Neudorff GmbH KG

-Cultural Method to Assist in Reducing Plant Disease

Several common sense techniques can also be used to reduce plant disease. These include:

- Inspect the plants often for signs of disease or insect pests. Take appropriate measures when warranted.
- Promote healthy plant growth, but do not over fertilize.
- Do not grow the same types of plants in the same location in successive years.
- Control weed species around the garden that are related to the plant species that you are growing. Weeds are a source of plant pathogens.

- Space plants to ensure good airflow and drying after rain. Also, water plants in the morning to minimize the time that the plants are wet. Wet leaves, flowers and fruit promote infections by plant pathogens.
- Prune plants during dry weather to avoid wound infections.
- At the end of the growing season remove and compost all garden refuse. Garden refuse can act as a source of plant pathogens.]

The registrant may use one of these optional statements, either:

"NOTICE TO BUYER

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Buyer assumes all risk of any such use. Seller makes no other warranties, either expressed or implied.

OR

Unconditionally guaranteed by W. Neudorff GmbH KG. If for any reason you are not satisfied with this product, send proof of purchase to the address shown and we will gladly refund your purchase price."

Registrant: W. Neudorff GmbH KG, Postfach 1209, An der Mühle 3,
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