

ACCEPTED
JUN 14 1978
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 1109-25

E. P. A. Reg. No. 1109-25-AA
 E. P. A. Establishment No. 1109-TN-1



U. S. PATENT NO. 3262846

ACTIVE INGREDIENTS Copper salts of fatty and rosin acids 48%
 (Copper as metallic) 4%
INERT INGREDIENTS 52%

CAUTION:

Keep out of reach of children. Do not use if you are sick or pregnant. Do not use if you are allergic to copper. Do not use if you are allergic to rosin. Do not use if you are allergic to fatty acids. Do not use if you are allergic to copper salts. Do not use if you are allergic to copper fungicides. Do not use if you are allergic to copper fungicides. Do not use if you are allergic to copper fungicides.

CITIES SERVICE COMPANY
COPPERHILL OPERATION
COPPERHILL, TENNESSEE

SPRAYING REC

Put Citicop 4E into spray tank with water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture.

FRUITS AND NUTS

ORANGES (Florida) Melanose. Mix 1 to 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre by aerial. Use Citicop 4E in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture.

ORANGES (including limes) Red Aka (Florida Only). Mix 1 to 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre by aerial. Use Citicop 4E in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture.

GRAPES Downy mildew, and black rot. Use 2 quarts Citicop 4E per acre with 100 gallons of water or 100 gallons of concentrate spray mix. Use Citicop 4E in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture. Add Citicop 4E to water in proportion to form mixture.

WALNUTS Blight. Use 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

VEGETABLES

BEANS (green, snap, and lima) Bacterial blights. Use 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

BROCCOLI Downy mildew (Northeastern States Only). Use 2 quarts Citicop 4E per acre with 100 gallons of water. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

CARROTS Leaf spot (North Central States Only). Mix 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

CELERY Early blight. Use 2 quarts Citicop 4E per acre with 100 gallons of water. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

CUCURBITS (CUCUMBERS, CANTALOUPE OR MUSKMELONS, SQUASH, PUMPKINS, WATERMELONS) Powdery mildew, Alternaria blight. Mix 2 quarts Citicop 4E per acre with 100 gallons of water and apply to one acre. Begin treatment when disease first appears. Repeat as needed to suppress disease. Do not use if you are allergic to copper.

CUCUMBERS Downy mildew (Southern States Only). Angular leaf spot (North Central States, California). Same as for powdery mildew on cucurbits.

LETTUCE Downy mildew. Use 2 quarts Citicop 4E per acre with 100 gallons of water. Begin when disease first appears and repeat as needed to suppress disease. Do not use if you are allergic to copper.

ONIONS Downy mildew. Mix 2 quarts Citicop 4E per acre with 100 gallons of water. Begin treatment when disease first appears and repeat as needed to suppress disease. Do not use if you are allergic to copper.

SPRAYING RECOMMENDATIONS

Pour Citicop 4E into spray tank water with agitation to form best emulsion. After emulsion is formed, agitation is not required. For garden sprays, 2 teaspoons per gallon of water equal one quart of Citicop 4E per 100 gallons of water. Use highest dilution shown.

FRUITS AND NUTS

CITRUS (Florida) **Melanose** - Mix 1½ to 2 gallons Citicop 4E in 10 gallons of water and apply to one acre by aircraft. Use 1 gallon in 500 gallons of water if applied by dilute ground spray equipment. Apply 1 to 3 weeks after petal fall. Do not mix Citicop 4E with oil and apply on citrus.

CITRUS (including limes) - Red Alga (Florida Only) - Mix 7½ to 8 quarts Citicop 4E in 500 gallons of water applied as a dilute ground spray. Apply in spring time (June) as a preventive spray. Make a second application in late summer (August) to control any new colonies.

GRAPES **Downy mildew, and black rot** - For dilute spray mix 1 quart Citicop 4E per 100 gallons water, or for concentrate sprays mix 2 to 3 quarts Citicop 4E in 20 to 250 gallons water and apply to one acre. For best control begin treatment when new growth reaches 1-inch and repeat at 7 to 14 day intervals throughout the growing season. **Note:** Certain Vitis and French Hybrid varieties may be slightly sensitive to copper sprays resulting in marginal leaf burn. Before spraying these varieties, consult your State Experiment Station or make test sprays.

WALNUTS **Blight** - Use 2 quarts per 100 gallons and apply 500 gallons per acre in mature orchards. Apply first in early prebloom and the second time when 10 to 20% of the pistillate (not catkins) blooms are showing. When rain threatens, additional application made before or immediately after the rain are important.

VEGETABLES

BEANS (green snap and lima): Bacterial blights - Use 2 quarts Citicop 4E in 5 to 100 gallons water and apply to one acre. Begin treatment when disease first appears and continue at 7 to 10 day intervals through harvest. During wet weather use 7 day interval.

BROCCOLI **Downy mildew (Northeastern States Only)** - Use 1 pint Citicop 4E per acre mixed in 100 or more gallons of water. Begin treatment two weeks before disease normally appears and repeat at 7 day intervals. Under certain conditions, slight wilting of upper leaves may occur.

CARROTS **Leaf spot (North Central States Only)** - Mix 2 to 3 quarts Citicop 4E in 100 gallons of water and apply to one acre. Begin treatment 2 weeks before disease normally appears for best preventive control, or make first application when disease first appears. Repeat at 7 to 10 day intervals after first application.

CELERY **Early blight** - Use 2 quarts Citicop 4E per acre in 60 to 100 gallons of water. Begin 2 weeks before disease normally appears. Repeat as needed to prevent damage.

CUCURBITS (CUCUMBERS, CANTALOUPE OR MUSKMELONS, SQUASH, PUMPKINS, WATERMELONS) **Powdery mildew, Alternaria blight** - Mix 2 quarts Citicop 4E in 100 gallons of water and apply to one acre. Begin treatment 2 weeks before disease normally appears for best preventive control, or make first application when disease first appears. Repeat at 7 to 10 day intervals.

CUCUMBERS **Downy mildew (southeastern States Only), Angular leaf spot (North Central States, California)** - Same as for powdery mildew of cucurbits.

LETTUCE **Downy mildew** - Use 2 quarts Citicop 4E per acre in 50 to 80 gallons of water. Begin when disease first appears and repeat as needed to suppress disease.

ONIONS **Downy mildew** - Mix 2 quarts Citicop 4E per acre in 50 to 80 gallons of water. Begin treatment when disease first appears and repeat as needed to suppress disease.

PEPPER **Bacterial spot** - Use 2 to 3 quarts Citicop 4E per acre in 25 to 100 gallons water applied by ground sprayer or in 5 to 10 gallons water applied by aerial spray. Begin treatment 2 weeks before disease normally appears for best preventive control or make first application when disease first appears. Repeat at 7 to 10 day intervals as long as needed.

TOMATOES **Early blight, Septoria leaf spot, Bacterial spot** - Use 2 to 3 quarts Citicop 4E per acre in 5 to 10 gallons water by aerial spray or in 25 to 100 gallons water by ground sprayer. Begin treatment 2 weeks before disease normally appears for best preventive control. Repeat at 7 to 10 day intervals as long as needed.

FIELD CROPS

CORN (FIELD) **Southern leaf blight (North Central States Only)** - Use 2 quarts Citicop 4E per acre in sufficient water for adequate coverage, usually 20 to 30 gallons per acre by aircraft or 20 to 50 gallons per acre by ground equipment. Begin treatment when first spots appear. Apply at 10 to 20 day intervals after first application until corn is mature.

COLORED AND NAVY BEANS **Bacterial blight (Halo and Comstock)** - Mix 2 quarts Citicop 4E for ground application in 50 gallons of water, or 2 quarts in 5 gallons of water for aerial application and apply to one acre. For best protective cover, begin spray 2 weeks before disease normally appears. Follow first spray every 7 to 10 days with 1 to 5 sprays.

PEANUTS: Leaf spot - Mix 2 to 3 quarts Citicop 4E in 10 to 25 gallons of water and apply to one acre, or use a tank mix of 2 to 3 quarts Citicop 4E plus 2 to 3 lbs. of wettable or flowable sulfur in 10 to 25 gallons water for improved disease control. Begin treatment 2 weeks before disease normally appears for best preventive control, or make first application when disease is first noted. Repeat applications at 7 to 14 day intervals. Apply at the shorter interval during periods when weather is favorable for disease development.

SUGAR BEETS: Leaf spot - Mix 3 quarts Citicop 4E in 10 to 20 gallons of water and apply to one acre, or use a tank mix of 3 quarts Citicop 4E plus 2 lbs. of wettable or flowable sulfur in 20 to 50 gallons of water per acre for improved disease control. Begin treatment 2 weeks before disease normally appears for best preventive control, or make first application when disease appears. Apply at 10 to 14 day intervals after first application.

ORNAMENTALS

PINE (AUSTRIAN AND PONDEROSA) **Needle blight (North Central States Only)** - Mix 2 quarts Citicop 4E in 100 gallons of water (equal 1 teaspoon per gallon) and spray until needles are thoroughly wet with spray. Apply when new needles are just emerging. Make a second application 3 weeks later.

SYCAMORE **Anthracnose** - Mix 2 quarts Citicop 4E in 100 gallons of water. Make first application just before buds begin to swell and repeat twice at 7 day intervals.

Consult State Agricultural Experiment Station or State Extension Service for Address. Additional Information as to Timing, Number and Rate of Application.

Citicop 4E is compatible with Bravo, Maneb, Captan, Phantam, Fosaphene, Thiodan, Organophosphates, and wettable sulfur. Do not mix Citicop 4E with oil when applied to citrus. Do not mix Citicop 4E with chelated or liquid fertilizers. Use with other fungicides and insecticides with caution. Observe all cautions and limitations on all products used in mixtures.

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 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.

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