

# TRI-BASIC COPPER SULFATE

REG 7-15-75

Spot and Pink Pitting make a summer spray about July 15. Wettable sulfur may be included in spray for rusts and scab. CAUTION: Do not apply in areas where copper injury is known to occur.

**GRAPES:** Anthracnose, Black rot, Downy mildew — Dilute spray — Use 2 lbs per 100 gals water. Make first application when new growth is 1/2 inch long and repeat every 10 to 14 days. Concentrate spray — Use 4 to 5 lbs per acre in sufficient water for good coverage and apply as stated above.

**OLIVES:** Leaf spot (Peacock spot) — Use 4 lbs per 100 gals of water and apply in late October. Note: In areas with 10 inches or less rainfall per year, use only 2 lbs per 100 gals. Concentrate sprays — Use 12 lbs per acre in not less than 40 gals water. Read and follow above note on rainfall limitation.

**PEACHES AND NECTARINES:** Brown rot, Peach blight (Shot hole) and Leaf curl — Dilute spray — Use 4 to 5 lbs per 100 gals plus 1 to 1 1/2 gals sticker. Concentrate spray — Use 12 to 16 lbs per acre plus 1 to 1 1/2 gals sticker in 25 to 50 gals water per acre. As a dormant spray for Leaf curl and Peach blight (Shot hole) apply November 15 to December 15 before fall rains begin. Bud sprays for Brown rot and Peach Blight (Shot hole) should be applied before bud swell and in full pink bud stage. Do not apply after pink bud or after trees are in leaf as injury may occur. Note: To control leaf curl application must be made before the foliage buds swell. Consult your State Agricultural Experiment Station. California only: For Blight and Leaf curl control, 16 to 20 lbs in 20 gals water may be applied by aircraft to one acre during the dormant season. For Peach Bacterial diseases apply 3 lbs per 100 gals water plus sticker and apply during dormant season.

**PEARS:** Fire blight — Use 1/2 lb per 100 gals water. Apply 400 gals per acre to give 1 lb metallic copper per acre. Concentrate Spray — Use 2 lbs per acre in sufficient water for good coverage. Apply at 10% bloom and repeat at 5 to 7 day intervals during bloom. Do not use on D'Anjou, Comice, or Seckel varieties.

**PLUMS AND PRUNES:** Brown rot, Shot hole — Use 4 to 5 lbs plus 1 to 1 1/2 gals sticker per 100 gals water. For Shot hole control apply as a dormant in November or December before heavy fall rains begin. For Brown rot control apply at early green bud and full popcorn stages. Concentrate Spray — Use 12 lbs plus 1 to 1 1/2 gals sticker in 25 to 50 gals water and apply to one acre. California Only: For aircraft spray to control Shot hole and Brown rot blossom blight apply 16 to 20 lbs plus sticker in 20 gals of water and apply to one acre during dormant season.

**WALNUTS:** Blight — Use 4 to 5 lbs per 100 gals water. Make two treatments, the first in early prebloom (1% pistillate, not catkin, blooms showing) and the second when 10 to 20% pistillate, not catkin, blooms are showing. Repeat applications for blight control 3 or 4 times during growing season if necessary.

**STRAWBERRIES:** Leaf spot — Use 2 to 3 lbs per 100 gals water. Apply prebloom and postbloom.

**CAUTION:** Overspraying may cause injury to tender foliage of peaches, almonds, apricots and some Japanese plums.

## Vegetable and Field Crops

**MIXING INSTRUCTIONS:** Mix recommended amount of Tri-Basic given for one acre in sufficient water for good coverage. With dilute ground sprayer, generally apply 100 to 150 gallons spray per acre. With concentrate sprayer generally apply 20 to 50 gallons spray per acre. With aerial sprayers generally apply 5 to 10 gallons spray per acre, but do not apply less than 5 gals spray mixture per acre. Consult the manufacturer for recommended water volumes per acre for a given sprayer.

**BEANS (Green and Dry):** Angular leaf spot, Anthracnose, Bacterial blight, Downy mildew — Use 2 to 4 lbs per acre. Begin treatment when plants are about 5 inches tall and repeat at 5 to 7 day intervals.

**BEETS:** Downy mildew, Leaf blights, Leaf spots — Use 2 to 3 lbs per acre. Begin when disease first appears and repeat every 7 to 10 days.

**SUGAR BEETS:** Cercospora leaf spot — Use 4 lbs per acre. Begin when disease first appears and repeat every 7 to 10 days.

**BROCCOLI, CABBAGE, CAULIFLOWER:** Downy mildew, leaf spots — Use 1 to 3 lbs per acre. Begin when plants are above ground in plant bed or before disease normally appears. Repeat at 7 to 10 day intervals in plant bed and field.

**CARROTS:** Downy mildew, Cercospora and Alternaria leaf blights — Use 3 to 4 lbs per acre. Begin treatment when disease first appears and repeat at 7 to 10 day intervals.

**CELERY:** Bacterial blight, early and late blight — Use 3 to 4 lbs per acre. Treat every 7 days after emergence.

**CUCURBITS (Cantaloupes, Cucumbers, Melons, Pumpkins, Squash):** Angular leaf spot, Anthracnose, Alternaria leaf spot, Bacterial wilt, Downy and Powdery mildews, Gummy stem blight, Leaf spot, Scab — Use 2 lbs per acre. Begin treatment when plants begin to vine and repeat every 7 to 10 days. Since the disease is likely to be more serious in high plant populations (40,000 or more plants per acre) spray every 3 to 4 days to protect fruit at all stages of development. Note: A ground application of Tri-Basic after planting, but before emergence, may help decrease infections of angular leaf spot, anthracnose and alternaria leaf spot. Then follow above schedule after emergence. Note: Some Agricultural Experiment Stations recommend equal amount of hydrated lime when used on cucurbits. Lime when applied to cucurbits may cause dwarfing of plants and reduce fruit set due to increased transpiration and defoliation under some conditions. Consult your local Experiment Station for specific recommendation.

**EGGPLANT:** Alternaria blight, Anthracnose, Phomopsis — Use 3 to 4 lbs per acre. Begin in plant bed or in field before disease appears. Repeat at 7 to 10 day intervals.

**ONION:** Purple Blotch (California Only) and Downy Mildew — Use 3 to 4 lbs per acre. Begin when plants are 4 to 6 inches and repeat at 7 to 10 day intervals.

**PEPPERS:** Anthracnose, Bacterial spot, Early Blight, Late Blight, Cercospora leaf spot (Frogeye spot), Downy mildew — Use 3 to 4 lbs per acre. Start sprays in seedbed and continue in field at 7 day intervals. Note: Disease control is critical during fruiting.

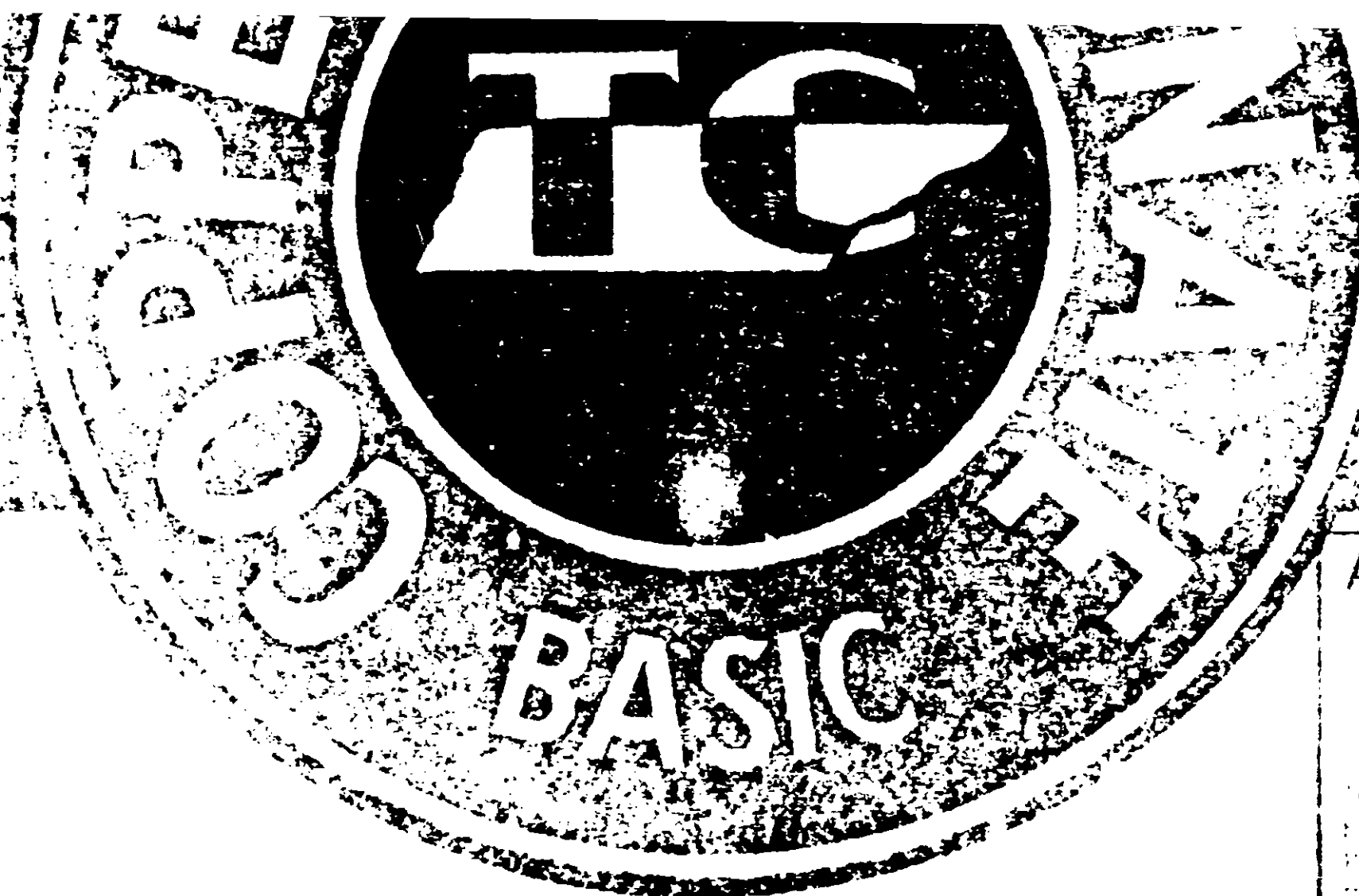
**POTATOES:** Early and late blights — Use 3 to 6 lbs per acre. Begin when plants emerge and repeat at 7 to 10 day intervals.

**PEANUTS:** Cercospora leaf spot — Use 2 to 3 lbs per acre. Repeat at 10-14 day intervals. Note: The addition of 2 lbs wettable or flowable sulfur in a tank mix will enhance leaf spot control. If dusting is preferred use 7 lbs Tri-Basic with 93 lbs dusting sulfur and apply on 3 to 5 acres depending on plant size.

**SPINACH:** Anthracnose, Cercospora leaf spot, Downy mildew, White rust — Use 2 to 4 lbs per acre. Begin when disease first appears. Repeat at 7 to 10 day intervals.

**TOMATOES:** Anthracnose, Bacterial spot, Bacterial canker (Southeastern States only), Early and Late Blight, Leaf mold, Nailhead rust, Septoria and Stemphylium leaf spot — Use 2 to 4 lbs per acre. Begin in seedbed or field before disease appears. Repeat at 7 to 10 day intervals. Note: While Tri-Basic at the labeled rate is particularly effective against Bacterial spot, a tank-mix of Tri-Basic with Dithane M-45, Maneb, or Manzate 200, used at the labeled rates, controls a broad range of tomato diseases. Observe all cautions and limitations on the label of all products used in mixtures.

**NOTICE TO BUYER:** Follow all directions carefully. Timing and methods of application, weather, crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with the direction given on this label.



ACCEPTED

MAY 20 1973

UNION OF INSECTICIDE  
FIRMS AND RESIDENTS ACT  
FOR ECONOMIC POISON REG. STER-  
TY UNDER NO. 1191.24 SUBJECT  
TO ATTACHED COMMENTS.

ACTIVE INGREDIENT

55% (IN BASIC COPPER CARBONATE)

55%

INERT INGREDIENTS

45%

**CAUTION: Do not use treated seed for food, feed or oil purposes.**

**WARNING: KEEP OUT OF REACH OF CHILDREN  
HARMFUL IF SWALLOWED**

Seller's guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

EPA Reg. No 1109-24-AA

**CITIES SERVICE COMPANY**

**COPPERHILL OPERATIONS  
COPPERHILL, TENNESSEE**