

BASF



ACCEPTED

March 8, 1973

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 7969-18

ACCEPTED

JAN 13 1983

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
is approved for registration
EPA Reg. No. 7969-18

Zineb 80 WP

Fungicide

Active Ingredient:

Zineb (zinc ethylene bisdithiocarbamate) .. 80%
(Metallic zinc equivalent 18.9%)

Inert Ingredients 20%

CAUTION

**KEEP OUT OF REACH OF CHILDREN
INHALATION OF DUST OR SPRAY MIST OR
CONTACT WITH SKIN MAY BE HARMFUL.
MAY CAUSE IRRITATION OF NOSE,
THROAT AND SKIN.**

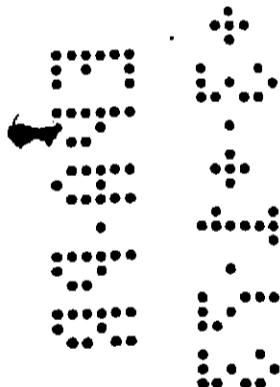
**In case of contact, flush with plenty of water;
for eyes, get medical attention.**

**Keep away from sparks and open flame.
Keep container closed. Store in a dry place away from
feed or food.**

**Do not reuse empty container. Destroy it by burying with
waste or burning. Stay away from smoke or fumes
during burning.**

Net Contents 50 Pounds

**BASF Wyandotte Corporation
Agricultural Chemicals
Parsippany, New Jersey 07054**



Directions For Use

GENERAL DIRECTIONS - Mix the recommended amount of BASF Zineb 80 WP in a sufficient volume of water to provide good coverage with available equipment in either dilute sprays or in concentrate ground or aerial sprays. For concentrate or aerial sprays, do not apply less than 5 gallons of spray mixture per acre. Thorough and uniform coverage is absolutely essential for disease control. BASF Zineb 80 WP is compatible with most insecticides, fungicides, miticides and nutritional sprays and may be used in combination when conditions warrant. Protective clothing (long pants, long sleeve shirt, gloves, hat and boots) must be worn during mixing and loading.

Fruits

GENERAL - In commercial orchards follow the State Experiment Station spray schedule for further details on dosage and timing. In home plantings apply at 1 to 2 week intervals beginning before bloom. Spray plants thoroughly.

APPLES - Scab, Cedar rust, Quince rust, Frog-eye leaf spot, Black rot, Brooks spot, Fly speck, Sooty blotch, Apple blotch, Botryosphaeria fruit rot, Bitter rot. Use 1 to 2 pounds BASF Zineb 80 WP per 100 gallons (10 pounds/A maximum). Begin applications in delayed dormant and continue through cover sprays. Do not apply within 30 days of harvest in northern states* or 15 days in southern states.**

*New England, NY, MI, Far West and other states not listed, following
**AR, DE, IL, IN, KS, KY, MD, MO, NJ, NC, OH, PA, SC, TN, VA, and WV.

APPLES, PEARS - Fire Blight. Use 2 pounds BASF Zineb 80 WP per 100 gallons (maximum. Apples 10 pounds/A, Pears 8 1/2 pounds/A). Apply at 2 to 3 day intervals when new blooms are opening and weather is wet. Maintain recommended sanitary pruning practices. Do not apply to pears within 7 days of harvest. For apples see above.

CITRUS - To control rust mite and associated russeting and grease spot. Use 1 pound BASF Zineb 80 WP per 100 gallons (14 1/2 pounds/A maximum). Apply when rust mites appear.

PEACHES, APRICOTS - Coryneum blight or shot hole, Peach leaf curl. Use 2 pounds BASF Zineb 80 WP per 100 gallons (Peaches 8 1/2 pounds/A; Apricots 9 pounds/A maximum). Apply in post-harvest or dormant period and in popcorn to jacket stages according to the State Experiment Station spray schedule. Do not apply after petal fall on apricots or within 30 days of harvest on peaches.

STRAWBERRIES - Leaf Spot. Use 3 1/4 pounds BASF Zineb 80 WP per acre in sufficient water for thorough coverage. Begin when new growth starts in spring and repeat as necessary. For leaf scorch apply in new beds in late summer using 2 to 3 weekly applications. Do not apply within 7 days of harvest.

SOUR CHERRIES - Leaf spot or shot hole. Use 1 pound BASF Zineb 80 WP per 100 gallons (8 1/2 pounds/A maximum). Apply at petal fall and 10 to 20 days after petal fall and again immediately after harvest. Do not apply within 7 days of harvest.

CRANBERRIES - Fruit rots. Use 2 to 3 pounds BASF Zineb 80 WP per 100 gallons (7 1/2 pounds/A maximum). Apply when plants show 5% bloom and repeat about 2 weeks later or at mid-bloom.

CURRENTS - Leaf spot. Use 2 pounds BASF Zineb 80 WP per 100 gallons (3 1/4 pounds/A maximum). Apply 2 to 3 weeks after bloom and again immediately after harvest. Do not apply within 7 days of harvest.

GRAPES - Downy mildew, Black rot, Ripe rot. Use 1 1/2 pounds BASF Zineb 80 WP per 100 gallons (3 1/4 pounds/A maximum). Apply just before bloom, just after bloom, 10 days after bloom and 2 to 3 weeks later. Do not apply within 7 days of harvest.

Vegetable Crops

GENERAL - Unless otherwise indicated on vegetables, use 3 to 3 1/4 pounds of BASF Zineb 80 WP per acre in sufficient water for thorough coverage. Start applications at first sign of or prior to appearance of disease and repeat as directed. Note preharvest interval for each crop.

BEANS - Downy mildew, Rust, Anthracnose. Begin when first blossoms appear and repeat at 7 to 14 day intervals to within 7 days of harvest. Do not feed treated lima bean hay or forage to livestock.

CARROTS - Alternaria leaf blight, Cercospora leaf spot. **BEETS, TURNIPS** - Cercospora leaf spot, downy mildew. Apply at 7 to 14 day intervals to within 7 days of harvest if tops are to be used as food for feed.

CABBAGE, BROCCOLI, CAULIFLOWER - Downy mildew, Alternaria. Use 4 to 6 pounds BASF Zineb 80 WP per acre. Apply at 7 to 14 day intervals to within 7 days of harvest. **PLANT BEDS** - Use 3 pounds BASF Zineb 80 WP per 100 gallons plus spreader weekly.

CELERY - Early and late blight. Spray plant beds at 3 to 5 day intervals. Continue field applications weekly. Do not apply within 14 days of harvest. Remove residues remaining at harvest by stripping, washing or trimming.

KALE, COLLARDS, MUSTARD GREENS, SWISS CHARD - Cercospora leaf spot, Downy mildew. **SPINACH** - Downy mildew (blue mold), White rust. Apply 7 to 14 day intervals to within 10 days of harvest.

CANTALOUPE, CUCUMBERS, WATERMELONS - Downy mildew, Alternaria blight, Anthracnose, Gummy Stem blight. Apply at 7 to 14 day intervals. Coat underside of leaves thoroughly. Do not apply within 5 days of harvest.

LETTUCE - Downy mildew. Apply at weekly intervals to within 10 days of harvest for head lettuce and leaf lettuce.

TOMATOES - Early and late blight, Anthracnose, Stemphylium and Septoria leaf spots, Cladosporium gray mold. Use 3 to 4 pounds (BASF Zineb 80 WP) per acre. Apply when disease appears and repeat at 7 to 10 day intervals or oftener if disease is severe. Do not apply within 5 days of harvest. (On PEPPERS) to control Phytophthora Anthracnose. (On PEPPERS) use 4 to 6 pounds (BASF Zineb 80 WP) per acre.

Field Crops

PEANUTS - Cercospora Leaf Spot. Use 1 1/2 pounds (BASF Zineb 80 WP) per acre applying in sufficient water for adequate coverage. Begin treatment when disease is first noted and continue applications at 1 to 2 week intervals depending upon severity of the disease. Do not use treated peanut hay for food or feed.

WHEAT - Stem and Leaf Rust. Apply 1 1/2 to 2 pounds per acre. Begin applications when plants are in boot to early heading stage or when rust is reported in area. Repeat at weekly to 10-day intervals until milk stage.

WPS - Pacific Northwest only - Downy mildew. Apply 1 1/2 to 2 pounds per acre in sufficient water for good coverage. Drench spray the crowns when new growth starts. Spray vines at first training and repeat at 5 to 10 day intervals to within 14 days of harvest.

Plant Beds

TOBACCO - Blue Mold. Begin applications when plants emerge or when blue mold is first reported in area. Spray regularly 2 to 3 times per week during active blue mold weather. Repeat applications immediately after a rain. Use 3 pounds (BASF Zineb 80 WP) per 100 gallons (2 level tablespoons per gallon). Apply at 3 to 5 1/2 gallons per 100 square yards of plant bed, depending on size of plants.

LETTUCE, PEPPERS - Damping-off. Drench beds weekly after seeding with 1/2 gallon per square yard of mixture containing 1 pound (BASF Zineb 80 WP) per 50 gallons water.

NOTE: To improve wetting and distribution of (BASF Zineb 80 WP) spray on difficult to wet crops, add 2 to 4 ounces Citowett Plus per 100 gallons of spray. Pre-mix the quantity of Citowett Plus desired per tankful in a bucket of water and add to sprayer as filling is completed. Citowett Plus is suggested as the best choice where spreaders are recommended or desired for use with (BASF Zineb 80 WP). Other types or brands of pesticide spreaders may also be used. (BASF Zineb 80 WP) can also be used in the above applications without any spreaders, but this may result in poor coverage of the foliage.

Ornamentals

GENERAL INSTRUCTIONS - Use (BASF Zineb 80 WP) at 1 1/2 pounds per 100 gallons or 1 level tablespoonful per gallon. Spray plants thoroughly.

AZALEAS & CAMELIAS - Petal blight. Spray 2 to 3 times a week while flowers are opening. Direct spray into flowers. Spray ground under bushes thoroughly.

GLADIOLUS - Botrytis blight, Curvularia, Stemphylium. Spray at weekly intervals, or oftener under severe disease conditions, from early stages until spikes begin to open.

SNAPDRAGONS, CHRYSANTHEMUMS, CARNATIONS, HOLLYHOCKS - Rust, Leaf spot and Anthracnose. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control of Botrytis Petal Spot and Ascochyta Ray Blight make applications twice weekly during the blooming season.

ROSES - Black Spot. Apply at weekly intervals beginning when disease first appears in your area.

CARNATION BENCHES - Fusarium Root Rot. Drench 3 times annually at 3 month intervals with 1/4 pound (BASF Zineb 80 WP) in 12 1/2 gallons per square feet of bench space.

TURF GRASSES - For Helminthosporium diseases, Fading-Out (Curvularia), Rust, and Slime molds: Use 2 ounces (BASF Zineb 80 WP) in 3 to 5 gallons per 1000 square feet of turf. Begin applications as soon as diseases appear and repeat every 7 to 14 days until disease threat is past.

For Pythium blight or grease spot: Use 2 ounces (BASF Zineb 80 WP) in 3 to 5 gallons per 100 square feet of turf. Begin applications as soon as diseases appear and repeat every 5 to 7 days when disease is mild or every 3 to 4 days when disease is severe. Continue applications until disease threat is past.

Follow local turf disease control recommendations for further details on application timing.

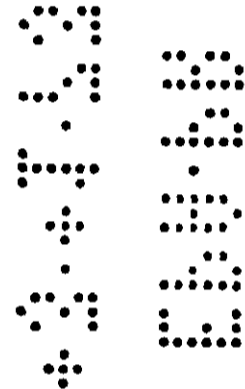
Do not graze treated turf. Do not feed clippings to livestock.

Warranty And Disclaimer

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. But neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. The exclusive remedy of user or buyer and the limit of liability of BASF Wyandotte Corporation is the purchase price paid for the quantity of product involved.

EPA Reg. No. 7969-18

CITOWETT® is a registered U.S. trademark of a product manufactured by Badische Anilin- & Soda-Fabrik AG, Ludwigshafen am Rhein, Germany. 273-US



BASF



ACCEPTED
March 1973
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L. C. ...

Zineb 80 W/P

Fungicide

Active Ingredient:

Zineb (zinc ethylene bisdithiocarbamate) .. 80%
(Metallic zinc equivalent 18.9%)

Inert Ingredients 20%

CAUTION

KEEP OUT OF REACH OF CHILDREN
INHALATION OF DUST OR SPRAY MIST OR
CONTACT WITH SKIN MAY BE HARMFUL.
MAY CAUSE IRRITATION OF NOSE,
THROAT AND SKIN.

In case of contact, flush with plenty of water;
for eyes, get medical attention.

Keep away from sparks and open flame.

Keep container closed. Store in a dry place away from
feed or food.

Do not reuse empty container. Destroy it by burying with
waste or burning. Stay away from smoke or fumes
during burning.

Net Contents 50 Pounds

BASF Wyandotte Corporation
Agricultural Chemicals
Parsippany, New Jersey 07054

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TOMATOES - Early and late blight, Anthracnose, Phytophthora and Septoria leaf spots, Cladosporium gray mold. Use 1 to 4 pounds BASF Zineb 80 WP per acre. Apply when disease appears and repeat at 7 to 10 day intervals as needed. Do not apply within 5 days of harvest. For control of Phytophthora Anthracnose, Rip rot, use 4 to 8 pounds BASF Zineb 80 WP per acre.

Field Crops

PEANUTS - Cercospora Leaf Spot. Use 1 to 2 pounds BASF Zineb 80 WP per acre. Apply in sufficient water for adequate coverage. Begin treatment when disease is first noted and continue applications at 10 to 14 day intervals depending upon severity of the disease. Do not use treated peanut hay for livestock feed.

WHEAT - Stem and Leaf Rust. Apply BASF Zineb 80 WP in sufficient water when plants are in leaf to early boot stage. For control of stem rust, begin treatment at weekly to 10 day intervals during the growing season.

HOPS - Pacific Northwest only. Downy mildew. Apply BASF Zineb 80 WP in sufficient water for good coverage. Begin treatment when disease is first noted. Spray vines at first blighting and repeat at 5 to 7 day intervals until 14 days of harvest.

Plant Beds

TOBACCO - Blue Mold. Begin applications when plants emerge or when blue mold is first reported in area. Spray regularly 2 to 3 times per week during periods of good weather. Repeat applications immediately after a rain. Use 3 pounds BASF Zineb 80 WP per 100 gallons (2 level tablespoons per gallon). Apply at 3 to 5 gallons per 100 square yards of plant bed, depending on size of plants.

LETTUCE, PEPPERS - Damping-off. Drench beds weekly after seeding with 1/2 gallon per square yard of mixture containing 1 pound BASF Zineb 80 WP per 50 gallons water.

NOTE: To improve wetting and distribution of BASF Zineb 80 WP spray on difficult to wet crops, add 2 to 4 ounces Citowett Plus per 100 gallons of spray. Pre-mix the quantity of Citowett Plus desired per tankful in a bucket of water and add to sprayer as filling is completed. Citowett Plus is suggested as the best choice where spreaders are recommended or desired for use with BASF Zineb 80 WP. Other types of brand of pesticide spreaders may also be used. BASF Zineb 80 WP can also be used in the above applications without any spreaders, but this may result in poor coverage of the foliage.

Ornamentals

GENERAL INSTRUCTIONS - Use BASF Zineb 80 WP in sufficient water for good coverage. 1 level tablespoonful per gallon. Spray plants thoroughly.

AZALEAS & CAMELIAS - Petal blight, leaf spot, stem canker, scale, and other diseases. Direct spray into flowers. Spray at 2 to 4 gallons per 100 square feet.

GLADIOLUS - Botrytis blight, Curvularia Stemmy rot. Begin treatment when disease is first noted under severe disease conditions, from early stage until peak bloom.

SNAPDRAGONS, CHRYSANTHEMUMS, CARNATIONS, HOLLYHOCKS - Botrytis leaf spot and Anthracnose. Apply at weekly to 10 day intervals as soon as disease conditions threaten. For control of Botrytis Petal Spot and Anachyta Blight, make applications twice weekly during the flowering season.

ROSES - Black Spot. Apply at weekly intervals beginning when first signs of disease are in your area.

CARNATION BENCHES - Fusarium Root Rot. Drench benches with 1/2 gallon of water with 1/4 pound BASF Zineb 80 WP in 12 gallons per square foot of bench.

TURF GRASSES - For Helminthosporium diseases: Fading Out (Curvularia) Rust and Scape molds, use 2 ounces BASF Zineb 80 WP in 3 to 5 gallons per 100 square feet of turf. Begin applications as soon as disease appears and repeat every 7 to 14 days until disease threat is past.

For Pythium blight or spring spot, use 1 ounce BASF Zineb 80 WP in 3 to 5 gallons per 100 square feet of turf. Begin applications as soon as disease appears and repeat every 7 to 14 days when disease is first noted and 4 days when disease is common. Continue applications until disease threat is past.

Follow label directions for control recommendations for further details on application timing.

Do not graze livestock. Do not feed to poultry or swine.

Warranty And Disclaimer

Seller warrants that the product described herein is as represented on the label. It is for the purchaser's use only under normal conditions of use. But neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. This warranty is made by the manufacturer, Wyandotte Corporation, Wyandotte, Michigan. The purchaser is advised that the product is registered with the EPA under Reg. No. 7969-18.

EPA Reg. No. 7969-18

CITOWETT is a registered trademark of a product manufactured by Badollet America & Soda Fertilizer and Chemicals, Inc., St. Louis, Missouri.

ACCEPTED WITH COMMENTS