

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 18 1983

CYPREX® 65-W
FRUIT FUNGICIDE



Active Ingredient
Dodine (n-dodecylguanidine acetate) 65.0%
Inert Ingredients 35.0%

For control of certain diseases of apples,
cherries, peaches, pears and pecans.

EPA Reg. No. 241-51-AA

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

DANGER!

See Side Panel For Additional Precautions

PELIGRO!

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta
le haya sido explicada ampliamente.

ENGLISH TRANSLATION

DANGER!

(TO THE USER: If you cannot read English, do not use this product until the label
has been fully explained to you.)

In case of an emergency endangering life or property involving this
product, call collect, day or night, Area Code 201-835-3100.

NET WEIGHT: 5 lbs.

24627-34

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PRECAUTIONARY STATEMENTS

DANGER

HARMFUL IF SWALLOWED

CAUSES EYE BURNS

Do not get in eyes or on skin. Wear gloves and goggles when handling. Avoid breathing of dust. Keep container closed. Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling. Do not contaminate food or feed products.

FIRST AID

If swallowed, drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

In case of contact, immediately flush eyes with plenty of water. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to lakes, streams or ponds. DO NOT apply when weather conditions favor drift from target area. DO NOT contaminate water by cleaning equipment or disposal of waste.

STORAGE AND DISPOSAL DIRECTIONS

- | | |
|---------------------|--|
| Prohibitions: | Do not contaminate water, food or feed by storage and disposal. Store in a secure place. Open dumping is prohibited. Store in a cool dry place and keep container tightly closed. |
| Pesticide Disposal: | Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act. |
| Container Disposal: | Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities. |

DILUTE AND CONCENTRATE SPRAYS: CYPREX 65-W may be used effectively in dilute and concentrate sprays when applied properly to deliver the recommended rate (lb. per acre). Trees must be covered uniformly. Fruit and foliage should not be excessively drenched with dilute sprays. Avoid heavy deposits when using concentrate sprays.

INSTRUCTIONS FOR MIXING CYPREX 65-W

CYPREX 65-W, a fine wettable powder, should be added directly to the spray tank when half filled with water. Keep agitator running during filling and spraying. Do not wash wettable powder through filter screen into spray tank.

COMPATIBILITY

Experience indicates that CYPREX 65-W can be used effectively at recommended dosages with most of the commonly used fungicides, insecticides and acaricides such as:

Cygon* dimethoate
diazinon
Karathane[®] dinocap
ferbam

Imidar[®]
Omite[®]
sulfurs
zineb

--and wettable powder formulations of--

Guthion[®]
azinphosmethyl
Sevin[®] carbaryl
Mitox[®] chlorbenside
Kelthane[®] dicofol
Thiodan[®] endosulfan

malathion
Dimecron[®]
phosphamidon
parathion
ryania

While CYPREX 65-W has been used satisfactorily with emulsifiable concentrate formulations and flowable (water-based) emulsions, it is desirable to check the compatibility of this type combination before materials are mixed in the spray tank. CYPREX 65-W is not compatible with Acaraben[®] chlorobenzilate, Bordeaux mixture, fixed copper, Fundal[®], Galecron[®], lime or lime sulfur. Observe all cautions and limitations on labeling of all products used in mixtures.

CYPREX 65-W AND OIL

Tank-mix combinations of CYPREX 65-W and oils of 60-75 viscosity have been used effectively as a delayed dormant application on apples. Oils of the slow-breaking type are suggested for tank mixing with CYPREX 65-W. Liquid concentrate or flowable (water-based) emulsion formulations of the phosphate insecticides have been used satisfactorily in CYPREX 65-W oil systems. Wettable powder formulations of parathion, Guthion[®] azinphosmethyl, Trithion[®] carbophenothion and certain other insecticides have appeared suitable in limited trials. CYPREX 65-W oil mixtures are not compatible with wettable powder malathion, Sevin[®] carbaryl, zineb, ferbam and sulfurs.

Because uniform dispersibility and sprayability may be influenced by the particular oil or phosphate insecticide formulation used or by the local water supply, it is recommended that compatibility be determined before adding pesticides to the spray tank.

PROCEDURE FOR TANK-MIXING CYPREX 65-W, INSECTICIDE AND OIL

Maintain continuous agitation from the time CYPREX 65-W is added to the spray tank until mixture is sprayed out:

1. CYPREX 65-W should be added to the tank when one-quarter to one-half full with water and allowed to mix thoroughly.
2. If insecticide is used, add as tank is filling.
3. Add self-emulsifying oil last when tank is nearly three-quarters full.

Consult your state agricultural experiment station or state extension service for information on self-emulsifying oils and pesticide formulations for tank mixing with CYPREX 65-W.

DIRECTIONS FOR USE

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

Consult your state experiment station or state extension service for proper timing of sprays. Do not graze cover crops in treated orchards.

Apple: Scab - Protection Schedule (Ground Application) - Use 1-2 lbs. per acre CYPREX 65-W at 5 to 7-day intervals or as needed to maintain scab control from prebloom through the first cover applications. Use 1 lb. per acre CYPREX 65-W in subsequent cover sprays as needed.

CYPREX 65-W may be used in a delayed dormant oil schedule. Use 1 to 2 lbs. CYPREX 65-W with 8 gallons of oil of 65-75 viscosity per acre. For mixing instructions, refer to "CYPREX 65-W and Oil" section on label.

(Air Application) - Use 1½ lbs. CYPREX 65-W per acre in 5 to 7 gallons of spray at 5 to 7-day intervals or as needed to maintain scab control from prebloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

"After-infection" Applications - After an infection period has started, use 3 lbs. per acre CYPREX 65-W during or following a rain from prebloom through first cover applications and, in later cover sprays, as needed. While timing of the spray may vary considerably depending upon temperatures, it is recommended that application be made within 36 hours from the beginning of the rain or wet period which caused the infection.

Do not apply within 7 days of harvest.

Wettable sulfur can be used in combination with CYPREX 65-W for control of powdery mildew on apples. Consult your state extension service for proper rates and timing of sprays.

CYPREX 65-W TREATED APPLES SHOULD NOT BE USED IN THE MANUFACTURE OF APPLE POMACE FOR USE IN LIVESTOCK FEEDS. SUCH USE MAY RESULT IN ILLEGAL RESIDUES IN MILK OR MEAT.

Fruit color and finish on most apple varieties sprayed with CYPREX 65-W at recommended dosages have frequently been outstanding.

CYPREX 65-W may cause russetting of Golden Delicious and Grimes Golden apple varieties if applied during cool, slow drying weather conditions. Do not use on these varieties under these conditions.

Freezing or near-freezing temperatures, particularly when accompanied by slow-drying conditions may injure apple fruit or prebloom or fruit to crown injury. Do not exceed 2 lbs. CYPREX 65-W per acre immediately before, during or immediately after a period of such conditions.

Cherry (Sour and Sweet): Leaf Spot • Use 1 to 2 lbs. CYPREX 65-W per acre at petal fall or when first leaves unfold. Repeat application thereafter at 7 to 10-day intervals. If conditions favor leaf spot, continue applications through harvest. **Post-Harvest Sprays:** Apply 1 to 2 lbs. CYPREX 65-W per acre immediately after harvest and as needed. **Blossom Brown Rot (Western States Only):** Use 2 lbs. CYPREX 65-W per acre at the time petals begin to open. Repeat application at full bloom and again at petal fall.

Wettable sulfur can be used in combination with CYPREX 65-W for control of powdery mildew on cherries. Consult your state extension service for proper rates and timing of sprays.

Applications of CYPREX 65-W to cherries when temperatures and humidity are excessively high may cause spotting to foliage or fruit.

Peach: Bacterial Spot • Under light to moderate disease conditions, use 2 lbs. CYPREX 65-W and 4 lb. captan (50%) per acre (use ½ lb. CYPREX 65W and 1 lb. captan (50%) per 100 gallons of spray) at shuck-split and repeat application at 7 to 10-day intervals through the cover sprays. Shorten intervals during wet periods as needed to maintain maximum protection against infection.

Do not use concentrate sprays higher than 3X.

Do not apply within 15 days of harvest.

Captan or the CYPREX-captan mixture is toxic to fish. Do not contaminate any body of water.

When it is necessary to use an insecticide with the combination, the wettable powder formulation of parathion is suggested. Limited experience indicates that wettable powder formulations of Guthion[®] azinphosmethyl, Kelthane[®] dicofol, Tedion[®] tetradifon, and Thiodan[®] endosulfan are compatible with the mixture. Do not combine CYPREX 65-W and captan with solvent formulations of insecticides or sulfur. Spray injury may result if the combination is applied with, immediately before, or closely after an oil or zinc sulfate-lime spray.

Peach: Leaf Curl (Western States Only) • Use 4 lbs. CYPREX 65-W per acre just before buds swell in the spring. If leaf curl was moderate to severe the previous season, use 4 lbs. CYPREX 65-W per acre 1 month before buds swell in the spring and again just prior to bud swelling. **Blossom Brown Rot (Western States Only)** • Use 2 lbs. CYPREX 65-W at the time petals begin to open. Repeat application at full bloom and again at petal fall.

Do not apply after petal fall.

Pear: Scab (Western States Only) • Use 3 lbs. CYPREX 65-W per acre of spray at 5 to 7-day intervals or as needed to maintain scab control from prebloom through petal fall and again in first cover. Use 2 to 3 lbs. CYPREX 65-W in subsequent sprays as needed.

Do not apply within 7 days of harvest.

(Air Application-Oregon Only). Use 2 to 3 lbs. CYPREX 65-W per acre in 5 to 7 gallons of spray at 5 to 7 day intervals or as needed to maintain scab control from prebloom through the first cover sprays. Repeat application in subsequent cover sprays as needed.

Do not apply within 7 days of harvest.

Pecans: Scab, liver spot, brown leaf spot, downy leaf spot, leaf blotch, downy mildew (Ground Application) • Use 2 to 4 lbs. CYPREX 65-W per acre of spray. Begin applications when first leaves are showing and repeat at 10 to 14-day intervals through first cover. Repeat applications at 2 to 3-week intervals or as needed to maintain disease control.

(Air Application) • Use 2 lbs. CYPREX 65-W per acre in a minimum of 20 gallons of spray. Begin applications when first leaves are showing and repeat at 10 to 14-day intervals through first cover. Repeat application at 2 to 3-week intervals or as needed to maintain disease control. Under severe scab conditions, use 4 lbs. CYPREX 65-W per acre in a minimum of 20 gallons of spray.

Do not apply after shucks have started to open.

Do not graze meat or dairy animals in treated groves.

CYPREX 65-W has been used effectively on most pecan varieties. Severe foliage injury has been experienced on Moore and Van Deman in the Southeast.

Strawberry: Leaf Scorch, Leaf Spot and Leaf Blight • Use 1½-2 lbs. CYPREX 65-W per acre in sufficient water (250-300 gallons) for thorough plant coverage. Make first application as soon as new growth starts and repeat sprays at weekly intervals.

Do not apply within 14 days of harvest.

Black Walnut: Anthracnose (Leaf Blight) • Use 4 lbs. CYPREX 65-W per acre when first leaves unfold. Repeat application at 10 to 14-day intervals. Do not graze meat or dairy animals in treated groves.

DISCLAIMER

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use.

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damage such as loss of profits or values, etc.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

User assumes the risk of any use contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.

A license is granted to any owner hereof to use the within contents in practicing the invention of U.S. Patent No. 2,867,562 claiming methods of controlling fungus organisms which attack fruit trees, a prepaid royalty being included in the selling price of such contents to the original purchaser hereof. A nontransferable license under said patent may be obtained from American Cyanamid Company on current royalty terms whatever the source of the material used.

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Attention: R. D. Linkfield

Gentlemen:

Subject: Cyprex 65-17 Fruit Fungicide
EPA registration no. 241-51
Your letter dated February 9, 1983

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/re-registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. In the Environmental Hazard Statement change "Do not...pour" to "Do not apply directly to water."
 - b. Check the validity of the claim "downy mildew" on pecans as we do not have any record of this disease being reported on pecans.
 - c. If there are any gallonage limitations for the dilute and concentrated sprays, they must be stated on the label.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.


If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

COMMENTS							
SYMBOL							
SIGNATURE							
DATE							

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A stamped copy of the label is enclosed for your records.

Sincerely yours,


Henry H. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

TS-767:H.JACOBY:DCR-25738:WANG-2836C:gma:Raven:479-2013:3/3/03