

## **MISCELLANEOUS: DOUGLAS FIR - SWISS NEEDLECAST**

### General Information

#### PRODUCT INFORMATION

PENNCOZEB 80WP is a wettable powder containing a coordination product of zinc ion and manganese ethylenebisdithiocarbamate, and is labeled for use as a spray for the control of many important plant diseases.

PENNCOZEB 80WP also may be used for manufacturing, repackaging, or formulation of other fungicides if the formulator, user group or grower has complied with U.S. EPA data submission requirements regarding the support of such uses.

#### INSTRUCTIONS FOR APPLICATION

Apply PENNCOZEB 80WP at the rate range indicated for the crop/disease in sufficient water for thorough coverage. For ground applications, apply in a minimum of 10 gallons per acre for field/row crops and 20 gallons per acre for orchard/tree and vine crops. For aerial applications, apply in a minimum of 2 gallons per acre for field/row crops and 10 gallons per acre for orchard/tree and vine crops.

Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

Use a Spreader Sticker at rate of 4 fl. oz. per 100 gallons spray if needed. Add product slowly to water in the spray tank with agitation, or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Continuous agitation is required to keep the product in suspension.

When dosage ranges are given, use the higher rate and shorter intervals under severe disease pressure, but do not exceed the maximum rate or apply more frequently than the minimum retreatment interval given in the directions for that crop.

#### MAXIMUM SEASONAL POUNDAGE WHEN USED IN CONJUNCTION WITH ONE OR MORE OTHER EBDC PRODUCTS

## FOLIAR APPLICATIONS

### Where EBDC Products Used Allow The Same Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

### Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season

If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

## SEED TREATMENT

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application for seed treatment may be made on crops which have registered seed treatment uses.

Note: This product is not recommended for the treatment of marigolds due to highly variable plant responses.

### Limitations, Restrictions, and Exceptions

## DOUGLAS FIR

Not for this use in California.

Begin application in spring or early summer before infection occurs. Repeat after heavy rains and at 14 day intervals as long as needed.

## Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

14 days

## Rates

[field\\_rates 0](#)

- 

Restricted Entry Interval

24 hours

## Timings

[In spring or early summer before infection occurs.](#)