

## **FIELD CROPS: OATS - HELMINTHOSPORUM LEAF SPOT, LEAF RUST, ETC.**

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

### OATS

Start application at onset of disease or when plants are in tillering to jointing stage and repeat at 7-10 day intervals. Do not make more than 3 applications in one

season. Do not apply more than 4.8 lbs. active ingredient (6.0 lbs. product) per acre per crop.

Do not apply within 26 days of harvest (46 days pre-harvest interval in California). Do not graze livestock in treated areas prior to harvest. Do not apply past Feekes Growth Stage 10.5 (typically 35-45 days), but no less than 26 days.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

26 days

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

24 hours

Timings

[At onset of disease or when plants are in tillering to jointing stage and repeat at 7-10 day intervals.](#)