

## **TOBACCO - PENNSYLVANIA CIGAR TOBACCO**

Limitations, Restrictions, and Exceptions

DIRECTIONS FOR USE: TOBACCO

### **BENEFITS**

To prevent sucker development on flue-cured, burley, dark, Maryland and cigar (Pennsylvania and Wisconsin) tobacco.

Applications of ROYAL MH-30 can influence the severity of bacterial wilt on tobacco during topping and harvesting. Disease suppression is dependent on timing of MH application.

### **PRODUCT INFORMATION**

ROYAL MH-30 is a potassium salt formulation of maleic hydrazide used to prevent sucker development in tobacco. Because ROYAL MH-30 is absorbed and moves inside the tobacco plant, spraying the whole plant is not necessary. See APPLICATION NOTES for additional important information.

### **APPLICATION EQUIPMENT**

Best results are obtained when ROYAL MH-30 is applied to the upper 1/3 to 1/2 of the plant. To obtain satisfactory control, it is very important to apply equal amounts of ROYAL MH-30 to each plant, at the correct time.

#### **Flue-Cured Tobacco**

Apply ROYAL MH-30 with powered spray equipment. Sprayers with 3 full cone nozzles per row, applying either a coarse spray (i.e, 20 to 30 psi) or a fine spray (40 to 50 psi), will give equivalent sucker control. Do not use drop nozzles, since such systems can deposit undesired spray on the underside of the leaves or on the lowest leaves, which are harvested first.

#### **Burley, Maryland, Dark and Cigar (Pennsylvania and Wisconsin) Tobacco**

Apply ROYAL MH-30 with motorized field sprayers (high-clearance or tractor-mounted) equipped with solid cone nozzles that deliver a coarse spray at 20 to 30 psi in a uniform spray pattern. For example, application may be made with a broadcast arrangement over the row on 20 to 24 inch boom spacings, or with a three solid cone nozzle arrangement directed over the row. With any sprayer setup,

the application must provide good, uniform coverage of the crop.

ROYAL MH-30 may also be applied with hand-held equipment, provided that a uniform spray pattern is delivered.

#### RATE AND TIMING OF APPLICATION

Apply the higher rate of ROYAL MH-30 when plants are very vigorous. Always remove any suckers present at topping time.

#### Pennsylvania Cigar Tobacco

Apply 1.5 to 2 gallons of ROYAL MH-30 in 50 gallons of water per acre. Apply ROYAL MH-30 within 24 hours of topping. Topping should be done when 25 to 50% of the plants in the field have one open flower. Existing suckers should be removed at topping time.

#### APPLICATION NOTES: TOBACCO

1. Always follow dosage recommendations carefully and spray field uniformly. Too little ROYAL MH-30 may result in less than desired sucker control; too much may reduce quality of tips.
2. Use only one application of ROYAL MH-30 per year, unless rains occur within 6 hours after application. Should washoff occur within 6 hours, a single repeat application may be made to ensure effective sucker control.
3. To control tobacco suckers effectively, apply ROYAL MH-30 at the proper time. Spraying too early in the season may prevent normal development of top leaves; spraying too late will allow some sucker growth.
4. Do not tank mix ROYAL MH-30 with other fungicides and insecticides. If used apply separately.
5. Do not use on tobacco plants grown for seed production.
6. Do not spray tobacco in the middle of hot, dry days when leaves are severely wilted. For best results spray during the early morning, or all day on cloudy days, avoiding late afternoon or night applications.
7. Closely hand-suckered tobacco or tobacco treated with ROYAL MH-30 will not ripen as rapidly as poorly suckered tobacco. Also, under some conditions ROYAL MH-30 treated tips have a tendency to turn yellow prematurely. This is not harmful and does not mean that your tobacco is ripe. Therefore, do not harvest tobacco treated with ROYAL MH-30 by using time and color of the leaves as your only guide to ripeness. Use other characteristics indicative of ripeness such as:
  - a. Fading of color from midrib.
  - b. Change in apparent leaf texture.

8. If tobacco plants have been grown under drought conditions, absorption of ROYAL MH-30 may be slow, and results may not be as good as when plants have been grown under normal conditions.

9. Allow at least 7 days after application before harvest.

10. Even though ROYAL MH-30 is non-volatile, no drift should be permitted onto nearby crops

Method

[Spray](#)

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[Within 24 hours of topping.](#)