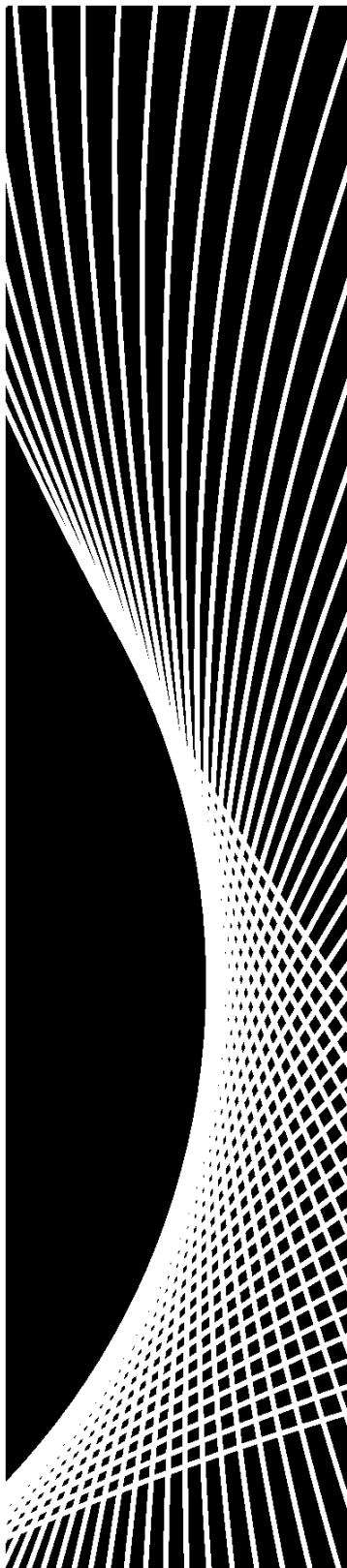


Royal MH-30[®] SG



Water Soluble Granule Growth Regulator - with Sorbatran[®] For Tobacco

Net
Contents:

Active Ingredient: (% by weight)
maleic hydrazide, potassium salt (CAS No. 28382-15-2)
(1,2-dihydro-3,6-pyridazinedione, potassium salt)..... 80.0%*
Inert Ingredients:..... 20.0%
Total:..... 100.0%

*Contains 60% maleic hydrazide by weight.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- | | |
|--------------------------------------|--|
| IF ON SKIN OR ON CLOTHING | <ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice. |
| IF IN EYES | <ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice. |

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

| | |
|--|---------------------|
| EMERGENCY PHONE | 800-292-5898 |
| SAFETY DATA AND INFORMATION | 866-430-2775 |
| TRANSPORTATION EMERGENCY (CHEMTREC) | 800-424-9300 |

EPA REG. NO. 400-165
EPA EST. NO.
011/062608

Manufactured for:
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Product of UK



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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and Other Handlers Must Wear: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride; shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 12 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

coveralls; chemical-resistant gloves made of any waterproof material; shoes plus socks

MIXING INSTRUCTIONS

ROYAL MH-30SG must be dissolved first if it is to be tank mixed with an insecticide or fungicide.

1. Be sure sprayer is clean and not contaminated with any material.
2. Fill tank $\frac{3}{4}$ full with clean water, and start agitation.
3. Pour ROYAL MH-30SG slowly from bag into tank. Avoid dumping contents all at once.
4. Allow 2 to 3 minutes agitation for dissolving.
5. Add compatible tank mix insecticide or fungicide if needed and appropriate. See Application Notes for additional compatibility information.
6. Complete filling tank.

DIRECTIONS FOR USE: TOBACCO

BENEFITS

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

GENERAL INFORMATION

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

APPLICATION EQUIPMENT

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

Flue-Cured Tobacco

Apply ROYAL MH-30SG 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-30SG 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.

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

With any sprayer setup, the application must provide good, uniform coverage of the crop.

RATE AND TIMING OF APPLICATION

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

Flue-Cured Tobacco

Apply 4 to 5 pounds of ROYAL MH-30SG in 40 to 50 gallons of water per acre as a coarse or fine spray. Application should be made 5 to 7 days after the last contact treatment, or when the uppermost harvestable leaves are a minimum of 8 inches long.

Burley and Maryland Tobacco

Top and sucker the plants when 10 to 25% of the plants in the field have one open flower. Remove all existing suckers, and apply ROYAL MH-30SG within 24 hours, at a rate of 4 to 5 pounds of product in 50 gallons of water per acre. Tip leaves to be harvested should be at least 8 inches long at time of topping, suckering and ROYAL MH-30SG application.

Dark Tobacco

Apply 4 to 5 pounds of ROYAL MH-30SG in 50 gallons of water per acre. Apply ROYAL MH-30SG within 24 hours after topping. Topping should be done when 10 to 25% of the plants in the field have one open flower. Existing suckers should be removed at topping time.

Wisconsin Cigar Tobacco

Apply 4 to 5 pounds of ROYAL MH-30SG in 50 gallons of water per acre. Apply ROYAL MH-30SG within 24 hours after topping. Tobacco should be topped between the time when the first flowers open and not later than when 50% of the plants are in flower. Existing suckers should be removed at topping time.

Pennsylvania Cigar Tobacco

Apply 4 to 5 pounds of ROYAL MH-30SG in 50 gallons of water per acre. Apply ROYAL MH-30SG 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-30SG may result in less than desired sucker control; too much may reduce quality of tips.
2. Use only one application of ROYAL MH-30SG 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-30SG 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. Compatibility studies with ROYAL MH-30SG and foliage applied fungicides and insecticides have not been completed. Separate application is recommended.
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-30SG will not ripen as rapidly as poorly suckered tobacco. Also, under some conditions ROYAL MH-30SG 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-30SG by using time and color of the leaves as your only guide to ripeness. Use other characteristic 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-30SG 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-30SG is non-volatile, no drift should be permitted onto nearby crops.
11. **SURFACE WATER ADVISORY:** Under some conditions, maleic hydrazide may have a significant potential for runoff into surface water (primarily via dissolution in runoff water), for several days post-application. Conditions favoring runoff include poorly draining soils or wet soils with readily visible slopes, frequently flooded areas, areas where an intense or sustained rainfall is forecast to occur within 48 hours, areas overlying extremely shallow ground water, and areas overlying tile drainage systems that flow to surface water.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in the original container only. After partial use, close container tightly. Store in a secure place that is temperate and dry.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

EQUIPMENT CLEANING: ROYAL MH-30SG is not corrosive to spray equipment. Following applications, all spray equipment should be thoroughly rinsed with water. Do not contaminate water by disposal of equipment washwaters.

CONTAINER DISPOSAL: Nonrefillable container. Do not refill or reuse. Offer for recycling, if available.

Bags or fiber cartons with liners: Completely empty liner or bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner or bag in a sanitary landfill, or by incineration if permitted by State and local authorities. Dispose of carton in the same manner.

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label 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 conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.**

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® SORBATRAN is a registered trademark of Chemtura Corporation for its proprietary spray adjuvant.

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