

HERBS AND SPICES	
Crops	Pests
Anise	Aphids
Balm	Spider mites
Basil	Flea beetles
Borage	Leafhoppers
Camomile	
Caraway	
Catnip	
Chives	
Celery	
Coriander	
Cumin	
Curry leaf	
Dandelion	
Dill	
Fennel	
Mint	
Marigold	
Marjoram	
Pennyroyal	
Peppermint	
Rosemary	
Rue	
Sage	
Savory	
Spearmint	
Sweet Bay	
Tarragon	
Thyme	
Wintergreen	

NUTS	
Crops	Pests
Almond	Aphids
Beach nut	Peach twig borer
Brazil nut	Fruittree leafroller
Butternut	San Jose scale
Cashew	Chestnut weevil
Chestnut	Filbert aphids
Filberts	Filbert leafroller
Hickory nuts	Filbertworm
Macadamia	Black margined aphid
Pecan	Fall webworm
Pistachio	Lesser webworm
Walnut	Hickory shuckworm
	Pecan leaf phylloxera
	Pecan nut casebearer
	Pecan spittlebug
	Pecan stem phylloxera
	Pecan weevil
	Twig girdler
	Walnut caterpillar
	Calico scale
	Codling moth
	Frosted scale
	Navel orange worm

MISCELLANEOUS	
Crops	Pests
Cotton	Greenhouse whiteflies Sweet potato whiteflies Thrips Tobacco budworms Cotton bollworms Loopers Armyworms Cotton leafperforators Leafminers Leafrollers Pink bollworms Boll weevils Leafhoppers Cutworms

WARRANTY

W. R. Grace & Co.-Conn. warrants that the material contained herein shall substantially conform to the chemical composition stated herein. The foregoing warranty is in lieu of all other warranties, expressed and implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly disclaimed. Buyer's sole remedy shall be replacement of defective material or refund of the purchase price. In no event shall Grace be liable for any injury, loss, or damage, direct, indirect, incidental, or consequential arising out of the use of this material.

1125
400-84
31

Willard F. Cummings
Uniroyal Chemical Co., Inc.
74 Amity Rd.
Bethany, CT 06524-3402

Dear Mr. Cummings:

Subject: Revised Labeling
Royal MH-30
EPA Registration No. 400-84
Royal MH-30 SG
EPA Registration No. 400-165
Your Submissions Dated October 3, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Title 40 Code of Federal Regulations § 156.10(g) requires that Active Ingredient and Inert Ingredients be of equal prominence. Either delete the bold for Active Ingredient or make Inert Ingredients bold.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Please note that the recently issued Maleic Hydrazide RED will require further label revisions at time of your 8 month response.

Sincerely yours,

15/

Cynthia Giles-Parker
Product Manager (22)
Fungicide Herbicide Branch
Registration Division (7505C)

Enclosure

ROYAL MH-30[®]

LABEL J

Marked up to indicate changes
(see attached KEY)

GROWTH RETARDANT - WITH SORBATRAN[®] CONTROLS TOBACCO SUCKER GROWTH

Net contents:

devised label
COMPOSITION

Active Ingredient: (% by weight)

Potassium salt of 1,2-dihydro-3,6-pyridazinedione 21.7%

Inert Ingredients: 78.3%

Total: 100.0%

(A) →

* Contains 1.5 pound of maleic hydrazide per U.S. gallon.

* Contains 180 grams of maleic hydrazide per liter

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; waterproof gloves; 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 or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-5)], 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. (B)



Uniroyal Chemical Company, Inc., Middlebury, CT 06749

EPA Reg. No. 400-84

EPA Est. No.

005WPS

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.

BEST AVAILABLE COPY

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, waterproof gloves, shoes plus socks.

(C)

and cigar (Pennsylvania and Wisconsin) tobacco.

GENERAL INFORMATION

ROYAL MH-30 is a potassium salt formulation of maleic hydrazide used to prevent sucker development in tobacco. Since ROYAL MH-30 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-30 is applied to the upper 1/2 to 3/4 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 25 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

ROYAL MH-30 may be applied with either power or hand-held spray 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.

Flue-Cured Tobacco

Apply 1.5 to 2 gallons of ROYAL MH-30 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

Apply 1.5 to 2 gallons of ROYAL MH-30 in 40 to 50 gallons of water per acre. Apply ROYAL MH-30 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. Tip leaves to be harvested should be at least 8 inches long at time of topping and spraying.

Dark Tobacco

Apply 1.5 to 2 gallons of ROYAL MH-30 in 40 to 50 gallons of water per acre. Apply ROYAL MH-30 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 1.5 to 2 gallons of ROYAL MH-30 in 40 to 50 gallons of water per acre. Apply ROYAL MH-30 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 1.5 to 2 gallons of ROYAL MH-30 in 40 to 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

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 season, 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

4. Compatibility studies with ROYAL MH-30 and other tobacco chemicals 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-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.

NOTE: ALWAYS SHAKE OR STIR WELL BEFORE USE.

STORAGE AND DISPOSAL

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

STORAGE: Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate and dry. The active ingredient in ROYAL MH-30 will separate from the surfactant at temperatures above 134°F. If containers are exposed to excessive heating, the contents can be remixed by lowering the temperature of the entire formulation below 134°F and applying agitation. ALWAYS SHAKE OR STIR WELL BEFORE USE.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot 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-30 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: Plastic Containers: Triple rinse (or equivalent). Pressure rinse preferred. Then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

ROYAL MH-30 is a Registered Trademark of Uniroyal Chemical Company, Inc.
SORBATRAN is a Registered Trademark of Uniroyal Chemical Company, Inc. for its proprietary spray adjuvant.
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ROYAL MH-30[®] (tobacco)
EPA Reg. No. 400-84

KEY TO CHANGES
(see highlighted copy marked up to indicate changes)

- Ⓐ = Minor rewording of Pounds/Gallon statement, plus addition of metric equivalent.
- Ⓑ = Minor change in wording, for consistency with other product labels and/or improvement of grammar or syntax.
- Ⓒ = Voluntary addition of precautionary statements, as part of an in-house label improvement program.
- Ⓓ = Voluntary addition for clarification.
- Ⓔ = Voluntary referral statement.
- Ⓕ = Revised and reorganized application timing, rate and equipment directions. See attached cover letter for discussion.
- Ⓖ = Combines "Notes" #4 and #10 on previously approved label.
- Ⓗ = Combines "Notes" #11 and #3 on previously approved label.
- Ⓘ = Voluntary reiteration of "washwaters" precautionary statement. Repetitive, but appropriate in this context.
- Ⓙ = Voluntary addition of additional rinse directions, to reflect currently available technology.
- Ⓚ = Voluntary addition of footnote to define proprietary adjuvant SORBATRAN.