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P. 195
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 22 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Allen R. Blem
UNIROYAL CHEMICAL CO. INC.
74 AMITY ROAD
BETHANY, CT 06524

Subject: Label Amendment Submission of 09/15/93 in Response to PR Notice 93-7
EPA Reg. No. 400-451
ROYALTAC (R) - M CONTACT TOBACCO SUCKER CONTROL AGEN

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

275

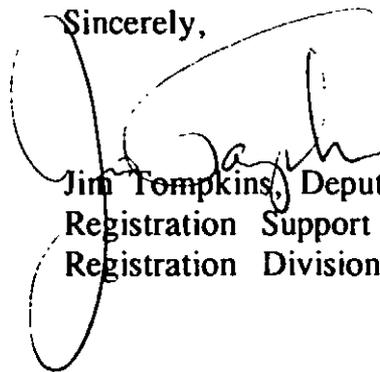
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

ALLEN R. BLEM
UNIROYAL CHEMICAL CO INC
74 AMITY RD
BETHANY CT 06524

Comment for: EPA Reg Nr.400-451
ROYALTAC (R)-M CONTACT TOBACCO SUCKER CONTROL AGEN

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

No comment.

ROYALTAC[®]-M

415

CONTACT TOBACCO SUCKER CONTROL AGENT

**UNIROYAL
CHEMICAL**

ACCEPTED
with COMMENTS
in EPA Letter Dated
MAR 22 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

400-451

COMPOSITION

Active Ingredient: (% by weight)

Fatty Alcohols*	85.0%
(C6-0.5%, C8-45.4%, C10-53.9%)	
Inert Ingredients	15.0%
Total:	100.0%

*Contains 6.04 pounds of active ingredients per U.S. gallon or 725 grams per liter.

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749

EPA REG. NO. 400-451

002WPS

EPA EST. NO.

NET CONTENTS

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg white or gelatin solution; if not available drink large amounts of water. Avoid alcohol. Call a physician immediately.

IF IN EYES: Wash with plenty of water for at least 15 minutes. Call a physician.

IF INHALED: If abnormal symptoms develop, see a physician.

NOTE TO ATTENDING PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Corrosive, causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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)(4-6)], 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

Keep out of lakes, streams or ponds. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor run-off or drift from target area. Do not contaminate water.

BEST AVAILABLE COPY

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

CHEMIGATION PROHIBITION: 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 24 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; protective eyewear.

GENERAL INFORMATION

ROYALTAC-M is a contact sucker control agent for flue-cured, burley and dark tobacco. Direct contact of ROYALTAC-M spray with the small suckers is essential for control.

ROYALTAC-M should be followed by a sequential application of a systemic sucker control agent such as ROYAL-MH30. Precautions on the MH product must be observed.

CAUTION

1. Application rates of ROYALTAC-M concentrations higher than recommended levels may cause leaf damage.
2. Shake well before using. Add ROYALTAC-M to the sprayer before the water and then maintain a good bypass or mechanical agitation of the diluted mixture.
3. Do not mix ROYALTAC-M with other chemicals unless so specified.
4. Be sure spray equipment is clean prior to using.
5. Do not spray during windy days when leaves may cover suckers in the leaf axis.
6. BE SURE TOBACCO PLANTS ARE DRY AT TIME OF APPLICATION.

DIRECTIONS FOR USE TIME OF APPLICATION

ROYALTAC-M can be applied either before or after topping, preferably just after buttons have elongated and before flowers start to open. At this stage very few suckers are large enough to require removing by hand. Best results are usually obtained by spraying with ROYALTAC-M and topping within a week. If tobacco is topped first, apply ROYALTAC-M within two days after topping. Any suckers larger than one inch should be removed while topping. A second ROYALTAC-M application may be needed if sucker growth is very vigorous or tobacco growth is irregular. Do not spray during the middle of the day in very hot weather or leaf burn may occur. Injury may also result if ROYALTAC-M is applied to underside of the tobacco leaf; thus, application in winds high enough to turn over the top leaves is not recommended.

RATE OF APPLICATION

For Use On Flue-Cured Tobacco

Apply 1½ to 2.0 gallons of ROYALTAC-M in 48 gallons of water. Apply 50 gallons of the diluted mixture per acre. A second application of 2.0 gallons per acre may be made about 3 to 5 days after the first treatment. The second application will likely be needed when sucker growth is vigorous or the tobacco growth is irregular. Apply ROYAL MH-30 systemic sucker control agent at dosages recommended on the label, 7 to 10 days after the last application of ROYALTAC-M.

For Use On Burley Tobacco

Apply 1½ to 2.0 gallons of ROYALTAC-M in 48 gallons of water. Apply 50 gallons of the diluted mixture per acre. For hand sprayer use 4 to 5 ounces per gallon of water.

For Use On Dark Tobacco

Apply 6 to 8 ounces of ROYALTAC-M per gallon of water. If applied by hand, one gallon of diluted solution will treat 130 to 190 plants.

METHOD OF APPLICATION

When applied with power equipment: three nozzles per row should be used. One nozzle should be directed downward over the center of the row and one should be 9 inches on either side directed at or slightly above the top of the stalk. The diluted ROYALTAC-M should be applied to the topped tobacco as a coarse spray from a height of 12 to 16 inches above the top of the stalk. It is recommended that boom pressure be kept at 20 to 25 pounds and should never exceed 30 pounds.

When a power sprayer is used, be sure the solution is thoroughly mixed before the spraying operation begins; maintain good agitation.

If you use a hand held or back pack sprayer: the diluted emulsion should be applied at a rate of 2/3 to one ounce per plant (or enough to insure run down to the bottom of the plant). A coarse spray is recommended, directed downward at the top of the stalk from 6 to 8 inches above the top leaves. Very little tank pressure is required, and in no case should more than 20 pounds be used.

TANK MIX TREATMENT

For sucker control on the flue-cured tobacco, a tank mix of ROYAL MH-30 plus ROYALTAC-M may be made.

Timing: Use a tank mix of ROYAL MH-30 plus ROYALTAC-M at early flower growth stage. Tobacco should have been topped and any suckers over 1" long removed. This tank mix usually follows a contact sucker chemical application, applied in the button stage.

How to spray: The spray mixture should be directed to the upper 1/3 of the plant and the sprayer operated at low pressure, similar to a contact application to insure that spray droplets are large enough for some of the mixture to run down the stalk.

Rate of Application: Mix 1½ gallons of ROYAL MH-30 and 1½ gallons of ROYALTAC-M in about 47 gallons of water for each acre. Maintain good agitation after mixing and while spraying.

NOTE: Use only one application of this tank mix per season. Tobacco should not be harvested earlier than 7 days after application of this tank mix. Read and observe label precautions appearing on both ROYAL MH-30 and ROYALTAC-M before using.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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: ROYALTAC-M is not corrosive to spray equipment. Following applications, all spray equipment should be thoroughly rinsed with water.

CONTAINER STORAGE AND HANDLING: Store in a cool, dry location. Shake well before using. Avoid contamination of food-stuffs, feeds, fertilizers, seeds, plants and pesticides.

CONTAINER DISPOSAL:

Plastic Containers: Triple rinse (or equivalent). Then offer recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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 for 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.

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