

400-135

7/22/2010

1096



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
400-135

Date of Issuance:
JUL 22 2010

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:
Royaltac

Name and Address of Registrant (include ZIP Code):
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:
1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

Signature of Approving Official:

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

Date:
JUL 22 2010

EPA Reg. 400-135

Page 2

- 2) Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

“DANGER

Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.”

- 3) The PPE must be revised to read:

“Some materials that are chemical-resistant to this product are made of barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:

Long-sleeved shirt and long pants,
Shoes plus socks,
Chemical-resistant gloves.”

- 4) Per the Aliphatic Alcohol RED label table, the text in **bold type** below must be added to the following User Safety Requirements:

“...If no such instructions for washables **exist**, use detergent and hot water...”

- 5) The text in bold type must be added to the User Safety Recommendation text currently on the label:

“User should remove clothing / **PPE** immediately if pesticide gets inside.”

- 6) To the Environmental Hazards add “or rinseate” after “washwaters”. Under “If a hand held or back pack sprayer is used” change “should be applied at a rate” to “must be applied at a rate”.

- 7) To the Notice section, add “to the extent consistent with applicable law” in front of “Seller warrants that this product”.

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label. If these EPA conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these EPA Reg. conditions. This label supersedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Enclosure: Product Chemistry Review
Acute Toxicology Review

3066

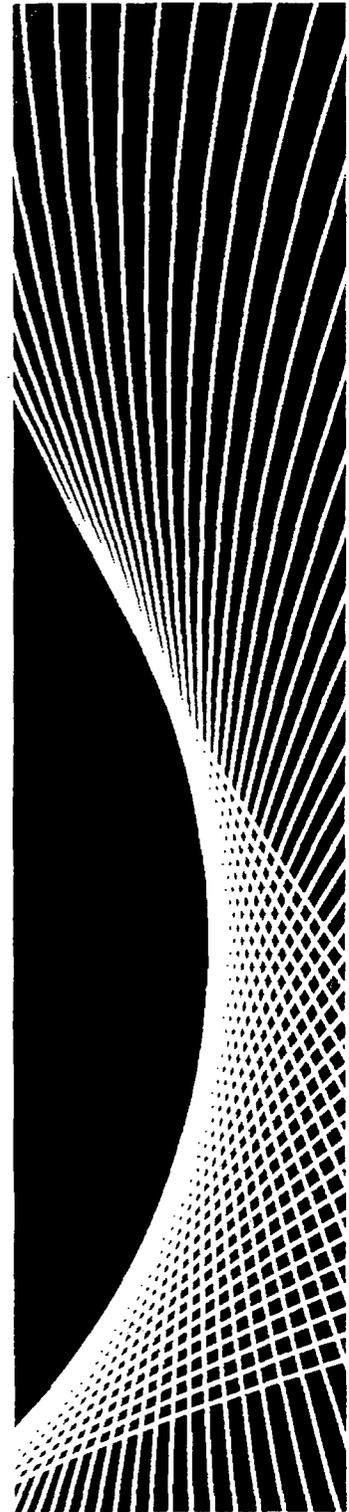
ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 22 2010

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

400-135

Royaltac®



Contact Sucker Control on Tobacco

Net
Contents:

Active Ingredient: (% by weight)	
n-decanol (CAS No. 112-30-1)	78.4%*
Other Ingredients:	21.6%
Total:	100.0%

*Contains 5.7 pounds of active ingredient per gallon.

*Contains 684 grams of active ingredient per liter.

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.)

FIRST AID	
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 lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.
NOTETOPHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	
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. 400-135
EPA EST NO.
009

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749



www.chemtura.com

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

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear such as goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

Mixers, Loaders, Applicators and Other Handlers Must Wear: long-sleeved shirt and long pants; 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)(4-5)], 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into 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 cleaning of equipment or disposal of wastes.

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 48 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; protective eyewear

FOR USE ON TOBACCO

ROYALTAC® is a contact tobacco sucker control agent for use on all types of tobacco. Direct contact of this product with the suckers is essential for effective control. The spray should wet the sides of the tobacco stalk and contact all leaf axils and small immature suckers..

See APPLICATION NOTES for additional important information.

APPLICATION EQUIPMENT

When applied with power spray equipment, use three nozzles per row. One nozzle should be directed downward over the center of the row and the others should be about 9 inches on either side, directed at or slightly above the top of the stalk. The diluted ROYALTAC should be applied as a coarse spray from a height of 12 to 16 inches above the top leaves. For best results, the boom pressure should be kept at 20 to 25 pounds per square inch (psi) and should never exceed 30 psi.

When a power sprayer is used, be sure the solution is thoroughly mixed before application begins, and maintain agitation during application.

If a hand-held or backpack sprayer is used, this product should be applied at a rate of $\frac{2}{3}$ to one ounce of spray solution per plant (or enough to assure 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. Only low tank pressure is required, and in no case should more than 20 psi be used. Be sure the solution is thoroughly mixed before application begins, and maintain agitation during application.

All sprayers should be equipped with a pressure regulator and pressure gauge.

TIMING OF APPLICATION

ROYALTAC can be applied either before or after topping, preferably just after buttons have elongated and before flowers start to open. At this stage, few suckers are large enough to require removal by hand.

Best results are usually obtained by application of ROYALTAC as directed, and then topping within a week.

If tobacco is topped first, apply ROYALTAC within two days after topping. Any suckers longer than one inch should be removed while topping.

RATE OF APPLICATION

Flue-Cured Tobacco

Mix 1.5 gallon of ROYALTAC in 50 gallons of water. Apply 50 gallons of the diluted mixture per acre. If sucker growth is vigorous or if the development of the tobacco in the field is irregular, second and third applications of ROYALTAC, at 3 to 5 day intervals, may be needed. For these additional applications, use 1.5 gallon of this product per acre in 50 gallons of water.

Seven to 10 days after the last ROYALTAC application, apply ROYAL MH-30® (or other maleic hydrazide systemic sucker control agent) at the labeled rate and timing.

Air-Cured (burley, Maryland or cigar) Tobacco

Mix 2.0 gallons of ROYALTAC in 50 gallons of water. Apply 40 to 60 gallons of diluted mixture per acre. For hand sprayers, mix 5 fluid ounces of this product per gallon spray solution. When applied by hand, one gallon of diluted solution will treat 130 to 190 plants.

Dark Tobacco

Mix 2.75 gallons of ROYALTAC in 50 gallons of water. Apply 40 to 60 gallons of diluted mixture per acre. For hand sprayers, mix 7 fluid ounces of this product per gallon spray solution. When applied by hand, one gallon of diluted solution will treat 130 to 190 plants.

SEQUENTIAL TREATMENT PROGRAMS

Air-Cured (burley, Maryland, or cigar) and Dark Tobacco

ROYALTAC application may be followed in 7 to 10 days by ROYAL MH-30 (or other maleic hydrazide systemic sucker control agent) at the labeled rate. If a systemic material is not used, a second ROYALTAC application may be made 5 to 7 days after the first ROYALTAC application.

TANK MIX APPLICATIONS

Before using any tank mix combination, carefully read and follow the directions, precautions and restrictions found on each product label. The more restrictive of label limitations and precautions must be followed.

Flue-Cured Tobacco

A tank mixture of ROYALTAC and ROYAL MH-30 (or other maleic hydrazide systemic sucker control agent) may be applied to flue-cured tobacco at the early flower growth stage. This tank mix usually follows application of a contact sucker control agent. The tobacco should be topped, and all suckers over one inch long removed, before treatment.

Mix 1.5 gallon of ROYALTAC with 1.5 gallon of ROYAL MH-30 (or other maleic hydrazide product at equivalent labeled rate) in 50 gallons of water for each acre to be treated. Maintain good agitation after mixing and while spraying.

The tank-mixture is applied with motorized field sprayers (high clearance or tractor-mounted) equipped with solid-cone nozzles that deliver a coarse spray over the row.

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.

APPLICATION NOTES

1. Inspect spray equipment to make sure it is clean prior to use of this product.
2. After adding ROYALTAC to the spray tank, start up and maintain good agitation of the diluted solution.
3. Applying ROYALTAC at concentrations higher than recommended may cause leaf damage.
4. Do not mix ROYALTAC with other tobacco chemicals, except as specified in this label (see TANK MIX APPLICATIONS).
5. Do not apply this product to wet plants, such as immediately after heavy rain or mornings after a heavy dew.
6. Do not apply this product on windy days, because the spray solution may not be deposited uniformly on the leaf axils and sucker buds.
7. Do not apply this product during the middle of the day in very hot weather, because leaf burn may result. Injury may also result if the product is sprayed on the underside of the tobacco leaf, such as when the wind is strong enough to turn over the top leaves.

0096

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight.

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 of guidance.

EQUIPMENT CLEANING: This product is not corrosive to spray equipment. Following applications, all spray equipment should be thoroughly rinsed with water. Do not contaminate water by cleaning of equipment or disposal of wastes.

CONTAINER DISPOSAL

Nonrefillable Container

Plastic Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container 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.

Triple rinse as follows: For containers small enough to shake: Empty the remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

Refillable Container

Mini-Bulk Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

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 conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.**

ROYALTAC® and MH-30® are Registered Trademarks of Chemtura Corporation

©Copyright 2008, Chemtura Corporation