

400-476

09/29/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Avenue N.W.
Washington, D.C. 20460

EPA Reg. Number:

400-476

Date of Issuance:

SEP 29 2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

under FIFRA, as amended

Term of Issuance: Unconditional

Name of Pesticide Product:

Micromite 4L

Name and Address of Registrant (include ZIP Code):

Uniroyal Chemical Company
74 Amity Road
Bethany, CT 06524-3402

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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments given below:

1. Revised warranty statement is not acceptable as proposed. It contains overbroad statements in the first and third paragraph concerning limitations of liability, and imply that the buyer has no legal rights to recover damages. Such statements are misleading, and may constitute misbranding under FIFRA. The rights of a person to recover damages from a manufacturer are complicated and vary from one jurisdiction to another, depending on statutes and judicial decisions of individual states. These statements must be deleted from the warranty or qualified in such a way

Continued on Page 2

Signature of Approving Official:

Tina E. Levine

Tina E. Levine, PhD., Chief
Insecticide-Rodenticide Branch
Registration Division (7505C)

Date:

SEP 29 2000

Notice of Reregistration (continued)
EPA Registration No. 400-476

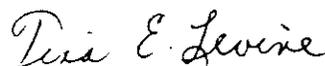
as to make it clear that it is the registrant's intent that Uniroyal Chemical Company's liability be limited and that the user assumes risks, and that these statements are not meant to be statements of law.

2. Submit two (2) copies of the final printed label before your release this product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely,



Tina E. Levine, Ph.D., Chief
Insecticide Rodenticide Branch
Registration Division (7505C)

Enclosure

RESTRICTED USE PESTICIDE

Due to toxicity to aquatic invertebrate animals. For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified applicator's certification.

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ACCEPTED
with COMMENTS
In EPA Letter Dated:

SEP 29 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
400-476

MICROMITE® 4L

INSECT GROWTH REGULATOR - FOR USE ON CITRUS
SUSPENSION CONCENTRATE

Net contents:

COMPOSITION

Active Ingredient: (% by weight)

Diflubenzuron N-[[[(4-Chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide 40.4%

Inert Ingredients: 59.6%

TOTAL 100.0%

*Contains 4 lbs. diflubenzuron per gallon

EMERGENCY ASSISTANCE:

UNIROYAL CHEMICAL EMERGENCY PHONE 203-723-3670

SAFETY DATA AND INFORMATION 203-573-3303

TRANSPORTATION EMERGENCY (CHEMTREC) 800-424-9300

Have the product container or label with you when calling a doctor or going for treatment.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms persist.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, PVC or viton; 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.

USER SAFETY REQUIREMENTS

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS

When handlers use closed systems (including water soluble bags), 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:

- 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.

**UNIROYAL
CHEMICAL**

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. For terrestrial uses (other than on forest canopy to control forest pests), do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark, except under the forest canopy when used to control forest pests. Drift or runoff from treated areas may be hazardous to aquatic invertebrate organisms in neighboring areas. Do not contaminate water when disposing of equipment wastewaters.

DIRECTIONS FOR USE

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

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 such as barrier laminate, butyl, nitrile, neoprene rubber, or PVC or viton
- shoes plus socks.

STORAGE AND DISPOSAL

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

STORAGE: Store in a dry location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INSTRUCTIONS AND INFORMATION

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

SPRAY DRIFT LABELING

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that

provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speed of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

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Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

GENERAL INFORMATION

MICROMITE 4L is compatible with many commonly used citrus pesticides, crop oils, and nutritional sprays. However, because of the large number of possible tank mixes, users should pre-test to assure himself of the physical and non-phytotoxic compatibility of any proposed mixtures with MICROMITE 4L.

MICROMITE 4L has shown little or no effect on certain beneficial organisms such as the snowscale parasite, *Aphytis lingnanensis*, the citrus rust mite pathogenic fungus, *Hirsutella thompsonii*, and bees.

Consult local agricultural authorities such as county and university extension specialists on current recommendations and refer to the Florida Citrus Pest Management Guide.

MICROMITE 4L should be used in conjunction with IPM practices including the early detection of target insect populations, threshold treatment levels, cultural control practices, and other procedures to manage target pest populations. Refer to local extension or university personnel regarding recommended IPM practices.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product to bodies of water where swimming is likely. Do not apply more than 30 fluid ounces of MICROMITE 4L per acre per year. Do not apply within 21 days of harvest.

Do not harvest cover crops for animal feed or graze livestock in treated groves.

For Ground Application: Do not apply within 25 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.

Spray last three rows windward of surface water using nozzles on one side only, with spray directed away from surface water. Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove when spraying the outside row. Shut off nozzles when turning at ends of rows and passing tree gaps in rows.

For Aerial Application: Do not apply within 150 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.

APPLICATION INSTRUCTIONS

CITRUS RUST MITE: To control citrus rust mites on oranges, grapefruit and tangerines, apply MICROMITE 4L at 10 fluid ounces per acre in sufficient water to ensure thorough coverage (50-1,000 gallons per acre by ground application; 5 to 20 gallons per acre by aerial application). Repeat application no closer than 90 days apart to maintain full season rust mite control.

Due to the unique mode of action of MICROMITE 4L, the full effect of the treatment may not be apparent for 3 - 10 days after application.

LEPIDOPTEROUS LEAFMINERS (*Phyllocnistis citrella*, *Marmara* sp.): On oranges, grapefruit and tangerines, apply 10 fluid ounces of MICROMITE 4L per acre when oviposition begins on new growth flush. Use sufficient spray volume for thorough coverage of leaf surfaces (ground = 50 to 1,000 gallons per acre; aerial = 5 to 20 gallons per acre). Repeat application no closer than 90 days apart for subsequent leaf flushes. The addition of a spray oil, such as FC435-66, enhances coverage and may enhance control of citrus leafminers.

MICROMITE 4L will not kill adult stages of leafminers. MICROMITE 4L has activity on eggs, larval and pupal stages.

CITRUS ROOT WEEVIL COMPLEX: On oranges, grapefruit and tangerines apply 10 fluid ounces of MICROMITE 4L per acre to control citrus root weevil species, which include the West Indian sugarcane

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rootstock borer weevil (*Diaprepes abbreviatus*), the southern blue-green citrus root weevil (*Pachnaeus litus*), the blue-green citrus weevil (*Pachnaeus opalus*), the Fuller rose beetle (*Asynonychus godmani*), and the little leaf notcher (*Artipus floridanus*). Apply MICROMITE 4L to newly expanded flush on citrus and/or when adult weevils are present. Use sufficient spray volume for thorough coverage of leaf surfaces (ground = 50 to 1,000 gallons per acre; aerial = 5 to 20 gallons per acre). Repeat application no closer than 90 days apart for subsequent leaf flushes and/or when adult weevils are present. The addition of a spray oil, such as FC435-66, enhances coverage and penetration of MICROMITE 4L into the adult weevils and eggs. Also, oil will deter attachment of weevil egg masses to leaf surfaces.

MICROMITE 4L will not kill adult weevils. The activity of MICROMITE 4L is through ingestion or contact and will result in reduction of the reproductive potential of weevils, it prevents eggs from hatching, thus preventing larvae from entering soil and feeding on citrus tree roots. Also, the grubs from eggs laid on treated leaves are reduced in number.

IMPORTANT NOTICE — Uniroyal warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions stated on the label. UNIROYAL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

It is impossible to eliminate all risks associated with the use of this product including, but not limited to, risks of injury to crops, persons or animals, lack of performance, or other unanticipated consequences. Such risks may arise from factors such as, but not limited to weather conditions (such as but not limited to unfavorable temperatures, excessive rainfall, drought, tornadoes or hurricanes), environmental conditions (such as but not limited to soil conditions), presence of other materials, use or manner of application (including but not limited to use or application inconsistent with label directions) or other factors. Such risks and factors are beyond the control of Uniroyal and are the sole responsibility of, and are assumed by, this product's buyer and user.

The exclusive remedy of any buyer or user of this product, and the sole liability of Uniroyal for any damage or loss resulting from this product or from the use of this product, shall be, at Uniroyal's option, refund of the purchase price paid by such buyer or user for this product or replacement of the amount of product used by such buyer or user. IN NO EVENT SHALL UNIROYAL BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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