



PM 22 400-443 file 10x6
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 24 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUDITH O. BALL
UNIROYAL CHEMICAL COMPANY, INC.
74 AMITY ROAD
BETHANY, CT. 06524

Subject: Label Amendment Submission of 8/12/93 In Response to PR Notice 93-7
EPA Reg. No. 400-443
NUTRA SPRAY ZN17 1/2 MN4-CU4

IMPORTANT NOTICE: This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

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 subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

SERIOUS ERROR(S) ON SUBMITTED LABELING:

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING. Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.



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

Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director
Compliance Division, (7203)
Worker Protection Notification
Office of Compliance Monitoring
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the 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 neither been reviewed nor 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:

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling as amended

AND

- WITHIN one year from date of this acceptance.

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

4076

Hand or courier deliveries of final 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

cc: Office of Compliance Monitoring

NUTRA-SPRAY®

5076

Zn17¹/₂-Mn4-Cu4

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 24 1991

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

400-443

**UNIROYAL
CHEMICAL**

COMPOSITION

Active Ingredients: (% by weight)	
Basic Copper Sulfate*	7.8%
Inert Ingredients:	
Manganese (expressed as metallic equivalent)	4.0%
Zinc (expressed as metallic equivalent)	17.5%
Other	70.7%
Total:	100.0%

(*Metallic Copper Equivalent 4.0%
Manganese derived from manganese carbonate.
Zinc derived from zinc oxide and basic sulfate)

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749
EPA REG. NO. 400-443
EPA EST. NO.

001WPS

NET WEIGHT

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites or gelatin solution. If not available, drink large amounts of water. Avoid alcohol. Call a physician immediately.
IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Call a physician.
IF ON SKIN: Wash with plenty of water, for at least 15 minutes. Call a physician if irritation persists.

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

BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. May cause skin sensitization in certain individuals. Keep away from domestic animals.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers (other than mixers and loaders) Must Wear: A long-sleeved shirt & long pants; waterproof gloves; shoes plus socks.

Mixers and Loaders Must Wear: A long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear.

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.

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

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

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
- waterproof gloves
- shoes plus socks
- protective eyewear

NUTRA-SPRAY 17½-Mn4-Cu4 is a chemically reacted, neutral spray dried wettable powder. It is recommended for the correction of zinc, manganese, and copper deficiencies in citrus, avocados, deciduous fruits, and grapes. May also be used as a copper fungicide where zinc and manganese are desired.

USE DIRECTIONS FUNGICIDE USES

Follow use directions below for specific crop applications. If conditions favor disease incidence, or evidence of disease is present, higher rates should be used.

CITRUS: Use as a preventative in late fall or when disease appears.

Septoria: Use 7-10 lbs. per 100 gallons. Spray the entire tree in complete coverage in late fall.

Brown Rot: 7-10 lbs. per 100 gals. in late fall at time of first rains. Spray skirts of trees from the ground up to 3-4 ft. high with up to 6 gals. of spray solution per tree; also, spray 2-4 gals. on the trunk and ground under tree. Apply 25-80 lbs. NUTRA-SPRAY Zn17½-Mn4-Cu4 per acre.

CAUTION: This product should not be used on those varieties of apples and pears that are subject to russetting during the period when they are sensitive to russet.

SPREADERS: When used as a fungicide, a Spreader-Sticker is recommended.

COMPATIBILITY: NUTRA-SPRAY Zn17½-Mn4-Cu4 is compatible with most commonly used wettable powder insecticides and fungicides. See Leffingwell compatibility chart for details.

MICRONUTRIENT USES

The following applications should be made when nutrient deficiency is detected or when cultural practices indicate that such applications are beneficial. Nutrient applications should be repeated if crops continue to show deficiencies 14 days after the initial treatment.

AVOCADOS: Very effective for avocados where a little copper is desired. *best*
Ground Rigs - Apply at 5 lbs. to 100 gals., or 25 to 30 lbs. per acre. **Air Application -** 10-20 lbs. per acre in 15 gals. of water. Two applications per year over new growth for best results.

CITRUS: For deficiencies of Zinc, Manganese, and Copper, apply 20-40 lbs. per acre for mature trees. May be applied by conventional ground rig (use 7-10 lbs. per 100 gals.) ground concentrate sprayer or by air.

DECIDUOUS FRUIT, NUT TREES & ORNAMENTALS: For deficiencies of zinc, manganese and copper, spray over new growth with NUTRA-SPRAY Zn17½-Mn4-Cu4 at 5 to 10 lbs. per 100 gallons or 20 to 40 lbs. per acre in sufficient water to provide coverage. Where Zinc Sulphate is used as a dormant spray for plums, apricots, peaches, this spray should not be used, as defoliation may occur from excess zinc.

GRAPES: Spray near the bloom period with NUTRA-SPRAY Zn17½-Mn4-Cu4 at 5 to 15 lbs. per acre for zinc, manganese, and copper deficiencies. This spray aids in controlling split berries that may be caused by copper deficiency.

TOMATOES, PEPPERS, BEANS, MELONS: As a deficiency spray, 10-20 lbs. per acre per application in enough water to give even distribution by air or ground rig. Maintain adequate agitation at all times.

STORAGE AND DISPOSAL

STORAGE: Store product in a secure place and keep product dry. Spilled product should be swept up, used if clean, or disposed of on site and /or waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Store product only in original container. During storage, store pesticides separately to prevent cross-contamination of other pesticides, fertilizers, food and feed.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Do not reuse this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or 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.

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