

1412 4/25/89

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS 767)  
WASHINGTON DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

JANUARY 25, 1989

TERM OF ISSUANCE

Initial Registration

NAME OF PESTICIDE PRODUCT

NOTICE OF PESTICIDE:  REGISTRATION  REREGERISTRATION

(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

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NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this 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 used by others.

ATTACHMENTS AVAILABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

- d. The dermal sensitization study is acceptable as Core-Guideline data and on the basis of this study, this product is considered a dermal sensitizer. The following statement must be added to the label:

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. If sensitization reaction occurs, discontinue use and contact a physician.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Dennis H. Edwards, Jr.  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures

GIR-6562.YLD

Base Pre-Reg. (6562)

U.S. LABEL

Reason to Issue: To propose new product for use on ornamentals. 12/21/87 Draft: To revise in accordance with internal review comments. 6/15/88 Draft: To revise Precautionary Statements to reflect a possible allergic skin reaction; 10/6/88 Draft: To revise Statement of Practical Treatment in accordance with EPA comments.

Date of Draft: 10/6/88 (Pre-Reg) (S)  
Supersedes Pre-Reg Drafts Dated: 11/13/87  
12/21/87, and 6/15/88.

EPA File Symbol No. 3125-G1R

**RECEIVED**  
**AGRICULTURAL**  
**RESEARCH SERVICE**

MORESTAN<sup>®</sup> 4

Ornamental Miticide

JAN 25 1989

*Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 3125-381*

FOR EFFECTIVE CONTROL OF MITES

ACTIVE INGREDIENT:  
6-Methyl-1,3-dithiolo[4,5-b]  
quinoxalin-2-one ..... 40%

NET CONTENTS                      GALLONS

INERT INGREDIENTS: ..... 60%  
100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Contains 4 pounds 6-Methyl-1, 3-dithiolo[4,5-b] quinoxalin-2-one per gallon.

(See rear panel for Statements of Practical Treatment and Other Precautionary Statements)

EPA File Symbol No. 3125-G1R

STOP - READ THE LABEL BEFORE USE

MOBAY CORPORATION  
A Bayer USA INC. COMPANY  
AGRICULTURAL CHEMICALS DIVISION  
Speciality Products Group  
Box 4913 Kansas City, Mo. 64120

Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

1/ISO

RECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DIRECTIONS FOR USE

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using MORESTAN 4 Ornamental Miticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

MORESTAN 4 Ornamental Miticide is recommended for residual control of mites, and mite eggs. The formulation mixes readily with water to form a suspension which is usable in all conventional hand or machine-operated sprayers. For best results, apply a thorough coverage before mites, or mite eggs are present in large numbers and before mites cause bronzing of the foliage. Apply during good drying conditions. (See Restrictions). Consult your State Agricultural Extension Service or Experiment Station for detailed information on timing of applications for most effective control.

RECOMMENDED APPLICATIONS

CROP	PEST	FLUID OUNCES MORESTAN 4	REMARKS
ORNAMENTALS			Apply specified dosage per 100 gallons of water*. Spray all foliage surfaces, including the underside of leaves for complete coverage. Repeat as necessary.
Flowers	Mites	4 to 8	
Shrubs	Mite eggs		
Trees			(See Restriction)

\*This dosage of MORESTAN 4 Ornamental Miticide is calculated for conventional sprayers. When lower volumes of spray are applied as with low pressure, low volume, or mist type equipment, increase the concentration of MORESTAN 4 Ornamental Miticide in the spray mixture in order to apply the amount of MORESTAN 4 Ornamental Miticide equivalent to a full coverage spray.

## MORESTAN 4 Ornamental Miticide

### RESTRICTIONS

Do not use spreader-sticker materials or agricultural spray oils in tank mixes with MORESTAN 4 Ornamental Miticide.

Do not allow sprays to drift onto other crops, including pastures.

Do not use on crops used for food and forage. Use only according to label directions. Do not treat crops grown in the greenhouse.

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

Extensive phytotoxicity testing has been conducted on many species of ornamental plants and most have not shown any injury resulting from foliar sprays of MORESTAN Miticide. However, under certain conditions of high temperature and humidity, occasional phytotoxicity may occur. Test spraying of a few plants should be done if no use experience is known. The following species of ornamentals have shown phytotoxicity at maximum use rates and applications should be avoided: Nicotiana, European Mountain Ash, Monkey plant, Euphorbia cotinifolia, Umbrella pine, River birch and Powderpuff tree. Chlorosis has occurred on certain varieties of Juniper. Test spray selected varieties prior to overall spray programs. Phytotoxicity has occurred on the foliage and flowers of certain varieties of roses, especially during periods of high humidity and temperature. Treat roses after cutting and before new growth appears. Before treating large plantings for the the first time, treat a few plants and observe for 4 or 5 days.

### STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or 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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816 242 2582, or contact Chemtree at 800 424 3300.

# MORESTAN 4 Ornamental Miticide

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through the skin. Causes mild to moderate eye irritation. Prolonged or repeated skin contact may cause allergic reaction. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse. Keep out of reach of children.

Residues of MORESTAN on the skin may produce allergic skin reactions or an increased sensitivity to ultra violet light or sunlight in some persons. When applying sprays containing MORESTAN 4 Ornamental Miticide, it is recommended that sufficient clothing be worn to cover most body areas and that a sun-screen lotion with a protection factor of 15 or greater be applied to body areas necessarily left uncovered, such as the neck and face.

### STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water for 15 minutes. Get medical attention if irritation persists. If on skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water. Get medical attention if irritation develops and persists. If signs of intoxication (poisoning) occur, get medical attention immediately. If inhaled: First, remove victim to fresh air or uncontaminated area. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention as soon as possible. If swallowed: Call a physician or Poison Control Center. If medical assistance cannot be given immediately, induce vomiting and get to a hospital. To induce vomiting, give 1 or 2 glasses of water and touch back of throat with finger. Repeat until vomitus is clear. Or if available, administer syrup of ipecac (1/2 oz. or 15 ml.). If vomiting does not occur within 5 to 10 minutes, administer second dose. Do not give anything by mouth or induce vomiting to an unconscious or convulsing person.

Note To Physician: No specific antidote is available. Treat symptomatically. This product may cause an allergic skin reaction in some susceptible persons. This condition should be treated as an allergic dermatitis.

In case of poisoning, it is also requested that Mobay Corporation, Agricultural Chemicals Division, Kansas City, Missouri be notified. Telephone: 816-242-2000 or 816-242-2582 (week-ends).

### ENVIRONMENTAL HAZARDS

MORESTAN miticide is toxic to fish. Do not apply where runoff is likely to occur. In cleaning of equipment or disposal of wastes, do not contaminate streams, lakes, or ponds with this material.

MORESTAN is a Reg. TM of Bayer AG, Germany.