



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H/509C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg
Number

63310-8

Date of Issuance

3/15/92

Term of Issuance

Conditional

Name of Pesticide Product

Rhizopon AA Water
Soluble Tablets

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Joel Kroin
Hortus USA Corp.
245 West 24th Street
New York, New York 10011-1717

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/re-registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. To your labeling, add the phrase "EPA Registration No. 63310-8".
3. Change your Environmental Hazards statement from "Do not contaminate water when disposing of equipment washwaters or disposal of wastes" to "Do not contaminate water when disposing of equipment washwaters". Leave the statement "Do not apply directly to water,...mark" as it appears on the labeling.
4. On page 4 of your draft labeling dated May 6, 1992, delete the statement "In General:"
5. You must submit a dermal sensitization study within 6 months after the above stamped registration date.

Signature of Approving Official

Ch. G. ...

Date:

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6. Submit Five (5) copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

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THE FOLLOWING PAGE IS THE FRONT OF THE LABEL

RHIZOPON TM AA WATER SOLUBLE TABLETS
Promotes Rooting Of Plant Cuttings And
Promotes Root Regeneration When Transplanting Rooted Plants

ACTIVE INGREDIENTS

Indole-3-butyric Acid....20.0%

INERT INGREDIENTS.....80.0%

Contents: -- TABLETS 250 MG EACH, NET WEIGHT -- MG

Made In Holland

Exclusive USA Importer: HORTUS USA Corp., New York NY 10011

EPA REG # -- EPA EST # --

Easy to ROOT PLANT CUTTINGS by
IMMERSION TOTAL IMMERSE
QUICK DIP SPRAY DRIP DOWN
Easy to TRANSPLANT ROOTED PLANTS by
IMMERSION-ABSORPTION

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON BACK PANEL

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUN 5 1992
Federal Insecticide
and Rodenticide Act
for the pesticide
under EPA Reg. No.
63310-8

EPA FILE SYM 63310-I

THE FOLLOWING PAGES ARE REAR OF THE LABEL

RHIZOPON-AA WATER SOLUBLE TABLETS in solution promote ROOTING OF-PLANT CUTTINGS, From easy-to-root to the most-difficult, and ROOT REGENERATION WHEN TRANSPLANTING ROOTED PLANTS. ACTIVE INGREDIENTS ARE FULLY SOLUBLE IN WATER up to 500 ppm. Dissolved in water and minimum alcohol, ACTIVE INGREDIENTS ARE FULLY SOLUBLE TO 20000 PPM!

DIRECTIONS FOR USE

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

FOR ORNAMENTAL PLANT USE ONLY

SIMPLE INSTRUCTIONS ROOTING PLANT CUTTINGS

Take plant cuttings, usually stem cuttings. For woody cuttings usually wound by making a 3/4" notch at basal end. Treat plant cuttings with a solution containing RHIZOPON-AA Water Soluble Tablets. IMMERSE or QUICK DIP basal end of cuttings, or TOTAL IMMERSE, or after planting SPRAY UNTIL DRIP DOWN, as required by variety. Plant the cuttings in media. Take care of cuttings.

'AI' is the Active Ingredient specified as 'ppm AI', parts per million. AI= milligrams (mg.) AI per liter (L.).

1 Liter (L.)= 1000 milliliter (ml.)= 33.8 fluid ounces.

IMMERSE basal end of cuttings approximately 1" in solution for 4-12 hours. For cuttings propagated under mist immerse maximum of 4 hours. Produces uniform rooting. Plant immediately.

Woody and herbaceous cuttings:

1-3 Tablets/Liter Water (50-150 ppm AI)

QUICK DIP immerse basal end of cuttings approximately 1" in solution a few seconds. Plant immediately.

Herbaceous, tropical plants, house plants, roses:

3-10 Tablets/Liter (150-500 ppm AI)

Chrysanthemum 8-10 Tablets/Liter (400-500 ppm AI)

Softwood cuttings: 20 Tablets/Liter (1000 ppm AI)

Hardwood cuttings: 40 Tablets/Liter (2000 ppm AI)

Difficult-to-root hardwood cuttings:

100-400 Tablets/Liter (5000-20000 ppm AI)

IMMERSE WHOLE CUTTING in solution a few seconds. Plant immediately.

Herbaceous cuttings, plumbago, ivy, clematis, delphinium, lavender, ficus;

1-5 Tablets/Liter (50-250 ppm AI)

In General: 2 Tablets/Liter (100 ppm AI)

SPRAY DRIP DOWN. Plant cuttings. Spray solution on leaf and stem until drip down into media.

Chrysanthemum, begonia, dieffenbachia, heath, hibiscus;

1-5 Tablets/Liter (50-250 ppm AI)

In General: 1-2 Tablets/Liter (50-100 ppm AI)

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SIMPLE DIRECTIONS FOR ROOT REGENERATION WHEN TRANSPLANTING
ROOTED PLANTS BY THE IMMERSION-ABSORPTION METHOD

Dissolve Tablets in water only. Immerse bare roots in solution.
Plant immediately. Six month old rooted rose bushes, and other
plants: 2-3 Tablets/Liter (100-150 ppm AI) for 10 minutes.
3-5 Tablets/Liter (150-250 ppm AI) for 5 minutes.

EASY TO MAKE A SOLUTION OF ANY WORKING VOLUME
UP TO 20000 PPM ACTIVE INGREDIENTS!

Dissolve Tablets at 68F (21C).
Mix solution for one time use. Discard after use.
Active Ingredients entirely dissolve. A small amount of visible in-
ert ingredients do not effect results.

Decide the concentration in Tablets/Liter or ppm AI.
Decide the Working Volume V.
Measure and mix.

0-500 ppm AI: use only water.
550-10000 ppm AI: make an initial 10000 ppm concentration using 50%
water and 50% alcohol. Dilute with water to make working concentra-
tion.
10050 to 20000 ppm AI: use 25% Water and 75% Alcohol.

For water use distilled or deionized. For alcohol use methyl or
isopropyl or ethyl.

'Blender' is an electric hand blender (liquefier). Stir at least 1
minute or until dissolved. Use an adequate amount of liquid to as-
sure dissolving tablets.

CALCULATE THE NUMBER OF TABLETS T REQUIRED

Given Working Volume V and ppm AI:
V (Liters) = ml./1000
P = ppm AI/50
The Number of Tablets T = V (Liters) x P

Given Working Volume V and Tablets/Liter:
V (Liters) = ml./1000
N = Tablets/Liter
The Number of Tablets T = V (Liters) x N

:
:
:

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EXAMPLES TO MAKE 1 LITER SOLUTION

Mix manually-

250 ppmAI:mix 5 Tab. in 1000ml Water (=1 Liter)

500 ppmAI:mix 10 Tab. in 1000ml Water (=1 Liter)

Mix using electric hand blender-

1000 ppmAI:mix 20Tab. in 50ml Water+ 50ml Alcohol,add Water to 1L

2000 ppmAI:mix 40Tab. in 100ml Water+100ml Alcohol,add Water to 1L

5000 ppmAI:mix 100Tab. in 250ml Water+250ml Alcohol,add Water to 1L

8000 ppmAI:mix 160Tab. in 400ml Water+400ml Alcohol,add Water to 1L

10000ppmAI:mix 200Tab. in 500ml Water+500ml Alcohol (=1 Liter)

20000ppmAI:mix 400Tab. in 250ml Water+750ml Alcohol (=1 Liter)

Up to 5 Tablets/Liter (0-250 ppm AI)

Calculate the Number of Tablets T.

Measure the Working Volume V using water only.

Dissolve Tablets in water.

6-10 Tablets/Liter (300-500 ppm AI)

Calculate the Number of Tablets T.

Measure the Working Volume V using water only.

Dissolve Tablets in water; mix using hand blender.

11-200 Tablets/Liter (550-10000 ppm AI)

Calculate the Number of Tablets T.

Calculate the initial mixing volume of water and alcohol (1:1) to dissolve Tablets.

Water (ml.) = Number of Tablets T x 2.5

Alcohol (ml.) = Number of Tablets T x 2.5

Measure water and alcohol. Dissolve Tablets in water and alcohol; mix using hand blender.

Dilute with water to the Working Volume V (Liters).

200-400 Tablets/Liter (10000-20000 ppm AI)

Calculate the Number of Tablets T.

Measure Working Volume V using 25% water and 75% alcohol.

Dissolve Tablets in water and alcohol; mix using hand blender.

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STORAGE AND DISPOSAL

Store in a cool dry place. Keep in original container. For disposal securely wrap closed container in several layers of newspaper and discard in trash. Do not reuse container.

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals.

CAUTION

Causes moderate eye injury. Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust (vapor or spray mist). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If inhaled remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention. If on skin wash with plenty of soap and water. If in eyes wash with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment wash waters or disposal of wastes. Do not apply directly to water, to areas where surface water is present or intertidal areas below the mean high water mark.

NOTICE OF WARRANTY: It is warranted that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of application all of which is beyond the control of Rhizopon b.v. or Hortus USA Corp. In no case shall Rhizopon or Hortus be liable for consequential, special or indirect damages resulting from the use or handling of this product. All risks shall be assumed by the buyer. Rhizopon or Hortus USA make no warranties of merchantability or fitness for a particular purpose nor other express or implied warranty except as stated above.

