

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

James W. Nielsen
P.O. Box 6669
Brookings, OR 97415

MAY 16 1996

Dear Mr. Nielsen:

Subject: Revised Labeling - Updated Precautionary Language;
Minor Revisions to Directions for Use
Ion Moss
EPA Registration No. 50019-1
Your Submission Dated February 19, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Add the statement "It is a violation of Federal Law to use this product in a manner inconsistent with its labeling" directly beneath the Directions for Use heading.
- 2) Please note that, as of the date of this letter, EPA has not yet received a response to the Agency correspondence dated April 19, 1996. Failure to respond to the deficiencies in that correspondence may lead to suspension and/or cancellation of this registration in accordance with FIFRA sec 6(e).

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

DK: 305-7546: FHB/PM23		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	5/16/96							

2/7

PRODUCT: ION/MOSS - EPA REG. NO. 50019
REGISTRANT: JAMES W. NIELSEN

FRONT LABEL END USE PRODUCT (EP) 1996

EPA REGISTRATION NO. 50019-1

ION/MOSS

LONG-LASTING CONTROL of MOSS, SLIME MOLD, and ALGAE
on ROOFS, DECKS, PATIOS, SIDEWALKS, DRIVEWAYS and
RESIDENTIAL LAWNS.

ACTIVE INGREDIENTS:

ZINC (Zn), as elemental 20.76 %

COPPER (Cu), as elemental 2.35 %

INERT INGREDIENTS:

76.89 %

100.00 %

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center
immediately. IF INHALED: Remove victim to fresh air. Apply
artificial respiration if indicated. IF IN EYES: Flush with
plenty of water. Get medical attention if irritation persists.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

James W. Nielsen
P.O. BOX 6669
BROOKINGS, OR. 97415
EPA REG. NO. 50019-1
EPA Est. No. 50019-OR-002

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 16 1996

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

50019-1

COVERS 2000 sq. ft.
NET WT. 2 LBS. (32 OZ.)

3/7

PRODUCT: ION/MOSS - EPA REG. NO. 50019
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SIDE panel - page 2

1996

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

C A U T I O N

Harmful if swallowed or inhaled. Avoid breathing dust or spray mist. Causes eye irritation. Wash thoroughly with soap and water after handling. Avoid contact with eyes or clothing. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwater.

DIRECTIONS

READ ENTIRE LABEL. under the Direction for Use heading.

STORAGE AND DISPOSAL

STORAGE; Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

4/7

PRODUCT: ION/MOSS - EPA REG. NO. 50019
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back label page 3

1996

DIRECTION FOR USE

1. Use ION MOSS to control moss, slime mold and algae on grass lawns and on all surfaces constructed of wood, asphalt, concrete, brick, ceramic tile, and plastic. Always wear protective gloves, protective eyewear, long sleeve shirts and long-legged pants, and waterproof gloves, shoes and socks.

2. Apply ION MOSS dry or by means of a hose end attachment and spray onto moss, slime mold or algae when it is wet after a rain, after watering or wet with early morning dew. Open canister or carton. Shake lightly on areas to be treated or add ION MOSS to a clog-free hose end attached container and spray on areas to be treated. For best results allow ION MOSS to make direct contact on all surface areas to be treated. Do not use ION MOSS when strong wind is present

3. Apply in liquid by adding one pound of ION MOSS to a clog free hose end attachment. Spray directly onto infested areas. Apply anytime moss, slime mold or algae is present. The ingredients in ION MOSS are heavier than water and should be agitated lightly while spraying. APPLICATION OF ION MOSS IN LIQUID FORM IS RECOMMENDED FOR MAXIMUM CONTROL OF MOSS, SLIME MOLD AND ALGAE INFESTATION.

4. Apply ION MOSS right out of the canister or carton or by adding content into a bottle with a hose end attachment (clog-free) to lightly affected areas at the rate of one pound per 1000 square feet. For heavier moss, slime mold and algae concentrations use one pound per 500 square feet.

5. Apply ION MOSS anytime of the year. For best results, do not apply while it is raining.

6. In two or more weeks moss, slime mold and algae will turn from green to yellow and to brown. IMPORTANT: ION MOSS UNIQUE FORMULA OF ZINC AND COPPER COMBINES WITH MOISTURE TO CREATE A SLOW RELEASE REACTION WHICH CONTROLS MOSS, SLIME MOLD AND ALGAE. THE TIME REQUIRED TO CONTROL MOSS, SLIME MOLD AND ALGAE WILL VARY DEPENDING ON CONDITIONS OF MOISTURE, TEMPERATURE, AND SEVERITY OF MOSS, SLIME MOLD AND ALGAE PROBLEMS. PLEASE ALLOW AMPLE TIME FOR ION MOSS TO WORK.

7. Depending on the severity of the dead moss, slime mold and algae, it may not be necessary to remove and may gradually weather away.

8. ION MOSS WILL NOT STAIN patios, decks, walls, walkways, buildings, or roofs that are constructed of wood, asphalt, concrete, brick, ceramic tile, and plastic. ION MOSS may leave a light white to gray residue on treated surfaces that will disappear with the moss, slime mold and algae.

5/7
PRODUCT: ION/MOSS - EPA REG. NO. 50019
REGISTRANT: JAMES W. NIELSEN

back label-continued page 4

1996

9. ION MOSS will react with iron oxide pigments that are used in red bricks.

10. USE EXTREME CAUTION WHEN APPLYING ION/MOSS TO WET OR MOSS SLIME MOLD AND ALGAE LADEN ROOFS DUE TO PROBABLE SLIPPERY CONDITIONS.

This product is corrosive to copper.

SIDE/BACK PANEL

WARRANTY STATEMENT

All statements concerning the use of this product apply only when used as directed. The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the label. Read all directions carefully.

6/7

PRODUCT: ION/MOSS - EPA REG. NO. 50019
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side/back panel-page 5

1996

ION MOSS is a different product. It's unique formula of elemental zinc and copper reacts electrolytically with water to form a slow release reaction that is highly effective in controlling moss, slime mold and algae in some case for up to one year.

ION MOSS when applied in either dry or with a clog-less hose end attachment, not only controls heavy surface concentrations of moss, slime mold and algae, but also permeates the cracks and crevices of these infested laden areas killing spores and hidden moss, slime mold and algae which has not yet reached the surface.

ION MOSS controls moss, slime mold and algae in grass lawns and on all surfaces constructed of wood, asphalt, concrete, brick, ceramic tile and plastic.

ION MOSS WILL NOT STAIN patios, decks, walls, walkways, buildings, or roofs.

ION MOSS will react with copper and iron oxide pigments used in some bricks.

ION MOSS WILL NOT BURN lawns, ornamental shrubbery, trees, turf, or other vegetation.

7/7

PRODUCT: ION/MOSS - EPA REG. NO. 50019
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side/back panel-page 6

1996

MOSS, SLIME MOLD and ALGAE predominately flourishes in climates with excessive rainfall, high humidity, and below average sunshine. Moss, slime mold and algae growth, if left uncontrolled, will cause problems on surfaces such as roofs, buildings, fences, walls, patios, driveways, walkways and LAWNS. These growths are unsightly, hazardous, and destructive. In particular, moss, slime mold and algae growth on rooftops prevents the roof from drying properly and eventually causes leaking due to the accelerated decomposition of the shingles. Similarly, moss growth along expansion joints and in cracks on concrete surfaces such as patios, walkways, and driveways is unsightly and fosters rapid decomposition of the concrete. Moss, slime mold and algae growth on these surfaces can also be very hazardous to pedestrian traffic due to there slippery nature. In lawns the formation of moss, slime mold and algae is unattractive and competes directly with the grass for nutrients. The competition between the lawn and the moss, slime mold and algae allows the development of undesirable weeds and microbial growth. It is therefore necessary to control moss, slime mold and algae on these surfaces and prevent there return.