

125601

SHAUGHNESSY NO.

REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 6/11/85 OUT 6/27/85

FILE OR REG. NO. 538-ENN, 538-ENR, 538-ROO

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 2/14/85

DATE RECEIVED BY HED 6/7/85

RD REQUESTED COMPLETION DATE 7/8/85

EEB ESTIMATED COMPLETION DATE 7/8/85

RD ACTION CODE/TYPE OF REVIEW 160/Old Chemical

TYPE PRODUCT(S): I, D, H, F, N, R, S Plant Growth Regulator

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) Scott's Turf Manager (538-ENN); Scott's
For St. Augustine grass (538-ROO); Scott's Turf
Manager II (538-ENR)

COMPANY NAME O.M. Scott & Sons

SUBMISSION PURPOSE Proposed conditional registration of
lawn uses

SHAUGHNESSY NO.

CHEMICAL & FORMULATION

% A.I.

125601

Paclobutrazol

0.066%

"

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0.20%

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1.38%

Ecological Effects Branch Review

Paclobutrazol

100 Submission Purpose and Label Information

100.2 Submission Purpose and Pesticide Use

O. M. Scott & Sons have submitted three products with slightly different percent active ingredients for use on lawns. The three products (Scotts Turf Manager, Scotts Turf Manager II, and Scotts Turf Manager for St. Augustine grass) help the grass plant regulate the production of growth substances it needs to grow more efficiently. Rather than growing taller between mowings, the grass plant redirects growth into side shoots so leaf blades become thicker and greener. Since the grass plant grows more horizontally than vertically, mowing is greatly reduced.

100.2 Formulation Information

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|----|--------------------------------------|---------------------|---------|
| 1. | Scotts Turf Manager | | |
| | Active Ingredient: | Paclobutrazol | 0.066% |
| | | Mefluidide | 0.006% |
| | Inert Ingredients: | | 99.928% |
| 2. | Scotts Turf Manager II | | |
| | Active Ingredient: | Paclobutrazol | 0.20% |
| | Inert Ingredient: | | 99.80% |
| 3. | Scotts Turf Manager for St Augustine | | |
| | Active Ingredient: | Paclobutrazol | 1.38% |
| | Inert Ingredient: | | 98.62% |

100.3 Application Methods, Rates, Directions

Apply to dry foliage when temperatures are regularly in the 80's. Water in after application and continue to provide adequate water during periods of extended dry weather.

Rates

1. Scotts Turf Manager = 0.19 lb/ai/acre
2. Scotts Turf Manager II = 0.20 lb/ai/acre
3. Scotts Turf Manager for St. Augustine grass = 0.56 lb/ai/acre.

100.4 Target Organism

St. Augustine grass

100.5 Precautionary Labeling

Environmental Hazards: Do not apply directly to lakes, streams, or ponds. Do not apply to steep slopes or when weather conditions favor drift or runoff from target areas.

101 Hazard Assessment

101.1 Discussion

EEB has reviewed submission of paclobutrazol for registration on ornamental trees, greenhouse plants, and golf courses previously. The reviews indicate minimal hazard to wildlife and fish. This submission proposes the application method of watering in thoroughly after treatment and with a maximum rate of 0.56 lb/ai/acre.

101.2 Likelihood of Adverse Effects to the Nontarget Organisms

The bird, fish, and aquatic invertebrates data indicate paclobatrazol is "practically nontoxic." The exposure to nontargets, other than those feeding directly on the lawn turf, is expected to be minimal. This is due to the low application rate and the method of watering in after each treatment. Because of the minimum exposure potential posed under this incremental risk assessment, and due to the relatively low toxicity of paclobutrazol to fish, birds, and aquatic invertebrates, EEB does not expect unreasonable adverse effects to nontarget organisms.

101.3 Endangered Species Consideration

Minimal hazard is expected for endangered species at this time.

101.4 Adequacy of Data

The six basic studies are valid. No further studies are necessary for this use.

101.5 Adequacy of Labeling

The submitted labeling should add the following: "Do not apply to wetlands."

102 Classification

This is an amendment to an existing no-restrictive-use label.

103 Conclusion

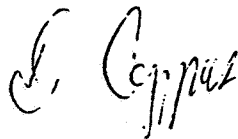
EEB has completed an incremental risk assessment (3(C)(7) Finding) of the proposed conditional registration of Scotts Turf Manager, Scotts Turf Manager II, and Scotts Turf Manager for St. Augustine grass for use on lawns. Based upon the available data, EEB concludes that the proposed uses provide for no significant increase in hazards to nontarget organisms.

Ken Clark
Agronomist
EEB/HED



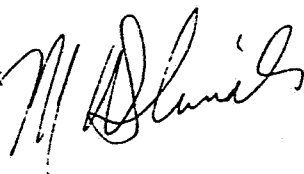
Date: 7.3.85

Dave Coppage
Section Head, 3
EEB/HED



Date: 7.3.85

Michael Slimak
Chief
EEB/HED



Date: 7-5-85

Mefluidide Scientific Reviews

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The material not included contains the following type of information:

- ☐ Identity of product inert ingredients
 - ☐ Identity of product impurities
 - ☐ Description of the product manufacturing process
 - ☐ Description of product quality control procedures
 - ☐ Identity of the source of product ingredients
 - ☐ Sales or other commercial/financial information
 - ☒ A draft product label
 - ☐ The product confidential statement of formula
 - ☐ Information about a pending registration action
 - ☐ FIFRA registration data
 - ☐ The document is a duplicate of page(s)
 - ☐ The document is not responsive to the request
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
