

US EPA ARCHIVE DOCUMENT

125601

FILE

Date Out EFB:

JAN 31 1983

TO: Bob Taylor
Product Manager 25
TS-767

FROM: Emil Regelman,
Acting Chief
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division

Attached please find the environmental fate review of:

Reg./File No.: 10182-TT

Chemical: Paclobutrazol

Type Product: Plant growth regulator

Product Name PP 333 WP Tree Growth Retardant

Company Name ICI Chemical Co.

Submission Purpose: Application for new registration of new
chemical

ZBB Code: (3)(c)(5)

ACTION CODE: 115

Date in: 11/5/82

EFB # 46

Date Completed: 1/31/83

TAIS (level II) Days

63

1

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

1.0 INTRODUCTION

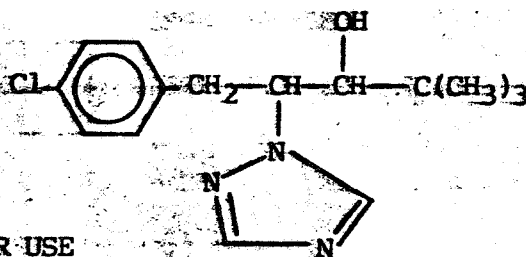
ICI Americas has submitted an application for registration for the plant growth regulator PP 333 50 WP (Paclobutrazol, proposed, as a. i.) for use on ornamental trees as a tree growth retardant.

1.1 Chemical

Common name: Paclobutrazol (proposed)

Chemical name: (+)-(R*,R*)-β-(4-chlorophenyl)-methyl-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol

Chemical structure:



2.0 DIRECTIONS FOR USE

Use directions are appended to this review

3.0 DISCUSSION OF DATA

Data presented in Volumes I and II are not pertinent to an environmental fate review for the proposed use of PP 333 50WP.

4.0 EXECUTIVE SUMMARY

- 4.1 There are no environmental fate data available for PP 333 (paclobutrazol, proposed).
- 4.2 In the proposed use, PP 333 (paclobutrazol, proposed) is not applied directly to the soil or water environment. Any environmental exposure would result from gradual release through diffusion from the treated tree.
- 4.3 EPB concludes, at this time, the environmental risk from migration of PP 333 (paclobutrazol, proposed) from treated trees is minimal.

5.0 RECOMMENDATION

5.1 EFB concurs with the registration of PP 333 (paclobutrazol, proposed) for the proposed use on ornamental trees as a tree growth retardant.

5.2 In the proposed use, PP 333 (paclobutrazol, proposed) is not applied to the soil or water environment. Thus, at this time, the usual environmental fate data requirements can be waived for PP 333 (paclobutrazol, proposed) for the proposed use.



Clinton Fletcher
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division

Paclobutrazol scientific review

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Pages 4 through 8 are not included in this copy.

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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