

US EPA ARCHIVE DOCUMENT

125601

Date Out EFB: FEB 07 1986

To: Robert Taylor
Product Manager 25
Registration Division (TS-767)

From: Samuel M. Creeger, Chief *SM*
Review Section No. 1
Exposure Assessment Branch
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 10182-OE

Chemical: Paclobutrazol

Type Product: Plant growth regulator

Product Name: BONZI

Company Name: ICI

Submission Purpose: Request waiver from aged leaching study for
greenhouse ornamental use

Date In: 6/7/85

Action Code: 160

Date Completed: FEB 07 1986

EAB # 5656

Days 0.5

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

Monitoring study requested by EAB:

Monitoring study voluntarily conducted by registrant:

COMMERCIAL/FINANCIAL INFORMATION IS NOT INCLUDED

- 1. Chemical - Paclobutrazol.
- 2. Test material - Not applicable.
- 3. Study/Action Type - Request of waiver from aged leaching study.
- 4. Study Identification - Not applicable.
- 5. Reviewer - Samuel M. Creeger
- 6. Approved by - Samuel M. Creeger, Chief
Section #1/EAB

Samuel M. Creeger

FEB 07 1986

7. Conclusions - The data requirements for the proposed greenhouse use are hydrolysis, aerobic soil metabolism and leaching/aged leaching. According to the March 15, 1984 EAB evaluation, all of the data requirements except aged leaching have been satisfied. Paclobutrazol was found to be stable to hydrolysis and aqueous photolysis, to aerobically degrade in soil with a half life of 1-7 months (shorter half lives in soils with higher organic matter content) and to have little potential for leaching (especially in organic soils such as those used in greenhouse-grown ornamentals that may be disposed of outdoors).

Since this submission involves use only in container-grown ornamentals in the greenhouse and less than 100 pounds of active ingredient nationwide, no significant impact on ground water supplies is expected. Therefore, for this use only, the aged leaching study may be waived.

8. Recommendations - A waiver from the requirement of the aged leaching study may be granted for this use only.

9. Background - The registrant, ICI Americas, has requested a waiver from the requirements of an aged leaching study normally required in support of their registration request for use of paclobutrazol on greenhouse, container-grown poinsettias and geraniums.

- 10. Discussion of Individual Studies - Not applicable.
- 11. One-liner - Not applicable.
- 12. CBI Appendix - Not applicable.