

Date Out: EFB: SEP 21 1981

To: Product Manager 16 Miller
TS-767

From Dr. Willa Garner ll
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 3125-GGR, 3125 GGN

Chemical: Oktanol

Type Product: Insecticide

Product Name: Amaze

Company Name: Mobay

Submission Purpose: Response to EFB comments for proposed use on turf
(per conference 3/6/81)

ZBB Code: 3(c)(7)

ACTION CODE: 176

Date in: 7/13/81

EFB # 882, 883

Date Completed: SEP 21 1981

TAIS (level II)

Days

Deferrals To:

64

2

X Ecological Effects Branch

Residue Chemistry Branch

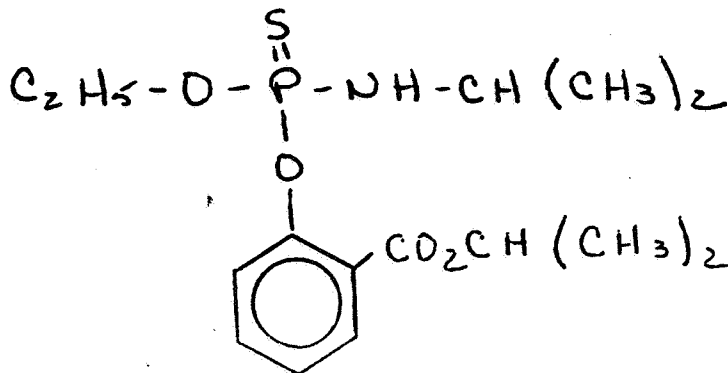
Toxicology Branch

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1.0 INTRODUCTION

Mobay Chemicals response to an EFB review of environmental chemistry data and to EFB's request to fill outstanding data gaps for the conditional registration of oftanol on turf.

2.0 Oftanol: Amaze: BAY 92114



1-methylethyl 2-[[ethoxy[(1-methylethyl)amino]phosphinoyloxy] benzoate

3.0 DISCUSSION

- 3.1 The only environmental chemistry study submitted was an ancillary study called Mobility of BAY 92114 in Soil Runoff Water, H. R. Shaw II, Mobay Report No. 43071, 4/9/80.

The equivalent of 7.5 lb active/acre (oftanol) was applied to silty clay, sandy loam, and high organic silty clay. During a 28 day period the equivalent of 6 inches of rainfall irrigated each soil. Runoff water was collected on 1, 7, 14, 21, and 28 days after treatment at 15, 20, and 30 ft from the treated site. Total residues ranged from 0.6 to 4.2% of the applied chemical, 90% of which was associated with water and 10% with silt.

- 3.2 Comments concerning specific items of the 6/15/81 Mobay letter to RD follow:

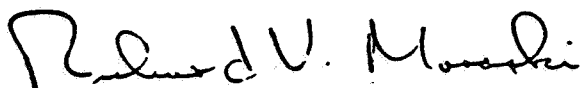
- page 5, item 1d: EEC calculations for both corn and turf were completed by EFB and submitted to EEB on 8/24/81 (corn) and 8/26/81 (turf). Copies are attached.
- page 6, item 3: The field dissipation study has been reviewed by EFB and sent to RD on 4/10/81.

4.0 CONCLUSIONS

- All environmental chemistry data requirements have been satisfied.
- EFB refers to EEB the remaining items on page 5 for comment.

5.0 RECOMMENDATION

EFB concurs with the conditional registration of Amaze on turf.



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Chemist
Review Section 1
Environmental Fate Branch