

US EPA ARCHIVE DOCUMENT

FILE COPY

Date Out EFB: NOV 25 1981

To: Product Manager 23 (Mountfort)  
TS-767

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

Attached please find the environmental fate review of:

Reg./File No.: 2139-REE

Chemical: Thidiazuron

Type Product: Herbicide

Product Name: DROPP

Company Name: Nor-Am

Submission Purpose: Response to questions raised in previous submission

ZBB Code: 3(c)(5)

ACTION CODE: 111

Date in: 11/4/81

EFB # 49

Date Completed: NOV 25 1981

TAIS (level II)

Days

Deferrals To:

61

0.25

       Ecological Effects Branch

       Residue Chemistry Branch

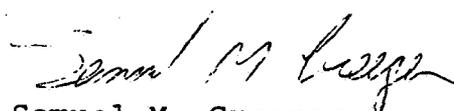
       Toxicology Branch

1. INTRODUCTION

- 1.1 This submission is in response to the EFB evaluation of thidiazuron (2139-REE) dated October 9, 1981. The recommendations of that evaluation were discussed with the registrant in a meeting on October 22, 1981. Refer to the October 9, 1981 evaluation and to the record of the meeting in the EFB file.

2. DISCUSSION/RECOMMENDATIONS

- 2.1 The analytical method was not enclosed. It is stated to be included in acc. no. 070125.
- 2.2 Recovery data was not enclosed as claimed.
- 2.3 The registrant's explanation of conversion of "lb/A" to "ppm" is acceptable.
- 2.4 Raw data for the soil dissipation studies of acc. no. 070125 were not enclosed as claimed.
- 2.5 Typical chromatograms of thidiazuron in soil were not enclosed as claimed.
- 2.6 A summary of the previously submitted rotational crop studies was not enclosed as claimed. Resubmission of acc. nos. 070130 and 242669 is needed. No change in the crop rotation restrictions, as stated in the October 9, 1981 evaluation, section 5.1.2, is warranted.
- 2.7 The report on microbe prevalence in the proposed use areas was not enclosed as claimed.
- 2.8 In response to our question regarding study 49537/NA 49 stated in section 5.1.5 of the October 9, 1981 evaluation, the registrant states that treatment was made to bare soil and does not mention any plowing to have taken place before planting barley, bush beans and turnips 23 days after treatment. However, the barley, bush beans and turnips were disced into soil prior to planting a follow-up crop of bush beans 242 days after treatment. This response is adequate.



Samuel M. Creeger  
November 25, 1981  
Section #1/EFB  
Hazard Evaluation Division