

Shaugh. No. 111601

25 JUL 1984

EAB Log Out Date:

Init.: SM

To: Richard Mountfort
Product Manager 23
Registration Division (TS-767)

From: Carolyn K. Offutt *Carolyn K. Offutt*
Chief, Environmental Processes and Guidelines Section
Exposure Assessment Branch, HED (TS-769)

Attached, please find the environmental fate review of:

Reg./File No.: 707-145, 707-174Chemical: OxyflurofenType Product: HerbicideProduct Name: GOALCompany Name: Rohm and HaasSubmission Purposes: Review aerial spray drift study;Add aerial application to labelZBB Code: 3(c)(5)Action Code: 305Date In: 21 June 1984EFB#: 4413-4414Date Completed: 13 July 1984TAIS (Level II) Days

63

0.2

Deferrals To:

Ecological Effects BranchResidue Chemistry BranchToxicology Branch

(1)

Oxyflurofen

I. Introduction

Rohm and Haas has presented data and requested that aerial application be added to their label of GOAL 1.6E and 2E for use in fallow fields in California and Arizona only.

II. Discussion

After a review of the information provided with respect to the aerial drift study, it was determined that lettuce was used as a biological indicator plant to determine the extend of possible drift in all directions from the field of application. The use of lettuce as a bioassay is acceptable, however there are no references or data that show the dose/response of lettuce to oxyflurofen.

III. Recommendation

Upon submission of this data, this study will be reevaluated, and the request to include aerial application on the GOAL label will be considered.



Robert W. Holst
Plant Physiologist
Hazard Evaluation Division (TS-769)

DATA EVALUATION RECORD

Chemical: Oxyflurofen

Formulation: GOAL 1.6E and GOAL 2E (emulsifiable concentrate)

Citation: Holmdal, J.A. 1984. Field drift loss studies from aerial application of GOAL herbicide. Submitted by Rohm and Haas Co., Philadelphia PA (EPA Acc. No. 253548)

Reviewer: Robert W. Holst, Ph.D. 13 July 1984
Plant Physiologist
Hazard Evaluation Division (TS-769)

Title: Spray Drift of GOAL

Materials and Methods: GOAL 1.6E was applied to three fallow fields in California as noted below to evaluate the extent of drift when aerially applied to fields being readied for cotton planting.

Study No:	818407	858406	818406
Date of Appl:	31JAN84	1FEB84	31JAN84
Location:	Kern County	Fresno County	Kern County
	CA	CA	CA
Temp:	F 78	63	78
Rel. Hum:	% 25	52	25
Soil Temp	F 82	62	82
Wind Spd:	mph 5	5-10	12
Wind Dir:	True NW	SE	N
Noz Type:	D-10	D-8,D-10	D-6 w/46 Swirls
Noz Ort:	Back	Back	Down (90°)
Press:	psi 35	24	35
Height:	ft 10	10	3
A/C SPD:	mph 110	110	65 (helo)
Appl. Dir.:	Crosswind	Crosswind	Crosswind
Pesticide:	ai/A 0.5 lb	0.5 lb	0.5 lb
Additives:	----- Triton	AS-98 at 0.25%	-----
GPA:	10	10	10

These were full field applications with collection bioassays around the field edges. A diagram of the field layout is provided.

Results: The results of the lettuce bioassay are given on the attached summary sheet provide by Rohm and Haas.

Discussion: No relationship of the extent of injury to lettuce by oxyflurofen was provided to the agency. Reference was made in the submission that such studies have been undertaken.

Acceptability: This study is not acceptable because the quantities of oxyflurofen causing the various levels of injury to lettuce were not provided.

3

RIN 0637-00

EFED Review - Oxyfluorfen

Page is not included in this copy.

Pages 4 through 5 are not included.

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 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.

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.