

US EPA ARCHIVE DOCUMENT

5-22-75

Environmental Chemistry Review for O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazin 3(4H)-yl)methyl]phosphorodithioate

Date Div. Received: 9/9/74                      Date of Submission: 8/27/74  
File or Reg. No.: 3125-123                      Type Product: Insecticide  
Petition or Exp. Permit No.: 5F1548  
Product Name: Guthion Spray Concentrate  
Company Name: Chemagro Corporation  
Submission Purpose: New Use

1. CONCLUSION

We have no environmental chemistry data to assess possible hazards of this new use. Data has been previously requested with reviews associated with registration numbers 3125-25, 102, 123, 193 and petition nos. 5F1546, 5F1547, and 2F1292.

We reiterate the following environmental chemistry data needed to assess possible hazards:

1.1 Soil leaching study using labeled material. Soil should be Lakeland fine sand, sandy loam and silty clay loam. Break-through point should be determined. Soil should be fortified and left undisturbed for one week and one month before eluting starts.

1.2 A soil degradation study is needed. Labeled material should be used to determine material balance. Samples should be used to determine material balance. Samples should be collected at PHI's of 0 day, 1 week, 3, 6, 12, and 20 weeks.

1.3 Answers to 2(a), (b), (c), (d) and 5(a), (b), and (c) in Pr Notice 70-15.

1.4 Runoff studies should have included separate analysis silt, soil particles from runoff water.

1.5 A fish residue study is needed.

2. INTRODUCTION

2.1 Applicant proposes the new use of Guthion on sorghum (Grain) at 7 ppm when the interval from last application to harvest is 7 days.

2.2 Routed for review 5/9/75.

3. DIRECTIONS FOR USE

Apply 0.5 lb. a.i./acre to foliage. Do not apply more than 3 times per season. Observe a 28 day PHI. Do not graze or use treated forage for feed or food purposes.

4. DISCUSSION OF DATA AND SUMMARY

No new environmental chemistry data submitted but requested in RD letter March 27, 1975.

*RE Ney 5/22/75*

Ronald E. Ney, Jr.  
Environmental Chemistry Section  
EEEE  
5/14/75

---

Joe B. Boyd  
Environmental Chemistry Section  
EEEE