

US EPA ARCHIVE DOCUMENT

Environmental Chemistry Review for 0,0-Dimethyl s-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl) methyl] phosphorothioate [Guthion-2 s]

PP# 5F-1547
EPA Reg. No. 3125-123

Chemagro Corp.
Submitted August 28, 1974

2-3-75

I. RECOMMENDATIONS

RL Registration.

Data to supplement PR Notice 70-15 are as follows and should be submitted within one year.

1. Soil leaching study using labeled material. Soil should be Lakeland fine sand, sandy loam and silty clay loam. Breakthrough point should be determined. Soil should be fortified and left undisturbed for one week and 1 month before eluting starts.
2. A soil degradation study is needed. Labeled material 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.
3. Answers to 2(a), (b), (c), (d), and 5 (a), and (b), and (c) in PR Notice 70-15.
4. Runoff studies should have included separate analysis silt, soil particles from runoff water.
5. A fish residue study is needed.

II. INTRODUCTION

1. Formerly submitted as PP# 2F-1292.
2. Petition is for tolerances of 5.0 ppm on dry corn forage and fodder and 0.1 ppm on field corn grain.
3. See environmental evaluation #2 for Guthion dated February 21, 1974.

III. DIRECTIONS FOR USE

Apply 0.125-0.375 lb ai/A in aerial volume equipment.

First treatment should be applied 20 days after beetles start to emerge with second application 20-30 days later.

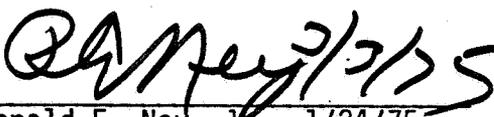
Do not apply more than two times per season.

Do not graze or ensile green forage.

Dry corn and forage may be fed 60 days after last application.

IV. DISCUSSION OF DATA

No new environmental chemistry data submitted.


Ronald E. Ney, Jr., 1/24/75

Frank J. Schenck, 1/16/74~~5~~

Environmental Chemistry Review Section
Efficacy and Ecological Effects Branch

Date typed: 3/3/75