

US EPA ARCHIVE DOCUMENT

EEE BRANCH REVIEW

DATE: IN _____ OUT _____ IN 5/14/75 OUT 6/9/75 IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 3125-25

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 04/14/75

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, H, F, N, R, S

PRODUCT MGR. NO. 12

PRODUCT NAME(S) Guthion 25% Wettable Powder

COMPANY NAME Chemagro

SUBMISSION PURPOSE Additional use to label

CHEMICAL & FORMULATION 0,0-Dimethyl S-[(4-Ox0-1,2,3-benzotriazin-3 (4H)-yl)methyl] phosphorodithioate (Guthion)

1.0. CONCLUSIONS

1.1. This chemical is registered for the proposed use, however, there is insufficient data to assess possible hazards. Data has been previously requested with reviews associated with registration Nos. 3125-25, 102, 123 and 193 and Petition Nos. 5F1546, 5F1547, 5F1548 and 2F1292.

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

1.1.1. 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.

1.1.2. 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.

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

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

1.1.5. A fish residue study is needed.

2.0. INTRODUCTION

Applicant proposes the use of Guthion 25% W.P., Reg. No. 3125-25 on almonds. Guthion is registered for use on almonds at the proposed rate of application.

2.1. Azinphos methyl, Baxer 17147, CAS 86-50-0, ENT-23233

2.2. 25%

2.3. Almonds

2.4. 3125-25, 3125-25 (5F1546) 4/11/75, 3/6/75
our dates