

US EPA ARCHIVE DOCUMENT

10-18-77  
125  
PM

EEE BRANCH REVIEW

DATE: IN \_\_\_\_\_ OUT \_\_\_\_\_ IN \_\_\_\_\_ OUT \_\_\_\_\_  
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY  
IN 10-12 OUT 10-18

Data Accession No(s): 228720, 231944

FILE OR REG. NO. 3125-280

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED 9/26/77

DATE OF SUBMISSION 9/21/77

DATE SUBMISSION ACCEPTED \_\_\_\_\_

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

PRODUCT MGR. NO. 16

PRODUCT NAME(S) Monitor 4

COMPANY NAME Chemagro

SUBMISSION PURPOSE Add Whiteflies to Cotton Col. Pot. Beetle Statement

CHEMICAL & FORMULATION (Monitor) Methamidophos 4E

BEST DOCUMENT AVAILABLE

204  
17

200.0 Introduction

This is a 2(A) submission for amended registration.

200.1 Uses

To add white flies to cotton. 1/2 - pint (0.25 - 0.50 # a.i.)/A. 25-125 GPA ground, 3-10 gpa air.

200.2 Background

See Joann Edwards' review of 7/19/77.

201.0 Data

1. 228720 has been previously reviewed.
2. 231944 contains 3 new pieces of data, all are ground applications at 0.20 - 0.25 # Ai/A.
3. Only one test was a controlled test with check plots. [plots] The material performed well enough, although not outstanding. The other tests described large scale field trials of 26-100 acres. In these tests, one application (.25#) was not effective in reducing populations (heavy pressure) significantly below the described threshold density of 50% infested terminals. A second application did a better job than azodrin in cleaning up the infestation. Multiple applications are often necessary for white flies due to the nature of the life cycle of the pest.

202.0 Conclusions

1. The data indicate that the material is biologically active toward unspecified spp. of white flies at 0.25-0.50 # ai/A applied by ground equipment. These same data indicate that multiple applications are likely to be necessary under heavy infestation pressure.
2. The data remain insufficient to support label claims for air application. No new data for air application was submitted.

BEST DOCUMENT AVAILABLE

126  
205/18

202.2.1 Modified Claim Supported

1. The data are sufficient to support claims for ground application if the directions for use are amended to include a statement informing the user that a second (or repeat) application may be necessary for heavy infestations.
2. The data do not support label claims for air application (no new data was submitted). A minimum of additional data is necessary to support this claim.
3. P.M.Note: We recently completed a review for Ortho Monitor 4 Spray concerning Colorado Potato Beetle Resistance (239-2404, 9-22-77). In order to be consistent, the label restrictions suggested for the Ortho product should also appear in the directions for this product. The registrant should be informed that as we have received information concerning resistance by the Colorado potato beetle to Monitor, and such resistance being most evident in New York, the label should be modified to read "Colorado Potato Beetle" (except New York)" and the following statement added to the "remarks" column:

Resistance by Colorado Potato Beetle has occurred in some areas, consult your local extension service for details.

A copy of the original letter sent to Chevron is attached to this review. Any other Monitor labels with this use pattern should also be amended.

Phil Hutton, Entomologist  
Efficacy Section, EEEB

127

206