1-4-84

125301
Shaughnessy No.

Date out of EAB: 04 JAN

04 JAN 1984

To: Nelson/Gardner
Product Manager #17
Registration Division (TS-767)

From: Samuel M. Creeger, Chief
Environmental Chemistry Review Section 1
Exposure Assessment Branch
Hazard Evaluation Division (TS-769c)

Attached please find the EAB review of...

Reg./File No.: 35 977 - EUP - G

Chemical: Fenoxycarb

Type Product: G

Product Name: Logic

Company Name: Maag Agrochemicals

Submission Purpose: use on mosquitos

ZBB Code: ?

ACTION CODE: 700

Date In: 10/28/83

EFB # 4051

Date Completed: 04 JAN 1984

TAIS (level II) Days

61 1

Deferrals To:

_____ Ecological Effects Branch

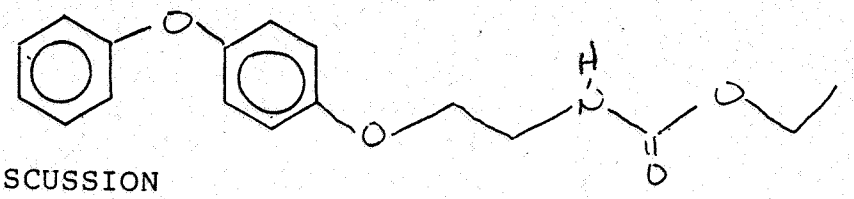
_____ Residue Chemistry Branch

_____ Toxicology Branch

1.0 INTRODUCTION

Maag Agrochemicals has submitted an application for an EUP to use fenoxycarb to control mosquito larvae in aquatic non-crop areas.

2.0 Logic: Ro 13-5223: fenoxycarb
ethyl[2-(phenoxyphenoxy)ethyl] carbamate



3.0 DISCUSSION

The proposed one year program calls for treating salt and fresh water mosquito breeding areas. Six states (AR, CA, FL, MA, MN, and NJ) are involved. A total of 1275 acres is to be treated with about 56 lb ai.

Two formulations, the 1% granule and 125 EC will be tested. Application will be by aircraft at rates of 8-20 g ai/acre. Label restrictions prohibit use on potable water, aquatic crops, or areas where fish or other species might be used for human consumption.

No new environmental fate data were submitted. In a previous submission (see review dated 12/13/83) the following studies were listed as having been submitted and accepted:

Hydrolysis
Water photolysis
Aerobic soil metabolism
Anaerobic soil metabolism
Leaching; adsorption/desorption
Field soil dissipation

For registration as a new crop aquatic use pesticide, the following studies will also be required:

Aerobic aquatic metabolism
Anaerobic aquatic metabolism
Soil (sediment)/water field dissipation
Irrigated crop accumulation
Flow through fish accumulation
Aquatic non-target accumulation

The registrant is advised to consult the guidelines for possible combined testing to satisfy some of the above registration requirements.

4.0 RECOMMENDATION

The environmental fate studies required for an EUP have been satisfactorily completed. EAB agrees to the granting of an EUP for treatment of mosquito breeding areas with fenoxycarb.

Richard V. Moraski, Ph.D.
Chemist
Review Section No. 1