

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: 122101

Date out EAB: 22 JUN 1984

To: Don Stubbs
Product Manager #41
Registration Division (TS-767)

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

323EE

Attached, please find the EAB review of:

Reg./File No.: 84-MN-06

Chemical: CGA-64250

Type Product: F

Product Name: TILT

Company Name: _____

Submission Purpose: Section 18 Request by State of Minnesota
for use of TILT on wild rice

ZBB Code: 3(c)(5)

Action Code: 510

Date In: 6/13/84

EAB No.: 4402

Date Completed: 20 JUN 1984

TAIS (Level II) Days

Deferrals To: 51 1

_____ Ecological Effects Branch

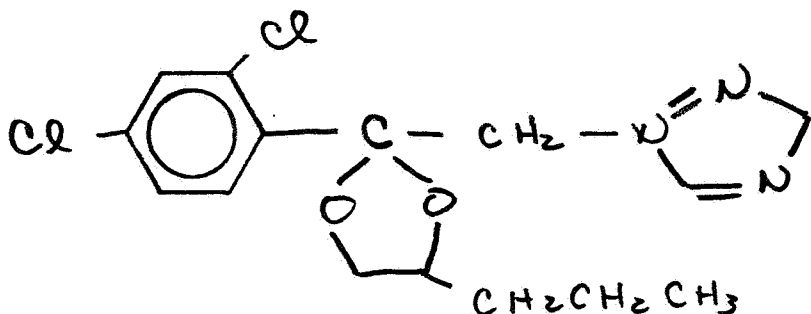
_____ Residue Chemistry Branch

_____ Toxicology Branch

1.0 INTRODUCTION

The state of Minnesota has requested an emergency exemption for use of CGA-64250 on wild rice.

2.0 Tilt: Banner: CGA-64250



3.0 DISCUSSION

According to the Section 18 request, 22,000 acres of wild rice have been affected by fungal brown spot. Tilt would be applied by air at boot, late boot, and flowering periods in the plants' development. It will be applied at a rate of 100 g ai/acre if one application is made (late boot) or 75 g ai/acre if 2 applications are made (early boot and flowering).

According to EAB files, CGA-64250 appears to be stable to hydrolysis, soil photolysis, metabolizes slowly aerobically, becomes tightly bound to soil and is relatively persistent near the soil surface. It accumulates in fish to a moderate extent but the rate of depuration is rapid.

The main metabolite is 1,2,4-H-triazole. Its environmental fate (not thoroughly reviewed) indicates that it does not hydrolyze or photolyze in water, but can leach and will remain persistent in soil.

The environmental fate, therefore, of CGA-64250 is known with the exception of rotational crop and field dissipation data. If wild rice is grown under paddy conditions, then water from from the treated fields should not be used to irrigate other crops.

4.0 RECOMMENDATION

EAB concurs with the Section 18 request by the state of Minnesota for use of Tilt on wild rice provided that treated fields will not be rotated to crops other than wild rice and that water from treated fields is not used to irrigate other crops.

Richard V. Moraski
Chemist
Environmental Chemistry Review Section No. 1