

US EPA ARCHIVE DOCUMENT

Shaughnessy # 127201

Date Out EAB: 19 NOV 1984

To: H. Jacoby
Product Manager 21
Registration Division (TS-767)

From: Samuel M. Creeger, Chief 
Review Section No. 1
Exposure Assessment Branch
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: 3425-EUP-ROR

Chemical: Baytan

Type Product: Fungicide

Product Name: Baytan

Company Name: Mbay Chemical Co.

Submission Purpose: new use as a seed treatment on sorghum

ZBB Code: other

ACTION CODE: 730

Date In: 10/M/84

EAB # 5034

Date Completed: 19 NOV 1984

TAIS (level II)

Days

52

2

Deferrals To:

 Ecological Effects Branch

 Residue Chemistry Branch

 Toxicology Branch

1. INTRODUCTION

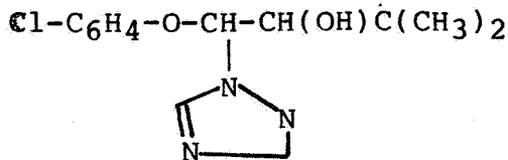
Mobay Chemical Company has submitted a request for a new use of the fungicide Baytan 150 FS on sorghum as a seed treatment.

Chemical

Common name: Baytan 150 FS

Chemical name: Beta-(4-chlorophenoxy)-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol

Structure:



2. DIRECTIONS FOR USE

On grain sorghum for the treatment of head smut, use 3.2 ounces (0.5 oz. active) Baytan per 100 lbs. of seed. Dilute this specified dosage with water at the rate of 1 part Baytan 150 FS to 4 parts water. Mix thoroughly with seed to provide uniform coating.

3. DISCUSSION

Based on the review of EPA ACC. No. 071462 data (6/22/83) for the use of the fungicide Baytan 150 FS as a seed treatment on small grains and corn, EAB does not expect a use of Baytan 150 FS for sorghum seed treatment to be markedly different from the previously proposed and accepted uses for Baytan 150 FS.

Sorghum seed is planted in rows at 3-6 lbs. seed/A, when planted in close drill, 15-75 lbs. seed/A are used. This would amount roughly to an application of 0.002 ppm of Baytan in the first case and 0.02 ppm in the second case to a three inch acre of soil. This initial application rate is at the detection limit for Baytan (0.01 ppm) and subsequent decay of the pesticide would lead to non-detectable levels in the soil. Therefore, field dissipation and rotational crop studies can be waived.

No additional data is required, and as in the previous application for use of Baytan 150 FS as a seed treatment on

fish accumulation studies are waived for the new use on sorghum seed.

4. RECOMMENDATIONS

EAB has adequate data on file to support the new use of Baytan 150 FS as a seed treatment on sorghum.

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