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DATE: 1/19/79

To: Product Manager Garner 23
TS-767

Through: Dr. Gunter Zweig, Chief
Environmental Fate Branch

From: Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 100 - EUP - 62

Chemical: Propazine = [2-chloro-4,6-bis(isopropylamino)-s-triazine]

Metolachlor = [2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)
acetamide]

Type Product: Herbicide

Product Name: Milocep

Company Name: Ciba - Geigy

Submission Purpose: EUP on sorghum grown for grain. Total acreage is
50 acres. This is a prepackaged combination herbicide.

Date in: 12/18/78

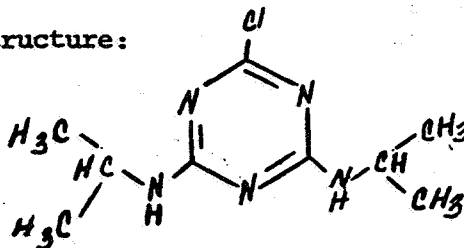
Date out: 1/19/79

1.0 Introduction

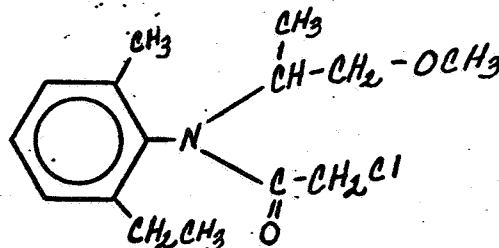
- 1.1 Active Ingredients: Propazine = [2-chloro-4,6-bis
(isopropylamino)-s-triazine]
(1.66 lbs. a.i./gal.)
Metolachlor = [2-chloro-N-
(2-ethyl-6-methylphenyl)-
N-(2-methoxy-1-methylethyl)
acetamide] (3.33 lbs. a.i./gal.)

1.2 Product Name: MilocepTM Herbicide

1.3 Chemical Structure:



Propazine



Metolachlor

- 1.4 The applicant requests an experimental use permit for the use of 34 gallons of Milocep (113.22 lbs. a.i. Metolachlor, 56.44 lbs. a.i. Propazine) on 50 acres of sorghum grown for grain. Milocep herbicide will be shipped from Greensboro, NC for use in nine states on .5 to 1 acre plots at a maximum of 50 test locations. Milocep is a prepackaged combination herbicide.

2.0 Directions for Use

- 2.1 Milocep 5L would be applied by one of the following methods at a maximum dosage of 2.5 qts. or 0.625 gal/A (1.04 lbs. a.i. Propazine/A, 2.08 lbs. a.i. Metolachlor/A):

1. With water carrier preplant incorporated.
2. With fluid fertilizer carrier preplant incorporated.
3. With water carrier preemergence.
4. With fluid fertilizer carrier preemergence.

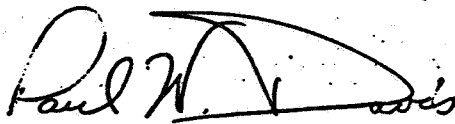
- 2.2 Sorghum grain harvested from the experimental plots would not be marketed for purpose of milling. Treated sorghum forage or fodder would not be fed to or grazed by livestock.
- 2.3 Any Milocep remaining at the end of the proposed experimental program will be stored by the participants in accordance with label restrictions on storage. It will not be used for any purpose other than an EPA approved program.
- 2.4 Empty containers will be disposed of in accordance with the restrictions on the experimental label.

3.0 Discussion of Data and Conclusions

No data are required for this small use of only 50 acres since the expected environmental risks are extremely low. No crop rotation restriction is necessary because there is no mechanism of control on such small plots and any such risk would be small.

4.0 Recommendations

- 4.1 The proposed experimental program is acceptable for this small use.
- 4.2 All data as specified under Section 3 of the Guidelines will be required for registration of this field crop use. This includes crop rotation data.



1/25/79

Paul W. Davis
Review Section #1
EFB - HED

jcp