

Shaughnessy No: 125401

Date Out of EAB: MAY 3 1988

To: Robert Taylor  
Product Manager 25  
Registration Division (TS-767)

From: Paul Mastradone, Ph.D. *PM*  
Chief (acting), Section 1  
Exposure Assessment Branch/HED (TS-769C)

Thru: Paul F. Schuda, Chief  
Exposure Assessment Branch/HED (TS-769C) *Paul F. Schuda*

Attached, please find the EAB review of:

Reg./File # : 279-3052  
Chemical Name : Dimethazone  
Type Product : Herbicide  
Product Name : Command  
Company Name : FMC  
Purpose : Registration on fallow cropland  
MRID : \_\_\_\_\_  
\_\_\_\_\_

Date Received : 8/18/87 Action Code: 315

Date Completed: \_\_\_\_\_ EAB #(s): 70907

Monitoring study requested: \_\_\_\_\_ Reviewing Time: 0.5 days

Monitoring study volunteered: \_\_\_\_\_

Deferrals to: \_\_\_\_\_ Ecological Effects Branch

\_\_\_\_\_ Residue Chemistry Branch

\_\_\_\_\_ Toxicology Branch

1. CHEMICAL: Dimethazone, Command, FMC 57020, 2-(2-chlorophenyl)methyl-4,4-dimethyl-3-isoxasolidinone

2. TEST MATERIAL: N/A

3. STUDY /ACTION TYPE: Registration on fallow cropland

4. STUDY IDENTIFICATION: N/A

5. REVIEWED BY:

Stephen Simko, Chemist  
Section 3  
EAB/HED/OPP

*S Simko*  
42788

6. APPROVED BY:

Paul Mastradone, Ph.D.  
Chief (acting), Section 3  
EAB/HED/OPP

*Paul J Mastradone*  
MAY 3 1988

7. CONCLUSIONS:

All environmental fate data are satisfied with one exception. In an EAB memo (6/18/86) of a meeting with FMC, reports of off-target movement of dimethazone was discussed. It was suspected that volatilization of dimethazone was occurring from wet soil. At that time EAB requested data comparing application to both dry and wet soil and subsequent volatilization.

8. RECOMMENDATIONS:

EAB cannot recommend the new use without having received and reviewed the volatilization data described above in the Conclusions.

9. BACKGROUND:

Dimethazone use on soybeans was approved by EAB on 12/10/86. Registration is now requested on fallow land for

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preemergence control of annual grass and broadleaf weeds with rotation to winter wheat (9 month rotation restriction). Application within 1000 feet of emerged wheat is prohibited. The maximum application rate of Command 4 EC is 32 ounces per acre.

10. DISCUSSION OF INDIVIDUAL TESTS AND STUDIES: N/A
11. COMPLETION OF ONE-LINER: N/A
12. CBI APPENDIX: None.