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

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

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

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

   [Signature]
   4/27/88

6. **APPROVED BY:**
   - Paul Mastradone, Ph.D.
   - Chief (acting), Section 3
   - EAB/HED/OPP

   [Signature]
   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
preemergence control of annual truss 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.