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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

PMSD/ISB  
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OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg. No. 279-EUP-109. Command® 6 EC on fallow cropland with a follow-up planting of winter wheat. RCB No. 1348.

FROM: Linda S. Propst, Chemist  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769)

*Linda S. Propst*

THRU: Andrew R. Rathman, Section Head  
Residue Chemistry Branch  
Hazard Evaluation Division (TS-769)

*ADR*

TO: Robert Taylor, PM 25  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

The Agricultural Chemicals Group, FMC Corporation was granted a two year EUP on August 14, 1985 for the evaluation of Command® 6 EC (common name, dimethazone) on fallow cropland.

Command® 6 EC whose Confidential Statement of Formula was submitted with PP#4F3128 contains 6 lbs. of 2-(2-chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone per gallon. The inert ingredients have been cleared under Section 180.1001 (c) or (d).

The registrant, planning to register Command® 6 EC for use on fallow cropland with a follow-up planting of winter wheat, has queried us as to the need for a tolerance in winter wheat. The current label for Command® 6 EC restricts planting wheat sooner than 10 months after a late summer or fall application.

Exposure Assessment Branch has concluded (Samuel M. Creeger memo, 8/12/86) that low levels of dimethazone residues can be expected in soils at 10 month post-application. This is based on residues actually found at 7-months post-application of 0.06 - 0.14 ppm and residues actually found at one year post-application of 0.02 - 0.16 ppm. Soil samples were not taken at 10 months.

Our Comments

Since there will be residues in the soil at the time of planting the subsequent crop, we consider the proposed use to be a food use and will require tolerances for residues in the subsequent crop.

cc: Reading File, Circulation, Subject File, Reviewer, EAB, PMSD/ISB  
RDI: A. R. Rathman, 11/18/86; R. D. Schmitt, 11/18/86  
TS-769:RCB:LSP:lsp:CM-2:Rm801:557-7324:11/18/86

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