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

AUG 19 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Request for EEC Model for Acetochlor

FROM: *afk* Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division H7507C

Douglas D. Henry
8/19/93

TO: Henry M. Jacoby, Chief
Environmental Fate and Groundwater Branch
Environmental Fate and Effects Division H7507C

The Ecological Effects Branch (EEB) is reviewing a request to use the herbicide acetochlor on corn. In the course of this review, EEB has found that the initial EEC's exceed the levels of concern for aquatic and terrestrial plants.

The registrant, the Acetochlor Registration Partnership, has submitted information and modeling in an attempt to show that the exposure concentrations at edge of field and in ponds adjacent to the site of application do not exceed the levels of concern. This information has been shown to Henry Nelson, Section Head, Surface Water Section, EFGB, and he agreed that a formal request and a beansheet was warranted to evaluate it. This information is being routed with a beansheet through SACS under the Barcode: D192645.

In addition, if the registrants modeling is not useful in assessing exposure to plants, please model the exposure to plants. For terrestrial plants model exposure from runoff at the "edge of field" and for aquatic plants model exposure from runoff from a 10-acre field into a 1-acre pond 6 feet deep.

This has been identified to EFED as a priority RD action and the EEB is expected to respond to RD with a review of this proposed use by December 31, 1993. In response to Henry Nelson's request for a range of completion dates that would best fit our schedule, the EEB would ideally like to have the response by November 1, 1993 and hopefully, no later than December 1, 1993 to allow us to incorporate your findings in our risk assessment by December 31.

Thank you, and if you have questions regarding this request, please see Mike Davy or call him at 305-7081.



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