

US EPA ARCHIVE DOCUMENT

DP Barcode : D187256
 PC Code No : 121601
 EEB Out : MAR 3 1993

To: JOANNE MILLER
 Product Manager 23
 Registration Division (H7505C)

From: Anthony F. Maciorowski, Chief
 Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 10182-EUP-54
 Chemical Name : ACETOCHLOR
 Type Product : HERBICIDE
 Product Name :
 Company Name : ICI AMERICAS
 Purpose : REVIEW PROPOSED LOCATIONS WHERE ACETOCHLOR
 WILL BE USED EXPERIMENTALLY AND DETERMINE ENDANGERED SPECIES
 ARE AT RISK IN THESE LOCATIONS FROM ACETOCHLOR
 Action Code : 716 Date Due : 2-10-93
 Reviewer : MIKE DAVY Date In EEB: 1-28-93

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)			72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)			72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)			123-1(B)		
71-5(A)			72-3(F)			123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)			72-6			141-2		
72-1(D)						141-5		

Y=Acceptable (Study satisfied Guideline)/Concur
 P=Partial (Study partially fulfilled Guideline but additional information is needed)
 S=Supplemental (Study provided useful information but Guideline was not satisfied)
 N=Unacceptable (Study was rejected)/Nonconcur

P BARCODE: D187256

CASE: 194562
SUBMISSION: S434148

DATA PACKAGE RECORD
BEAN SHEET

DATE: 01/26/93
Page 1 of 1

*** CASE/SUBMISSION INFORMATION ***

BASE TYPE: EUP (SECT 5) ACTION: 716 EUP NC F/F EXT/RENEW REQ
CHEMICALS: 121601 Acetochlor (ANSI) 70.8700%

D#: 010182-EUP-054
COMPANY: ICI AMERICAS INC
PRODUCT MANAGER: 23 JOANNE MILLER 703-305-7830 ROOM: CM2 237
TEAM REVIEWER: JESSE MAYES 703-305-5218 ROOM: CM2 235
RECEIVED DATE: 01/22/93 DUE OUT DATE: 05/22/93

*** DATA PACKAGE INFORMATION ***

P BARCODE: 187256 EXPEDITE: N DATE SENT: 01/26/93 DATE RET.: / /

CHEMICAL: 121601 Acetochlor (ANSI)

P TYPE: 001 Submission Related Data Package

MIN DUE DATE: 04/16/93 CSF: N LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	01/28/93	/ /
BRAN: EEB	01/28/93	/ /
SECT:	/ /	/ /
REVR :	/ /	/ /
CONTR:	/ /	/ /

*** DATA REVIEW INSTRUCTIONS ***

Attention Dan Rieder:

As per our discussion I am forwarding the list of locations where ICI proposes to use the pesticide. The EUP will be conditioned on whether these locations are satisfactory relative to being a hazard to any endangered species.

Thanks.

*** ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION ***

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MAR 3 1993

MEMORANDUM

SUBJECT: Acetochlor EUP Endangered Species Concerns

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

TO: Joanne Miller, PM-23
Fungicide-Herbicide Branch
Registration Division (H7505C)

The Ecological Effects Branch has, determined that endangered species of plants and fish may be affected when acetochlor is used experimentally on corn at labeled rates. ICI Agricultural Products has submitted a list of proposed EUP locations where acetochlor will be used. This action is under D187256.

The list of locations involves 555 sites in 27 states. Locations of some of the endangered species of plants are not known to the Agency and locations of other species are known. The following EUP sites from the submitted list are known to have endangered species near the EUP site. If all of the sites within the county have endangered species or the endangered species cannot be specifically located within the county, then the entire county will be mentioned in the list. The towns in parenthesis relate to locations within the county that are believed to not have endangered species nearby. The numbers next to the county name will serve as keys to the endangered species.

Delaware.....New Castle-17,18,27.

Georgia.....Early-13

Iowa..... Adair-8,21; Bremer-21; Buena Vista-21; Clay-21;
Dickinson-21; Emmet-21; Guthrie-21; Harrison-25;
Howard-21; Kossuth-21; Pottawattamie-25; Warren-8;
Woodbury-25 (not at Danbury).

Illinois.....Alexander-25; Grundy-5; Henry-5; Lee-11;
Marshall-4 (not at Henry);
Madison-25 (not at Highland or Worden);
Ogle-11; Putnam-4; Union-12,25.

Kansas.....Doniphan-25; Shawnee-21.

Maryland.....Harford-24,27; Washington-10.

Michigan.....Huron-5; Saginaw-5.

Minnesota.....Mower-21; Rice-9; Rock-21.

Missouri..... Buchanan-25; Cape Girardeau-25; Franklin-25;
Lafayette-25; Moniteau-25;
Montgomery-25 (not at Bellflower); Petitis-8;
Ray-25; Saline-25 (not at Marshall);
Scott-25 (not at Sikeston); St. Genevieve-25;
St. Charles-25.

Nebraska.....Box Butte-1; Seward-21.

New York.....Columbia-27.

North Carolina.Beaufort-27; Bertie-27; Camden-27; Columbus-3;
Hyde-27; Onslow-27; Stanley-15; Union-15.

North Dakota...Richland-21

Ohio.....Pickaway-26; Warren-14; Wayne-5.

Pennsylvania...Centre-17.

South Carolina.Clarendon-2,27.

South Dakota...Clay-27; Union-27.

Tennessee.....Bradley-22,23,28; Davidson-7,19; Sullivan-29.

Texas.....Hidalgo-20.

Virginia.....Charles City-16; King and Queen-16; Rockingham-10.

Wisconsin.....Jefferson-5; Pierce-11; Portage-6; Rock-5,11;
Sauk-11; Walworth-5; Winnebago-5; Dane-5,11.

The endangered species that may be affected by the labeled use of acetochlor are as follows:

Endangered Plants:

- 1) Blowout Penstemon (Penstemon haydenii)- Nebraska
- 2) Canby's Dropwort (Oxypolis canbyi)- South Carolina
- 3) Cooley's Meadowrue (Thalictrum cooleyi)- North Carolina
- 4) Decurrent False Aster (Boltania decurrens)- Illinois
- 5) Eastern Prairie Fringed Orchid (Platanthera leucophaea)- Illinois, Michigan, Ohio, Wisconsin.
- 6) Fassett's Locoweed (Oxytropis campestris var. chartacea)- Wisconsin
- 7) Leafy Prairie Clover (Dalea foliosa)- Tennessee
- 8) Mead's Milkweed (Asclepias meadii)- Iowa, Missouri
- 9) Minnesota Lily Trout (Erthronium propullans)- Minnesota
- 10) Northeastern Bulrush (Scirpus ancistrochaetus)- Maryland, Virginia
- 11) Prairie Bush-Clover (Lespedeza leptostachya)- Illinois, Wisconsin.
- 12) Price's Potato-Bean (Apios priceana)- Illinois
- 13) Relict Trillium (Trillium reliquum)- Georgia
- 14) Running Buffalo Clover (Trifolium stoniferum)- Ohio
- 15) Schweintz's Sunflower (Helianthus schweinitzii)- North Carolina
- 16) Sensitive Joint-Vetch (Aeschynomene virginica)- Virginia
- 17) Small Whorled Pogonia (Isotria medeoloides)- Delaware, Pennsylvania,
- 18) Swamp Pink (Helonia bullata)- Delaware
- 19) Tennessee Purple Coneflower (Echinacea tennesseensis)- Tennessee
- 20) Walker's Manioc (Manihot walkerae)- Texas
- 21) Western Prairie Fringed Orchid (Platanthera praeclara)- Iowa, Kansas, Minnesota, North Dakota, Nebraska,

Endangered Fish:

- 22) Amber Darter (Percina antesella)- Tennessee
- 23) Conasauga Logperch (Percina jenkinsi)- Tennessee
- 24) Maryland Darter(Etheostoma sellare)- Maryland
- 25) Pallid Sturgeon(Scaphirhynchus albus)- Illinois, Iowa, Kansas, Missouri, South Dakota
- 26) Scioto Madtom (Noturus trautmani)- Ohio
- 27) Shortnose Sturgeon (Acipenser brevirostrum)- Delaware, Maryland, North Carolina, New York, South Carolina
- 28) Snail Darter (Percina tanasi)-Tennessee
- 29) Spotfin Chub (Hybopsis monacha)-Tennessee

EEB has concluded that endangered species may be adversely effected by the use of acetochlor when applied at the labeled rates. Therefore, if acetochlor is used in these counties, RD should obtain information from the registrant showing that each use site in these counties is not near any endangered plant or fish species.

If you have any questions, please do not hesitate to contact Mike Davy at 305-7081.