

121601
SHAUGHNESSEY NO.

4
Review No.

EEB BRANCH REVIEW

DATE: IN 11-3-81 OUT 11-13-81

FILE OR REG. NO. 524-EUP-56

PETITION OR EXP. PERMIT NO. _____

DATE OF SUBMISSION 10/22/81

DATE RECEIVED BY HED 11/2/81

RD REQUESTED COMPLETION DATE 2/2/82

EEB ESTIMATED COMPLETION DATE _____

RD ACTION CODE/TYPE OF REVIEW 711/EUP

TYPE PRODUCT(S): I, D, (H,) F, N, R, S Herbicide

DATA ACCESSION NO(S). _____

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) MON-097

COMPANY NAME Monsanto Company

SUBMISSION PURPOSE Submission of Data For Review

SHAUGHNESSEY NO.	CHEMICAL, & FORMULATION	% A.I.
	<u>2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methyl phenyl)</u>	
	<u>acetamide</u>	<u>86.4%</u>

100.0 Pesticidal Use

The herbicide MON 097 was first seen in this branch in Jan 1981 as an EUP. The proposed use pattern was corn and Soybeans through out the U.S. The six basic studies were evaluated, but due to data deficiencies all studies were not accepted. Because all studies were not available, the hazards associated with the EUP program were not evaluated. The purpose of this review is not to evaluate the EUP which has been granted and conducted, but to evaluate the last of the basic studies.

103.0 Fish and Wildlife Toxicity

The following is a summary of ONLY the fish and wildlife toxicity tests submitted to date.

<u>Assession #</u>	<u>Species</u>	<u>Test</u>	<u>Results</u>	<u>Formulation</u>	<u>Status</u>
Unknown	Bobwhite quail	Acute oral	LD50=1560 mg/kg	Tech.	Core*
"	Bobwhite quail	8-day dietary	LC50 >5620 ppm	Tech.	Core
"	Mallard duck	8-day dietary	LC50 >5620 ppm	Tech.	Core
"	Bluegill Sunfish	96 hr. LC50	= 1.3 mg/l	Tech.	Invalid
"	Rainbow trout	96 hr. LC50	= 0.4 ² mg/l	Tech.	Core*
"	<u>Daphnia magna</u>	48 hr. EC50	= 1 ¹ mg/l	Tech.	Core*
246128	Bluegill Sunfish	96 hr. LC50	= 1.3 mg/l	Tech	Core

* Studies reevaluated and upgraded to core by review dated 8-10-81 (R. Farringer)

104.1.3 Adequacy of Toxicity Data

The bluegill sunfish study is adequate to support registration of Mon 097 (acetochlor).

John Tice *[Signature]* 11-17-81
Ecological Effects Branch/HED

Harry Craven *HTC* 11/18/81
Head, Section 4, EEB/HED

Clayton Bushong, *Clayton Bushong* 11/19/81
Chief, Ecological Effects Branch/HED