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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SEP 21 1982

MEMORANDUM

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TO: Robert Taylor (25)
Registration Division (TS-767)

THRU: Orville E. Paynter, Chief
Toxicology Branch
Hazard Evaluation Division (TS-769)

SUBJECT: Alachlor; EPA Reg.#524-316. A Request to Terminate
Lifetime Rat Feeding Study at Two-Years.

Action Requested:

Monsanto Company is requesting EPA's concurrence to terminate at this time the new Alachlor lifetime chronic feeding study in rats (Long-Evans strain), ML-80-186/224.

Recommendation:

Toxicology Branch has no objection to the termination of this study at this time. The rats have been on test for two years and a NOEL for chronic toxicity needs to be established as soon as possible. Monsanto indicated in a telephone communication by Dr. D. Duncan on 9/17/82 that the survivability of these animals is as follows:

Number of Survivors/Number Initiated

Dosage mg/kg/day	Males	Females
0 (Control)	22/50	22/50
0.5	29/50	28/50
2.5	30/50	26/50
15.0	24/50	17/50
126.0	33/100	28/100

Amal Mahfouz 9/17/82
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W/aoe/ 9/24/82