4-1-91

ENVIRONMENTAL FATE AND EFFECTS DIVISION

ECOLOGICAL EFFECTS BRANCH

List B Phase 4 - Response on Existing Studies Reviewed

CHEMICAL AI NAME: Molinate (Ordram). **CASE NO.:** 2435.
CHEMICAL NO.: 041402

REVIEWER'S NAME: James J. Goodyear.
TELEPHONE NUMBER: 703-557-7726.
DATE: April 1, 1991.

USE PATTERN(S):
Rice (Postemergence Chemigation, Aerial spray, and Ground spray. Preplant Chemigation, "Soil incorporated treatment [-] Aircraft," and Soil incorporated with ground equipment. Postemergence Chemigation, Aerial spray, Ground spray, Aircraft water application, "Soil incorporated treatment [-] Aircraft," Soil incorporated with ground equipment.)

GUIDELINE NO.: 71-2(b).
TITLE:
Beavers, J. 1984. A dietary LC_{50} study in the Mallard with Ordram© technical. Wildlife International, 301 Commerce Drive, 301 Commerce Drive, Easton, MD 21601. Project No. 144-199. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897. Registrant's code (?) on the Summary title page- T-11495, RR90-284B.

MRIDS AND DATES OF STUDIES REVIEWED: MRID 152314, June 1984.

MRIDS AND DATES OF FULLY ACCEPTABLE STUDIES:
MRID 152314, June 1984.

COMMENTS:
Technical Ordram© is 98.8% Molinate, but the LD_{50} was reported as mg/kg of Ordram©. Since the only deaths in the experimental groups were two birds in the highest concentration group, the experimentors reported an LD_{50} >5,620 ppm. They should have adjusted it to mg/kg ai, i.e., LD_{50} >5,553 ppm ai, but we shouldn't change it now.

No mortality occurred below 3169 ppm, and (based upon the change in body weights); the NOEL is 562 ppm.

The study fulfills the guideline requirements for Avian dietary toxicity. Molinate TG is characterized as "Practically nontoxic" to Mallard ducks.

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