

US EPA ARCHIVE DOCUMENT

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.:** 71-1(a).

**TITLE:**

Beavers, J.B. 1984. An acute oral toxicity study in the Mallard with Ordram<sup>©</sup> technical. Wildlife International, 301 Commerce Drive, Easton, MD 21601. Project No. 144-120. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897. Registrant's code (?) on the Summary title page T-11497, RR90-282B.

**MRIDS AND DATES OF STUDIES REVIEWED:** MRID 152313, July 1984.

**MRIDS AND DATES OF FULLY ACCEPTABLE STUDIES:**

MRID 152313, July 1984.

**COMMENTS:**

Technical Ordram<sup>©</sup> is 98.8% Molinate, but the experimentors reported the LD<sub>50</sub> as mg/kg of Ordram<sup>©</sup>. Since there were no deaths in any experimental or control replicate, they determined the LD<sub>50</sub> to be >2,250 mg/kg. They should have adjusted the LD<sub>50</sub> to mg/kg ai, i.e., LD<sub>50</sub> >2223 mg/kg ai, but no change should be made now.

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

A

1  
1