

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.:** 71-2(a).

**TITLE:**

Beavers, J. June 1984. A dietary LC<sub>50</sub> study in Bobwhite quail with Ordram<sup>©</sup> technical. Wildlife International, 301 Commerce Drive, Easton, MD 21601. Project No. 144-118. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897. Registrant's code (?) on the Summary title page- T-11496, RR90-283B.

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

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

MRID 152314, July 1984.

**COMMENTS:**

Technical Ordram<sup>©</sup> is 98.8% Molinate, but the experimentors reported the LD<sub>50</sub> in mg/kg of Ordram<sup>©</sup>. There were three deaths in the control group of forty birds, this less than the 10% mortality allowed by the protocol. Three birds in the 3160 ppm group (of ten birds) and one of the 1780 ppm group died. There were no deaths the other groups, including the highest concentration group (5620 ppm). Therefore, they determined the LD<sub>50</sub> to be >5620 ppm. They should have adjusted it to mg/kg ai, i.e., LD<sub>50</sub> >5,553 ppm, but no change should be made now.

Because of the change in body weights and feed consumption, the NOEL is >1780 ppm. The study fulfills the guideline requirements for Avian dietary toxicity. Molinate TG is characterized as "Practically nontoxic" to Bobwhite quail ducks.

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