

US EPA ARCHIVE DOCUMENT

9-2-91

**2 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 2, 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.:** 72-2(a).

**TITLE:**

Surenant, D.C. 1987. Acute toxicity of Ordram<sup>©</sup> technical to the Sheepshead minnow (*Cyprinodon variegatus*). Springborn Bionomics, Inc., 790 Main Street, Wareham, MA 02571. Laboratory Project ID- Report No. 87-7-2413, Study No. 723.0287.6106.500. Submitted by ICI Americas, Inc., Agricultural Products, Wilmington, Delaware 19897.

**MRIDS AND DATES OF STUDIES REVIEWED-** 405933-08, 1987.

**MRIDS AND DATES OF FULLY ACCEPTABLE STUDIES-** None.

**COMMENTS:**

Even though this was a static study with acetone solvent, it should have measured concentration levels because of the history of Molinate precipitating in aquatic toxicity studies (even with a solvent) and the history of the registrant not telling EPA when it precipitated. Two 48-hour and two 96-hour D.O. levels were too low and the D.O. reporting is questionable.

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