

US EPA ARCHIVE DOCUMENT

106401

9-28-76
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EEE BRANCH REVIEW

DATE: IN 7/24/76 OUT 9/28/76 IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 241-ELN

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED _____

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, (H), F, N, R, S Selective Herbicide

PRODUCT MGR. NO. Mountfort

PRODUCT NAME(S) AVENGE WILD OAD HERBICIDE

COMPANY NAME American Cyanamid Company

SUBMISSION PURPOSE Resubmission for registration - BARLEY

CHEMICAL & FORMULATION _____

AVENGE

100.0 Pesticidal Use

Avenge is a selective herbicide for postemergence control of wild oats.

100.1 Purpose of Submission -

Present basic test data requested in a previous review.

100.2 Data Submitted

(1) Aquatic Invertebrate LC₅₀ for Daphnia magna

(2) Acute Oral LD₅₀ for mallard duck

103.0 Toxicological Properties

103.1 Acute Toxicity

<u>Organism</u>	<u>Test</u>	<u>Result</u>	<u>Material</u>	<u>Reference</u>
<u>Daphnia magna</u>	LC ₅₀ (48 hr)	2.63 (2.15-3.2) ppm	Technical (100% active)	E.G. & G. Bionomics (1976)
		(24 hr) 3.48 (2.30-5.25) ppm	Acetone solvent	
		No discernable effect level 1.60 ppm		
Mallard Duck*	LD ₅₀	1577 (1130-2201) mg/kg	Technical	Truslow Farms (1976)

*Note: 14 day old birds were used in this study.

104.2 Conclusions

The Daphnia and mallard duck acute toxicity data are acceptable and may be used to support registration.

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