

US EPA ARCHIVE DOCUMENT

108501

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EEE BRANCH REVIEW

DATE: IN 8/6/76 OUT 11/2/76 IN _____ OUT _____ IN _____ OUT _____
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. _____

PETITION OR EXP. PERMIT NO. 6E1741

DATE DIV. RECEIVED _____

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

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

PRODUCT MGR. NO. Taylor (25)

PRODUCT NAME(S) PROWL

COMPANY NAME Cyanamid

SUBMISSION PURPOSE Addendum to Petition - PEANUTS

CHEMICAL & FORMULATION N(1-ethylpropyl)-2,6-dinitro 3,4-xylidine

PROWL
(American Cyanamid Company)

100.0 Pesticidal Use - Herbicide for use on peanuts.

100.3 Purpose of Submission - submission of data as an addendum to Section H of Pesticide Petition Nos. 6F1741, 5F1556 and 6F1704.

101.0 A. Chemical and Physical Properties

101.1 Chemical Name

N(1-ethylpropyl)-2,6-dinitro 3,4-xylidine.

101.2 Common Name

Prowl

103.0 Toxicological Properties

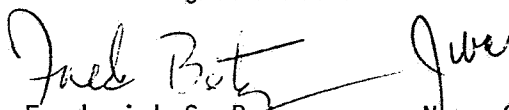
103.1 Acute Toxicity

<u>Organism</u>	<u>Test</u>	<u>Result</u>	<u>Material</u>	<u>Reference</u>
Mallard Duck	LD ₅₀	1421(938-2152 mg/kg)	Prowl (Technical)	Truslow Farms, Inc. (1976)
<u>Daphnia magna</u>	LC ₅₀	0.28(0.23-0.33 mg/l)	Prowl (Technical)	EG&G Bionomics (1976)
	no discernible	0.16 mg/l	"	"

NOTE: Mallards used in the LD₅₀ study were 14 days old and will be acceptable at this time.

104.2 Conclusions

The submitted studies (mallard duck LD₅₀ and Daphnia magna LC₅₀) are acceptable for use in support of registration as per section 3 guidelines.


Frederick S. Betz Nov. 2, 1976
Fish and Wildlife Section
Efficacy and Ecological Effects Branch