

US EPA ARCHIVE DOCUMENT

ENVIRONMENTAL SAFETY  
REVIEW SUMMARY

108501

J. W. AKERMAN (6)  
ECOLOGICAL EFFECTS BR.  
REVIEW SUMMARY

Chemical trade name Prowl  
Common name Penoxalin  
Chemical N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzamide  
Company Am. Cyanamid  
Submission TEMP PERMIT 241-EXP PETITION REGISTRATION \_\_\_\_\_  
Date submitted 4/4/75 Date received 5/6/75

Type of chemical herbicide  
Use corn

Data submitted for review

Environmental safety:

- Mammal LD50 \_\_\_\_\_
- Mammal chronic \_\_\_\_\_
- Fish \_\_\_\_\_
- Bird \_\_\_\_\_
- Shrimp, crab, oyster \_\_\_\_\_
- Other \_\_\_\_\_

Environmental chemistry (70-15)

- Fish residue \_\_\_\_\_
- Other \_\_\_\_\_

BEST AVAILABLE COPY

Chemical Prowl

Conclusions:

1. Formulation	lbs ai	total Acres	# states	test plot size (A)	method of application	rate of application
10G	100	160	11	2-5	ground	1.5-2.0 lbs ai/A
15G	106.7	160	11	2-5	ground	1.5-2.0 lbs ai/A
75WP	300	160	11	2-5	ground	1.5-2.0 lbs ai/A
4/E+fertilizer	260	130	11	2-5	ground	1.5-2.0 lbs ai/A
4E	320	160	8	2-5	aerial	1.5-2.0 lbs ai/A

- label "W1, 20, 34, 38, 99" and under General Directions an appropriate drift statement and tank mix caution appears
- permits are basically concerned with efficacy although "data will be obtained on any obvious effect on the environment under different climatic conditions."
- Ney - there is supposed to be some monitoring, the above statement is not enough

Recommendations

Route to Ney. The environmental safety review cannot be completed until the environmental chemistry review is complete. When that review is completed, return ~~the~~ permit to Environmental Safety Section for full review. 5/6/75 JFE

Ney says it is OK

NAC 5/9/75 JFE