

ENVIRONMENTAL SAFETY
REVIEW SUMMARY

108501

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

Chemical Trade Prowl

Common 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

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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 effects 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 J/E

Ney says it is OK

NAC 5/9/75 J/E