

ENVIRONMENTAL SAFETY
REVIEW SUMMARY

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5-4-74

J. W. AKERMAN
ENVIRONMENTAL EFFECTS DIV.
REVIEW SUMMARY
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Chemical trade name PROBE PLUS (PROBE + MSMA)
Common name methazole 12.38%
Chemical MSMA 27.13%

Company Velsicol

Registration TEMP PERMIT 876-EXP-4 PETITION REGISTRATION

Date submitted 3/11/74 Date received 4/5/74

Type of chemical Herbicide

Use For experimental use on seed cotton only.

Permit = 400 gallons

Data submitted for review

Environmental safety:

- Mammal LD₅₀ _____
- Mammal chronic _____
- Fish _____
- Bird _____
- Shrimp, crab, oyster _____
- Other _____

Summary of previously
submitted tox. data

Environmental chemistry (70-15)

- Fish residue _____
- Other _____

Chemical Probe Plus

Conclusions:

1. Exp. program designed to evaluate Probe Plus for control of various weed species in cotton grown for seed.
2. Data ~~is~~ available to satisfy ^{basic} fish and wildlife requirements.
3. Chronic fish not required:
 - a. Seed cotton only.
 - b. Residues ^(Probe) in aquatic envr. rapidly dissipate in water.
 - c. Residues ^(Probe) in soil do not leach; parent cpd. rapidly degraded.
 - d. Chemical ^(Probe) does not run-off to any great extent.
 - e. Chemical ^(Probe) does not inhibit growth of bacteria and fungi.
 - f. MSMA - already registered for cotton.
 - g. Ground application only.
 - h. Maximum accumulation in bluegill $\approx 30 \times$.
4. Label "May be hazardous to birds and fish. Keep out of lakes and streams."

The above statement should be deleted or revised prior

Recommendations to registration.

1. NAC permit 4/5/74 JWA
- 2.