

ENVIRONMENTAL EFFECTS REVIEW SUMMARY

013803

+

106001

J. W. ALLEN

CONFIDENTIAL

Review of Summary Report

PROBE PLUS (PROBE + MSMA)

Common methazole 12.38%

MSMA 27.13 %

Company Velsicol

TEMP PERMITS 876-EXP-4 PETITIONS REGISTRATIONS

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

Type of chemical Herbicide

Use For experimental use on seed cottons only.

Permit = 400 gallons

Data submitted for review

Environmental safety:

Mammal L.D₅₀ _____

mammal chronic _____

Fish _____

Bird

Shrimp, crab, oyster _____

Other

Summary of previously
submitted tox. data

Environmental chemistry (70-15)

Fish residue

Other _____

BEST AVAILABLE COPY

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 ~~not~~ available to satisfy ^{basic} fish and wildlife requirements.
3. Chronic fish not required:
 - a. Seed cotton only.
 - b. Residues ^(Probe) in aquatic enviro. 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. msmt - 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 to registration.

Recommendations

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