FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 241-243

PETITION OR EXP. PERMIT NO. 

DATE DIV. RECEIVED 7/28/76

DATE OF SUBMISSION 

DATE SUBMISSION ACCEPTED 

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

PRODUCT MGR. NO. 25

PRODUCT NAME(S) Prowl 

COMPANY NAME American Cyanamid Company 

SUBMISSION PURPOSE Aerial application on soybeans 

CHEMICAL & FORMULATION [N-([1-ethylpropyl]-3,4-dimethyl-2,6-dinitrobenzenamine] 43.8%
4 pounds a.i./gallon
200.0 Introduction

200.1 Uses: see attached sheets

200.2 Background information: ProM1 4E was registered as a preplant incorporated treatment for soybeans 6/9/76 by ground application. This request is to add aerial application as an alternate method of applying ProM1 4E and ProM1 4E + Sencor 50W preplant incorporated or ProM1 4E PPI and Sencor 50W PE on soybeans.

201.0 Data Summary

201.1 Abstract of test reports: Tests were conducted in Oklahoma, Missouri, Mississippi, Arkansas, Louisiana and Indiana. ProM1 alone and tank mixed with Sencor was applied by ground and aerial spray equipment. In those experiments that could be used in the evaluation, the weeds present in the plots (those listed on the label as controlled) were adequately controlled at the label recommended rates. In all the test data submitted, no phytotoxicity was noted. Incorporation was either immediately or 1 to 10 days after application. In a few of the tests where 1/4 inches or more rainfall occurred within seven days after application, the herbicides were not mechanically incorporated. The yield of the treated plots was greater than the check in all cases where the yields were reported. The method of application (ground or air) did not appear to have any effect on the weed control or yield and appeared to be equal in most tests.

201.2 Data summaries: see attached tables.

202.0 Conclusions

202.1 Claims supported by data submitted: The claims for aerial application of ProM1 4E and ProM1 4E + Sencor 50W as preplant incorporated or ProM1 4E PPI and Sencor 50W PE are supported by the data submitted.

202.2 Comments on Contents of Data submitted: Tests 75-M20K and 75-M210 could not be used in evaluating the data because each had a sequential treatment of herbicides other than recommended on the label. Tests 76-C34A and 76-C34d were of doubtful value as two cultivation had occurred before data on weed control was taken.
203.0 Recommendations

The aerial application of Prom 4E and Prom 4E + Sencor 50W preplant incorporated or Prom 4E preplant incorporated and Sencor 50W preemergence for weed control in soybeans is acceptable.

William C. LeCroy 8/20/96
Herbicide Efficacy Section, EEEB