

056002

SHAUGHNESSEY NO.

REVIEW NO.

EEB BRANCH REVIEWDATE: IN 10/27/81 OUT 1/4/82FILE OR REG. NO. 264-336

PETITION OR EXP. PERMIT NO. _____

DATE OF SUBMISSION 10/5/81DATE RECEIVED BY HED 10/26/81RD REQUESTED COMPLETION DATE 1/13/82

EEB ESTIMATED COMPLETION DATE _____

RD ACTION CODE/TYPE OF REVIEW 600/ReregistrationTYPE PRODUCT(S): I, D, H, F, N, R, S Plant Growth Regulator

DATA ACCESSION NO(S). _____

PRODUCT MANAGER NO. R. Taylor (25)PRODUCT NAME(S) Tre-Hold Sprout Inhibitor A-112COMPANY NAME The Union Carbide CompanySUBMISSION PURPOSE Submission of Data in response to previous EEB Reviews

SHAUGHNESSEY NO.

CHEMICAL, & FORMULATION

X A.I.

056002Naphthalene Acetic Acid

2003814

Pesticide Name Naphthaleneacetic Acid

100 Purpose of Submission

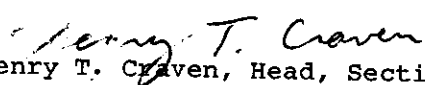
Submission of three aquatic toxicity studies (basic) using technical NAA. The acute studies include a 96-hour rainbow trout test, a 96-hour bluegill sunfish test, and a 48-hour Daphnia test.

101-104 Refer to EEB file and NAA Registration Standard.

107 Conclusions

The three studies submitted [accession number 246079] were required by EEB in a previous review (Yamure, 3/17/80) and in the registration standard for NAA. The three studies submitted were found to be invalid, and thus do not fulfill the requirements previously indicated. In each study, undissolved chemical was noted and, therefore, any conclusions unsupported. The studies should be repeated using a different solvent or method to insure maximum dissolution of the test material. The solubility of NAA in water is reported to exceed 300 ppm, and test media with concentrations less than 300 ppm should not contain visibly undissolved chemical. At a minimum, analysis of the test media is required to indicate the actual concentrations of dissolved chemical in exposure vessels.

 1/6/82
Leslie Touart, Fisheries Biologist, Section 4

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Henry T. Craven, Head, Section 4

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Clayton Bushong, Chief, Ecological Effects Branch