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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 13 1989

MEMORANDUM

SEP 1 1989

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Review of Freshwater Fish Toxicity and  
Pathogenicity Test for Conditional  
Registration of Dagger G Biofungicide

FROM: Zig Vaituzis, Microbiologist  
Ecological Effects Branch (H7507-C)  
Environmental Fate and Effects Division

*Zig Vaituzis* 9/13/89

THRU: Raymond W. Matheny, Head Section 1  
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*Raymond W. Matheny* 9/13/89

*for* James W. Akerman, Chief  
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TO: Susan Lewis (PM-21)  
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Registration Division (H7505-C)

The Ecological Effects Branch has received and reviewed the Freshwater Fish Toxicity and Pathogenicity Study submitted by Ecogen, Inc. as required by the conditional registration of Dagger G Biofungicide (Pseudomonas fluorescens). The following study is being included in the branch file on Dagger G:

Bretler, R.J. 1989. The Potential Infectivity and Pathogenicity of Pseudomonas fluorescens to Lepomis macrochirus Under Satic Renewal Conditions. Study conducted by Springborn Life Sciences, Inc., Wareham, MA. Report No. 89-2-2942. Submitted by Ecogen, Inc., Langhorne, PA. MRID No. 410843-01.

This study is scientifically sound and fulfills the guideline requirements for a toxicity/pathogenicity study using freshwater fish. The results of the study show that commercial use of Dagger G is not expected to produce any adverse effects on freshwater fish.