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SHAUGHNESSEY NO.

REVIEW NO.

EEB REVIEW

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TYPE PRODUCT(S) : I, D, H, F, N, R, S ~~Synthetic Pyrethroid~~

DATA ACCESSION NO(S):

PRODUCT MANAGER NO. G. LaRocca (75)

PRODUCT NAME(S) ASANA/Pydrin

COMPANY NAME DuPont

SUBMISSION PURPOSE Submission of progress report on mesocoson study

SHAUGHNESSEY NO.	CHEMICAL & FORMULATION	A.I.

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

June 22, 1989

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Mesocosm Study, Quarterly Report

FROM: Miachel Rexrode, Fisheries Biologist
Ecological Effects Branch
Environmental Fate and Effects Division (H-7507C)

THRU: Jim Akerman, Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7505C)

TO: George LaRocca, Product Manager
Insecticide-Rodenticide Branch
Registration Division (H7505C)

The Ecological Effects Branch (EEB) has received and read the quarterly progress report on the fenvalerate mesocosm study. The report states that the twelve experimental ponds were drained between February and March, 1989. All of the fish were collected, and measures of productivity (total weight, total numbers, and condition) were reported. Also included are data from pre-treatment, during treatment, and post-treatment evaluations of macroinvertebrates, plankton, and water quality parameters.

EEB realizes that all of the data are not yet available, however, for clarification and assistance in evaluating the final report, the Agency must have the following information:

1) All data should be on Lotus 1-2-3 or a file can be imported onto Lotus 1-2-3.

2) Data on Table 11 and 12 only show total macroinvertebrates sampled per pond. EEB wants a breakdown of macroinvertebrate and zooplankton by genus and, if possible, species. Algae (Table 12) should be evaluated according to phylum.

3) Fish data must include size class information that encompasses 1) number, 2) weight, and 3) proportion. A presentation of weight/length relationship per size class is also important for evaluating effects.

4) Fish condition should be the relative condition factor.

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