DATE OF SUBMISSION ________________ 1-17-92
DATE RECEIVED BY EFED ________________ 1-23-92
SRRD/RD REQUESTED COMPLETION DATE ________________ 2-17-92
EEB ESTIMATED COMPLETION DATE ________________ 2-17-92
SRRD/RD ACTION CODE/TYOE OF REVIEW ________________ 405 ADVERSE EFF. DAT
MRID #(S) ________________ 421702-01 SUPPLEMENTAL DATA FOR PREVIOUSLY REVIEWED STUDY (MRID # 41798301)

DP TYPE 001

PRODUCT MANAGER, NO. ________________ GEORGE LAROCCA 13 ADAM HEYWARD

PRODUCT NAME(S) ________________ FENVALERATE

TYPE PRODUCT ________________

COMPANY NAME ________________ DUPONT

SUBMISSION PURPOSE CONSIDER SUPPLEMENTAL INFORMATION PROVIDED IN RESPONSE TO PREVIOUS DATA REVIEW ________________

COMMON CHEMICAL NAME ________________

REVIEWER: ________________ MIKE REXRODE
MEMORANDUM

SUBJECT: 6(a)(2) Response; Daphnia magna Acute Study

FROM: Doug Urban, Acting Chief
Ecological Effects Branch
Environmental Fate and Effects Division

TO: George LaRocca, PM-13
Registration Division

The registrant, DuPont, has made a submission under FIFRA Section 6(a)(2) in reference to an incomplete acute Daphnia magna toxicity study on ASANA (esfenvalerate). The study (MRID: 41798301) was reviewed by EEB and was found to be invalid due to analytical problems noted from an interfering chromatographic peak (described as a "contaminant" in the original study).

The registrant has acknowledged that the validity of this experiment was compromised by the following problems: racemization of the active ingredient, low analytical recoveries from spiked samples, and an interfering peak in the analysis of the test samples. As a result of these problems, the mean measured test concentrations are questionable and do not accurately depict exposure of toxicant to the test organisms. Therefore, in order to better assess the toxicity of ASANA to Daphnia magna, DuPont has agreed to repeat the study (Miachel Rexrode, 305-5578).