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

MEMORANDUM (DP 190495, EFGWB #93-0635)

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

SUBJECT: "NTN 33893" (Insecticide) - NEW CHEMICAL
Supplemental Data Review

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TO: Dennis Edwards
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The supplemental environmental fate and modeling data (MRID #42734101, #42734103, and #42734102) submitted to the environmental fate and ground water branch for NTN 33893 (Imidacloprid) have been screened. The supplemental data supports the EFGWB's concern about the persistency of NTN 33893 (Imidacloprid) which was the reason for imposing the long term terrestrial field dissipation (164-5) study in a past review. The data reviewed were not guideline requirements and may be used as supplemental data to the imidacloprid data base currently in the branch.

The terrestrial field dissipation half-life periods of imidacloprid in study MRID #42734101 were (calculated first order) of 79, 140, 160, 180, and 196 days. There were no detections of NTN residues below 10 cm. The supplemental German modeling report (PELMO; Pesticide Leaching Model; MRID #42734102) was deferred to the ground water section. The supplemental environmental fate data (MRID #42734103) is a summary of guideline studies that have been previously reviewed by the EFGWB and were used in formulating the environmental fate assessment of imidacloprid.

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