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

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MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Review of Phytotoxicity Data for Metalaxyl

TO: Henry M. Jacoby, PM 21  
Registration Division (TS-767C)

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EEB has completed a review of two metalaxyl studies prepared by Malcolm Pirnie, Inc. submitted by Ciba-Geigy Corporation under Accession No. 257626. The following is a brief summary of the results.

1. The Toxicity of CGA-48988 Lot No. FL-841922 to Lemna gibba G3 (Duckweed).

The study is scientifically sound and fulfills the Guideline requirement for the aquatic plant nontarget phytotoxicity test - Lemna gibba.

Metalaxyl with an EC<sub>50</sub> of 85 to 92 mg/l (dry wt and frond count) is not expected to exert a detrimental effect on Lemna gibba at current application rates.

2. The Toxicity of CGA-48988 Lot No. FL-841972 to Selenastrum capricornutum.

The study is scientifically sound and fulfills the Guideline requirement for the aquatic plant nontarget phytotoxicity test - freshwater green alga.

Metalaxyl with an EC<sub>50</sub> (cells/ml) of 140 mg/l is not expected to exert a detrimental effect on the alga Selenastrum capricornutum at current application rates.

*Charles Lewis*

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