EEB BRANCH REVIEW

DATE: IN 4-26-85 OUT JUN 20 1985

FILE OR REG. NO. 100-601

PETITION OR EXP. PERMIT NO.

DATE OF SUBMISSION 4-10-85

DATE RECEIVED BY HED 4-25-85

RD REQUESTED COMPLETION DATE 6-24-85

EEB ESTIMATED COMPLETION DATE 6-17-85

RD ACTION CODE/TYPE OF REVIEW 615/Reg. Std.

TYPE PRODUCT(S): I, D, H, F, N, R, S Fungicide

DATA ACCESSION NO(S).

PRODUCT MANAGER NO. R. Jacoby (21)

PRODUCT NAME(S) Metaxayl Products

COMPANY NAME CIBA - GEIGY Corporation

SUBMISSION PURPOSE Submission of data for aquatic macrophytes and algae

SHAUGHNESSY NO. CHEMICAL & FORMULATION % A.I.


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MEMORANDUM

SUBJECT: Review of Phytotoxicity Data for Metalaxyl

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

THRU: Dave Coppage
   Head, Section 3
   Ecological Effects Branch (TS-768C)

THRU: Michael W. Slimak, Chief
   Ecological Effects Branch
   Hazard Evaluation Division (TS-769C)

EEB has completed a review of two Metalaxyl studies prepared by Malcom 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 EC50 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 EC₅₀ (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, Agronomist
Ecological Effects Branch
Hazard Evaluation Division (TS 769C)