

113501  
SHAUGHNESSY NO.

36  
REVIEW NO.

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

JUN 20 1985

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Review of Phytotoxicity Data for Metalaxyl

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

THRU: Dave Coppage *DC*  
Head, Section 3  
Ecological Effects Branch (TS-769C)

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

EEB has completed a review of two metalaxyl studies prepared by Malcolum 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*

Charles Lewis, Agronomist  
Ecological Effects Branch  
Hazard Evaluation Division (TS 769C)