US EPA ARCHIVE DOCUMENT

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(11)

# EEE BRANCH REVIEW

DATE: IN 7/20/78 OUT 7/25/78 IN _____ OUT _____ IN _____ OUT _____

FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 100-Lot

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 7/11/78

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCTS(S): I, D, H, F, N, R, S _____

DATA ACCESSION NO(S). 234396

PRODUCT MGR. NO. Jacoby

PRODUCT NAME(S) Dual 8E

COMPANY NAME Ciba-Geigy

SUBMISSION PURPOSE Data Review

CHEMICAL & FORMULATION Metolachlor (CGA-24705)

## Dual 8E - Data Review

One Mallard acute study and two fish (Rainbow Trout and Bluegill Sunfish) acute studies were submitted for review. The Mallard study (project #108-117) is a resubmission with a change in the statistical analysis.

The following evaluations were made:

(1) The Rainbow Trout 96-hr $LC_{50}$ study is considered core and can be used to support registration (Report No. BW-78-6-186).

(2) The Bluegill Sunfish 96-hr $LC_{50}$ study is considered core and can be used to support registration (Report No. BW-78-6-181).

(3) The Mallard Duck oral acute study is considered supplemental and cannot be used to support registration. The report did not indicate that the birds were fasted prior to testing. If the experimenter did fast the birds as required and so indicates to the Environmental Safety Section the study can be upgraded to core status.

A review of Environmental Safety records indicates that for this formulation (Dual 8E) the following studies are required on metolachlor technical prior to registration:

(1) Avian acute oral $LD_{50}$ (see above).

(2) Chronic fish study (life-cycle) for one species.

(3) Chronic avian studies for Mallard duck and Bobwhite quail.

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