DP BARCODE : D175390

PC Code No.: 80807

Date Out of EFGWB: APR 6 1992

TO: Walter Waldrop/Venus Eagle
Product Manager #71
Registration Division (H7508W)

FROM: Akiva D. Abramovitch, Ph.D., Section Head
Environmental Chemistry Review Section #3
Environmental Fate and Ground Water Branch, EFED (H7507C)

THRU: Henry M. Jacoby, Chief
Environmental Fate and Ground Water Branch/EFED (H7507C)

Attached, please find the EFGWB review of:

Reg./File #: Not Given

Common Name: SIMAZINE

Chemical Name: 2-Chloro-4,6-bis(ethylamino)-s-triazine

Type product: Herbicide

Product Name: Several

Company Name: Ciba-Geigy Agricultural Division

Purpose: Review of proposed protocol for Photodegradation on Soil (161-3) study. Update of status of data requirements. Response to Waiver Requests: 162-4 and 164-2 data requirements

Action Code: 635 EFGWB #: 92-0589 Total Reviewing Time: 0.5 days

EFGWB Guideline/MRID Summary Table: The review in this package contains: NO STUDIES WERE SUBMITTED

161-1	162-1	164-1	165-1	166-1
161-2	162-2	164-2	165-2	166-2
161-3 PROTOCOL (No MRID #)	162-3	164-3	165-3	166-3
161-4	162-4	164-4	165-4	167-2
201-1	163-1	164-5	165-5	167-3
202-1	163-2/-3			

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

MEMORANDUM

SUBJECT: Simazine- Review of Protocol for Photodegradation on Soil (161-3) Study
PC #80807
DP BARCODE: D175390
EFGWB #92-0589

FROM: Silvia C. Termes, Chemist
Chemical Review Section #3
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

TO: Walter Waldrop/Venus Eagle
Product Manager #71
REregistration Branch, SRRD (H7508W)

THRU: Akiva D. Abramovitch, Ph.D., Section Head
Review Section #3
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

Henry M. Jacoby, Chief
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

The Branch has reviewed the proposed protocol and found it acceptable. Therefore, Ciba-Geigy can proceed with this study as planned. However, EFGWB recommends that, if available, the following be incorporated among the other soil properties to be reported:

a. GREAT GROUP
b. SOIL SERIES NAME(S)
c. HYDROLOGIC GROUP
d. PERCENT MOISTURE (15 BAR)

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The waiver request for the Aerobic Aquatic Metabolism (162-4) data requirement (based on withdrawn aquatic uses) cannot be granted because simazine has been found in surface waters and the data is needed to assess its persistence under aerobic aquatic conditions. Although the aquatic uses have been withdrawn, simazine (like atrazine) has the potential to enter surface waters from terrestrial uses.

The waiver request for the Aquatic (sediment) Field Dissipation (164-2) data requirement may be granted because direct applications of simazine (as required by aquatic uses) have been withdrawn. The aquatic field dissipation study requires that the pesticide be applied directly to the field.

SIMAZINE

REQUIREMENTS FOR WHICH ADEQUATE DATA HAS NOT BEEN SUBMITTED TO THE AGENCY

161-2	Photodegradation in Water-	The registrant has committed to conduct and submit a new study. Registrant's proposed date for submission of final report: 12/17/92.
162-3	Photodegradation on Soil-	Protocol submitted and approved by EFGWB, 3/92.
162-1	Aerobic Soil Metabolism-	New studies will be submitted; Interim report, 9/17/92; Final report, 9/17/93.
162-4	Aerobic Aquatic Metabolism-	Waiver request based on the cancellation of aquatic uses of simazine in response to the DCI. Other cancelled uses are: sugarcane, asparagus, artichokes and IWC uses at rates $\geq$ 10 lbs/A. EFGWB is denying this waiver request for the following reasons: a. Simazine has been found in surface waters. b. Although some of the simazine found in surface waters may be associated with earlier aquatic uses, the similarities of simazine and atrazine (which has been found extensively in surface waters from its terrestrial uses) does not preclude that simazine could enter surface waters from any of its other terrestrial uses.
163-1	Mobility in Soil-	Presumably additional information on the soils used in the batch-equilibrium adsorption/desorption studies conducted with parent atrazine and three degradates will be submitted by the registrant on 9/17/92. Refer to EFGWB review 7/19/90.
164-1 166-1	Terrestrial Field Dissipation- Ground water monitoring (small scale)	The use of ground water monitoring studies to supplement existing field dissipation data will be discussed in the 4/7/92 meeting with the registrant.

164-2	Aquatic Field Dissipation-	The registrant has requested a waiver for this requirement based on the cancellation of aquatic uses. This request may be granted since the study requires a direct application of the pesticide to the aquatic field. Note that because of the possible introduction of simazine into aquatic environments from terrestrial uses, EFGWB is not waiving the 162-4 data requirement.
201-1/ 202-1	Spray Drift Studies-	The registrant has indicated that they will rely on the results of the Spray Drift Task Force (of which they are participants). To be discussed in the 4/7/92 meeting.

NOTE: Because of the detections of simazine in surface waters, monitoring and/or run-off studies may be required.

Simazine RIN: 11646-93

Page_____ is not included in this copy.

Pages 6 through 23 are not included.

The material not included contains the following type of information:

____ Identity of product inert ingredients.

____ Identity of product impurities.

____ Description of the product manufacturing process.

____ Description of quality control procedures.

____ Identity of the source of product ingredients.

____ Sales or other commercial/financial information.

____ A draft product label.

____ The product confidential statement of formula.

____ Information about a pending registration action.

✓ FIFRA registration data.

____ The document is a duplicate of page(s) _____.

____ The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.