

US EPA ARCHIVE DOCUMENT

DP BARCODE : D175390

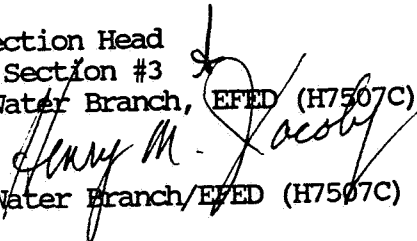
PC Code No.: 80807

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      162-3                      164-3                      165-3                      166-3  
(No MRID #)

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)

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 Terrestrial Field Dissipation- 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.
- 166-1 Ground water monitoring (small scale)

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/ Spray Drift Studies-  
202-1

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.

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Simazine

RIN: 1646-93

Page \_\_\_\_\_ is not included in this copy.

Pages 6 through 23 are not included.

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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.

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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.

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