

US EPA ARCHIVE DOCUMENT

DP Barcode : 181920  
 PC Code No. : 080807  
 EFGWB Out :

3/15/93

TO: Joanne Miller  
 Product Manager # 23  
 Special Review and Reregistration Division (H7508W)

FROM: Elizabeth Behl, Head  
 Ground Water Technology Section  
 Environmental Fate & Ground Water Branch/EFED (H7507C)

*E. Behl*

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

*H. Jacoby*

Attached, please find the EFGWB review of...

Reg./File # : ID #: 000100-00541

Common Name : SIMAZINE

Product Name : CEKUSIMA (Cequisa)

Company Name : Ciba-Geigy Corp.

Purpose : 6(a)2 Action - 21 ppb found in groundwater near Avon Park, Florida.  
 Remediation required by registrants and State.

Type Product : Herbicide

Action Code : 406 EFGWB #(s): 6(a)2 92-1328 Total Review Time = 2 days

EFGWB Guideline/MRID/Status Summary Table: The review in this package contains...

161-1	162-4	164-4	166-1
161-2	163-1	164-5	166-2
161-3	163-2	165-1	166-3
161-4	163-3	165-2	167-1
162-1	164-1	165-3	167-2
162-2	164-2	165-4	201-1
162-3	164-3	165-5	202-1

Y = Acceptable (Study satisfied the Guideline)/Concur P = Partial (Study partially satisfied the Guideline, but additional information is still needed)  
 S = Supplemental (Study provided useful information, but Guideline was not satisfied) N = Unacceptable (Study was rejected)/Non-Concur

P BARCODE: D181920

CASE: 031532  
SUBMISSION: S424204

DATA PACKAGE RECORD  
BEAN SHEET

DATE: 03/15/93  
Page 1 of 1

\*\*\* CASE/SUBMISSION INFORMATION \*\*\*

CASE TYPE: REGISTRATION ACTION: 406 RESUBMISSION 97.0000%  
CHEMICALS: 080807 Simazine (ANSI)

ID#: 000100-00541 TECHNICAL SIMAZINE  
COMPANY: 000100 CIBA-GEIGY CORP.  
PRODUCT MANAGER: 23 JOANNE MILLER 703-305-7830 ROOM: CM2 237  
PM TEAM REVIEWER: DANIEL KENNY 703-305-5611 ROOM: CM2 263  
RECEIVED DATE: 08/14/92 DUE OUT DATE: 10/23/92

\*\*\* DATA PACKAGE INFORMATION \*\*\*

DP BARCODE: 181920 EXPEDITE: N DATE SENT: 08/25/92 DATE RET.: / /  
CHEMICAL: 080807 Simazine (ANSI)  
DP TYPE: 001 Submission Related Data Package  
ADMIN DUE DATE: 09/19/92 CSF: N LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	09/03/92	/ /
BRAN: EFGB	09/03/92	/ /
SECT: GTS	09/04/92	03/15/93
REVR : JJORDAN	09/04/92	03/15/93
CONTR:	/ /	/ /

\*\*\* DATA REVIEW INSTRUCTIONS \*\*\*

This letter is sent in connection with a previous 6(a)(2) submission. Simazine was found in a private well in Florida. The company notified us, and we responded by asking them to fill out a worksheet to give us greater information. This letter is their response, and they conclude that it is impossible to fill out since they have no additional information. I have routed their letter for your review. Please advise us as to your comments. Thanks.

-Dan Kenny 305-6217

\*\*\* ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION \*\*\*

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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# CIBA-GEIGY

Agricultural Division  
CIBA-GEIGY Corporation  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300  
Telephone 919 632 6000

Certified Mail

August 10, 1992

Document Processing Desk [6(a)(2)]  
Office of Pesticide programs (H7504C)  
U.S. Environmental Protection Agency  
401 M. Street, S.W.  
Washington, D.C. 20460

Attn: Ms. JoAnne Miller, PM 23

Dear Ms. Miller:

SUBJECT: YOUR LETTER OF JUNE 19, 1992  
SIMAZINE - AVON PARK, FLORIDA  
CIBA-GEIGY RESPONSE

CIBA-GEIGY is unable to complete the 6(a)(2) data worksheet included with the subject letter because we have no additional information, other than that our confirmation showed 21 ppb in the well under investigation. CIBA-GEIGY has offered to assist the state in remediation efforts, but to date the state has not responded to our offer. Please refer to our earlier submission of February 28, 1992 filed under EPA MRID No. 42228101. CIBA-GEIGY suggests that if the Agency wishes further information, they contact Mr. David Vogel of the Florida Department of Environmental regulation at the address given in our earlier correspondence.

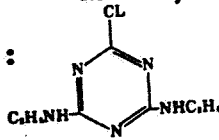
Sincerely,

*Karen S. Stumpf*  
Karen S. Stumpf  
Senior Regulatory Manager  
Regulatory Affairs

1. CHEMICAL: Common name(s): simazine

Chemical name(s): 2-chloro-4-(ethylamino)-6-(isopropyl amino)-s-triazine

Structure (s):



2. TEST MATERIAL: N/A

3. STUDY/ACTION TYPE: 6(a)2 follow up Action - Simazine detection in Avon Park, Florida ground-water.

4. STUDY IDENTIFICATION: Letter from Karen Stumpf to Joanne Miller of 8-10-92 Re: Ciba-Geigy response to OPP for more information on simazine detections near Avon Park, Florida.

5. REVIEWED BY: John H. Jordan, Ph.D.  
OPP/EFED/EFGWB/Ground-Water Section  
Signature: John H. Jordan

Date: 3/15/93

6. APPROVED BY: Elizabeth Behl, Head  
OPP/EFED/EFGWB/Ground-Water Section  
Signature: E. Behl

Date: 3/15/93

7. CONCLUSIONS: Ciba Geigy and the State of Florida detected simazine levels above the MCL of 4 ppb in private wells near Avon Park and other areas adjacent to orange groves in Florida. There have been several detections above the MCL which ranged from 6 to 21 ppb.

8. RECOMMENDATIONS:

Ciba-Geigy should continue to inform EFGW Branch if residues persist or increase in these areas. The DER and Department of Agriculture should continue to report levels of simazine and other pesticide residues in drinking water wells. Results from the 6(a)2 reports will be included in OPP's Pesticides in Ground-Water Data Base.

9. BACKGROUND/DISCUSSIONS:

Ciba Geigy in their letter of January 3, 1992 reported simazine at the 11.6 ppb level in ground water near Avon Park, Florida. The State of Florida reported 11.6 ppb simazine to Ciba Geigy, but Ciba Geigy confirmed the presence of 21 ppb simazine at the Avon Park location. There have been other reports of contamination of private wells near orange groves. Residue levels in drinking water have been reduced to approximately 1 ppb by carbon filtration.

The registrant had previously notified EFGW Branch of simazine detection (6.1 ppb) in a private well near Lake Placid, Florida. Carbon filtration was used to reduce the exposure to residues in wells adjacent to orange groves to <1 ppb. David Vogel of the FDER reported that there have been similar cases of pesticide residues in private drinking water wells near orange groves in this area and others. FDER has agreed to send periodic reports of residue levels from monitoring studies to OPP. The information will be included in the Pesticides in Ground Water Data Base.

The data in this action were submitted under Section 6(a)2 of FIFRA. The report of detections contained results of simazine in samples of well water. The level reported for simazine was above the maximum contaminant level (MCL=4 ppb) which may result in unreasonable adverse effects. No reports of simazine degradates were included and it is not clear if well water is being analyzed for degradates.

The number of private wells with contaminants and the residue levels have been requested from the FDER but no response has been received to date. We are assuming that treatment of orange groves with simazine and other pesticides has been the source of the ground-water residues. Specific well locations and residue concentrations are needed for the Pesticides in Ground Water Data Base.