

DP Barcode : 176106
PC Code No. : 080803
EFGWB Out :

MAY 27 1992

TO: Robert Taylor
Product Manager #25
Special Review and Reregistration Division (H7508W)

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

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

Attached, please find the EFGWB review of...

Reg./File # : I.D. #000100-00521

Common Name : Atrazine

Product Name : Aatrex

Company Name : Giba-Geigy Corp.

Purpose : To obtain additional pesticide residue data from the
Ohio Dept. of Public Health

Type Product : Herbicide

Action Code : 406 EFGWB #(s): 92-0680 Total Review Time = 1/4 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

DP BARCODE: D176106

CASE: 032501
SUBMISSION: S414700

DATA PACKAGE RECORD
BEAN SHEET

DATE: 03/25/92
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: REGISTRATION ACTION: 406 RESUBMISSION
CHEMICALS: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylami 80.0000%

ID#: 000100-00521 ATRAZINE MG80 FOR MANUFACTURING USE ONLY
COMPANY: 000100 CIBA-GEIGY CORP.
PRODUCT MANAGER: 25 ROBERT TAYLOR 703-305-6800 ROOM: CM2 241
PM TEAM REVIEWER: JAMES MORRILL 703-305-5705 ROOM: CM2 251
RECEIVED DATE: 02/27/92 DUE OUT DATE: 05/07/92

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 176106 EXPEDITE: N DATE SENT: 03/25/92 DATE RET.: / /
CHEMICAL: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylamino)-s-tri
DP TYPE: 001 Submission Related Data Package
ADMIN DUE DATE: 04/19/92 CSF: N LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	03/16/92	/ /
BRAN: EFGB	/ /	/ /
SECT: GTS	/ /	/ /
REVR :	/ /	/ /
CONTR:	/ /	/ /

* * * DATA REVIEW INSTRUCTIONS * * *

ATT: GTS

Please review information submitted in response to your
review dated November 20, 1992

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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EPGWB #-92-0680

6 (a)(2)

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

CIBA-GEIGY

422289-Ø /

Certified Mail

February 20, 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: Mr. Robert J. Taylor, PM 25

Dear Mr. Taylor:

SUBJECT: CIBA-GEIGY RESPONSE TO YOUR LETTER OF
DECEMBER 3, 1991
REQUEST FOR ADDITIONAL INFORMATION ON FINDINGS OF
ATRAZINE AND SIMAZINE IN GROUNDWATER (SEBRING, FL;
WOOD COUNTY, OH)

In accordance with the subject letter and accompanying EF&GWB review, attached is additional information pertaining to the findings of simazine and atrazine in groundwater as described in correspondence to you dated August 20, 1991.

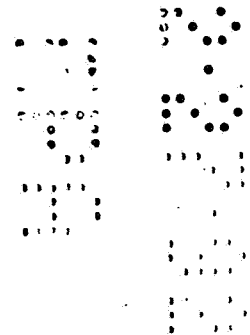
Please note that the request for the names and detection levels of the chemicals manufactured by other registrants is not addressed. CIBA-GEIGY believes that FIFRA Section 6(a)(2) is clear that CIBA-GEIGY as a registrant of pesticides is responsible for reporting only those findings of CIBA-GEIGY chemicals which may pose an unreasonable adverse effect and therefore is under no legal obligation to report findings of other manufacturers' chemicals. Until such time as the Agency challenges CIBA-GEIGY on this point or CIBA-GEIGY alters its position, we will continue to report only those findings of CIBA-GEIGY pesticides in ground or surface water.

Sincerely,

Karen S. Stumpf

Karen S. Stumpf
Senior Regulatory Manager
Regulatory Affairs

Attachments (2)



Reference: Atrazine and metolachlor
Location: Wood Co., OH

Reason for investigation: No investigation; we split water samples only

Well locations: On site

Pesticide use history: Unknown

Number of wells investigated: 1

Number of wells with detects: 1

Depth of water table: No direct knowledge

Depth of well: No direct knowledge

Ground water flow direction: Unknown

Past spill or disposal: Unknown

Well construction: Unknown

Water use: Non-potable; mixing/loading

Comments: We split water samples from this site at the request of the site owner. It is my understanding that the Ohio Dept. of Health is the lead agency at this site, but the status of their investigation or remediation, if any, is unknown by Ciba Geigy.

9 3
5 3
3 3
3 3
3 3

Reference: Simazine
Location: Sebring, FL (Highland Co.)

Reason for investigation: No investigation conducted; we split water samples at the site.

Well locations: On the site

Pesticide use history: None; site is a private business

Number of wells investigated: 2

Number of wells with detects: 2

Depth of water table: No direct knowledge; generally less than 25' in the area.

Depth of well: Owner assumed 100-150'

Ground water flow direction: Visual inspection would seem to indicate an easterly flow.

Past spill or disposal: None

Well construction: No direct knowledge; owner assumed hand driven

Water use: No direct knowledge

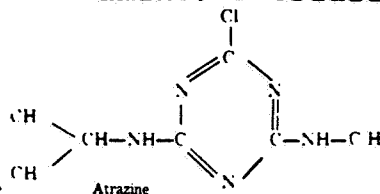
Comments: Ciba Geigy was involved at this site to split water samples only. We have since learned that these wells were hooked up to filters and the finished water is clear of contaminants.

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1. CHEMICAL: Common name: atrazine

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

Structure:



2. TEST MATERIAL: N/A

3. STUDY/ACTION TYPE: Acknowledge receipt of pesticide residue detections in wells and request additional information.

4. STUDY IDENTIFICATION: A documentation of detections from monitoring wells.

5. REVIEWED BY: John H. Jordan, Microbiologist
OPP/EFED/EFGBW/Ground-Water Section
Signature: John H. Jordan

Date: 5/22/92

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

Date: 5/26/92

7. CONCLUSIONS: The pesticide residue detections have been received by the Ground-Water Technology Section. More detailed information is required as specified in the attached form.

8. RECOMMENDATIONS: The registrant should complete the attached 6(a)2 data work sheet and submit the information to the Agency.

9. BACKGROUND/DISCUSSIONS: The data in this action were submitted under Section 6(a)2 of FIFRA. The report of detections contained results of analyses of a pesticide and/or a degradate detected in a sample of ground water. The level of detections reported were above the maximum contaminant levels (MCL) which may result in unreasonable adverse effects.

Additional specific information is required to locate/identify and evaluate the reported detections of pesticide residues in ground water. The information requested on the attached 6(a)2 data work sheet will, in most cases, be adequate to meet the requirement. If a monitoring program is of fairly short duration, e.g., one year, a final report of detections is sufficient. An annual report of detections is required if a monitoring program is long-term, e.g., from 2 - 10 years or longer.

2.

The reports should be accompanied by computerized raw data submitted on disks. Disks must be IBM compatible and the software and/or file format must be identified. The computer disks must be accompanied by a description of rows (records) and columns (fields). These monitoring results will be included in OPP's Pesticides in Ground-Water Data Base.

ENVIRONMENTAL FATE DATA EXTRACTION SHEET
GROUND WATER MONITORING STUDY - STUDY IDENTIFICATION

INSTRUCTIONS: Complete one study identification sheet for each ground water study location.

STUDY TITLE: _____
CONTACT PERSON: _____ TELEPHONE: _____
STUDY SPONSOR: _____
GUIDELINE NUMBER: _____
MRID: _____
CAS#: _____
PC-CODE: _____
CHEMICAL NAME: _____

LOCATION: COUNTRY _____ COUNTY _____ STATE _____

PESTICIDE APPLICATION

AMOUNT APPLIED _____ lbs-ai/acre
MEASURED CONCENTRATION _____ mg/g
MAXIMUM ALLOWED _____
NO. APPLICATIONS _____
INTERVAL _____
METHOD OF APPLICATION _____
FORMULATION _____
DATE OF LAST APPLICATION _____
YEARS OF USE _____
APPLICATION SITE _____ (bare ground, crop type)

STUDY CONDITIONS

CUMULATIVE RAIN FALL _____ in
MAXIMUM RAIN FALL _____ in
MAXIMUM RAIN FALL DATE _____
CUMULATIVE IRRIGATION _____ in
HIGH TEMPERATURE _____
LOW TEMPERATURE _____
BEGINNING DATE _____
ENDING DATE _____
EVAPOTRANSPIRATION _____ in

LIMIT OF DETECTION _____

METHOD OF ANALYSIS _____

COMMENTS _____

GROUND WATER STUDY SUMMARY

	YES/NO
MOBILITY TRIGGER MET?	_____
PERSISTENCE TRIGGER MET?	_____
FIELD MONITORING TRIGGER MET?	_____
ARE THERE PARENT DETECTS?	_____
ARE THERE DEGRADATE DETECTS?	_____
ARE DEGRADATE ANALYSES PERFORMED?	_____

ENVIRONMENTAL FATE DATA EXTRACTION SHEET
GROUND WATER MONITORING STUDY - SOIL PROPERTIES

INSTRUCTIONS: Provide soils information for each ground water study location.

MRID

LOCATION: COUNTRY COUNTY STATE

SOIL PROPERTIES

SERIES

HYDROLOGIC GROUP		pH	
MINERALOGY		CEC (meq/100g)	
USDA TEXTURE		PCT ORGANIC MATTER	
TEXTURE (%)	SAND	PCT ORGANIC CARBON	
	SILT	PCT MOISTURE @15BAR	
	CLAY	PCT MOISTURE @0.3BAR	
HYDRAULIC CONDUCTIVITY		BULK DENSITY (g/cm ³)	
		PORE VOLUME (%)	

LOCATION: COUNTRY COUNTY STATE

SOIL PROPERTIES

SERIES

HYDROLOGIC GROUP		pH	
MINERALOGY		CEC (meq/100g)	
USDA TEXTURE		PCT ORGANIC MATTER	
TEXTURE (%)	SAND	PCT ORGANIC CARBON	
	SILT	PCT MOISTURE @15BAR	
	CLAY	PCT MOISTURE @0.3BAR	
HYDRAULIC CONDUCTIVITY		BULK DENSITY (g/cm ³)	
		PORE VOLUME (%)	

LOCATION: COUNTRY COUNTY STATE

SOIL PROPERTIES

SERIES

HYDROLOGIC GROUP		pH	
MINERALOGY		CEC (meq/100g)	
USDA TEXTURE		PCT ORGANIC MATTER	
TEXTURE (%)	SAND	PCT ORGANIC CARBON	
	SILT	PCT MOISTURE @15BAR	
	CLAY	PCT MOISTURE @0.3BAR	
HYDRAULIC CONDUCTIVITY		BULK DENSITY (g/cm ³)	
		PORE VOLUME (%)	

ENVIRONMENTAL FATE DATA EXTRACTION SHEET
GROUND WATER STUDIES - WELL DESCRIPTION

INSTRUCTIONS: Complete information for each well in the ground water study. Well data can be entered electronically.

MRID [REDACTED]

WELL NUMBER: [REDACTED]

WELL USE: [REDACTED]

WELL DEPTH

WELL [REDACTED]
SCREEN TOP [REDACTED]
SCREEN BOTTOM [REDACTED]
ALTITUDE [REDACTED]
WATER TABLE [REDACTED]

WELL LOCATION

LATITUDE [REDACTED]
LONGITUDE [REDACTED]
CITY [REDACTED]
COUNTY [REDACTED]
STATE [REDACTED]

WELL NUMBER: [REDACTED]

WELL USE: [REDACTED]

WELL DEPTH

WELL [REDACTED]
SCREEN TOP [REDACTED]
SCREEN BOTTOM [REDACTED]
ALTITUDE [REDACTED]
WATER TABLE [REDACTED]

WELL LOCATION

LATITUDE [REDACTED]
LONGITUDE [REDACTED]
CITY [REDACTED]
COUNTY [REDACTED]
STATE [REDACTED]

WELL NUMBER: [REDACTED]

WELL USE: [REDACTED]

WELL DEPTH

WELL [REDACTED]
SCREEN TOP [REDACTED]
SCREEN BOTTOM [REDACTED]
ALTITUDE [REDACTED]
WATER TABLE [REDACTED]

WELL LOCATION

LATITUDE [REDACTED]
LONGITUDE [REDACTED]
CITY [REDACTED]
COUNTY [REDACTED]
STATE [REDACTED]

WELL NUMBER: [REDACTED]

WELL USE: [REDACTED]

WELL DEPTH

WELL [REDACTED]
SCREEN TOP [REDACTED]
SCREEN BOTTOM [REDACTED]
ALTITUDE [REDACTED]
WATER TABLE [REDACTED]

WELL LOCATION

LATITUDE [REDACTED]
LONGITUDE [REDACTED]
CITY [REDACTED]
COUNTY [REDACTED]
STATE [REDACTED]

WELL NUMBER: [REDACTED]

WELL USE: [REDACTED]

WELL DEPTH

WELL [REDACTED]
SCREEN TOP [REDACTED]
SCREEN BOTTOM [REDACTED]
ALTITUDE [REDACTED]
WATER TABLE [REDACTED]

WELL LOCATION

LATITUDE [REDACTED]
LONGITUDE [REDACTED]
CITY [REDACTED]
COUNTY [REDACTED]
STATE [REDACTED]

INSTRUCTION: Provide information for each sample taken. Sample data can be entered electronically.

CAS NUMBER

[illegible]