

DP Barcode : D175991
PC Code No. : 080803
EFGWB Out :

11/25/92

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)

Don A. Wong for EB

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

Henry Jacoby

Attached, please find the EFGWB review of...

Reg./File # : I.D. #283022

Common Name : Atrazine

Product Name : Aatrex

Company Name : Ciba-Geigy

Purpose : To obtain additional pesticide residue data from the Wisconsin Dept. of Agric., Trade & Consumer Protection.

Type Product : Herbicide

Action Code : 406 ^{6(a)2} EFGWB #(s): 92-0679 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: D175991

CASE: 283022
SUBMISSION: S414519

DATA PACKAGE RECORD
BEAN SHEET

DATE: 03/23/92
Page 1 of 1

*** CASE/SUBMISSION INFORMATION ***

CASE TYPE: MISCELLANEOUS ACTION: 406 RESUBMISSION
CHEMICALS: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylami 0.0000%

ID#: 283022
COMPANY: 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: 175991 EXPEDITE: N DATE SENT: 03/23/92 DATE RET.: / /
CHEMICAL: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylamino)-s-tri
DP TYPE: 001 Submission Related Data Package
ADMIN DUE DATE: 04/17/92 CSF: N LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	03/26/92	/ /
BRAN: EFGB	/ /	/ /
SECT: GTS	/ /	11/25/92
REVR :	/ /	/ /
CONTR:	/ /	/ /

*** DATA REVIEW INSTRUCTIONS ***

Attn: Betsy Behl:

Please review attached response to your review dated January 21, 1992. The MRID # for this submission is 422287-01

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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EFGWB# 92-0679

(Handwritten signature)

Reference: Atrazine and Metolachlor
Location: Walworth Co., WI

Reason for investigation: No investigation conducted by Ciba Geigy; we split water samples at the request of the site owner.

Well locations: No direct knowledge

Pesticide use history: No direct knowledge

Number of wells investigated: Unknown

Number of wells with detects: Unknown

Depth of water table: No direct knowledge

Depth of well: No direct knowledge

Ground water flow direction: Unknown

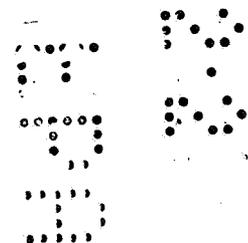
Past spill or disposal: Unknown

Well construction: No direct knowledge

Water use: Unknown

Comments: This site was included in a study conducted by the Wisconsin Departments of Agriculture, Trade & Consumer Protection (DATCP). The title of the study is the Pesticide Mixing/Loading Site Assessment Study and our samples were taken at the request of the site owner to confirm results from this study. Any questions about the site or this study should be referred to:

Mr. Paul Morrison
DATCP-ARM
PO Box 8911
Madison, WI 53708



TRANSMITTAL DOCUMENT

422287-00

NAME AND ADDRESS OF SUBMITTER

CIBA-GEIGY
PO BOX 18300
GREENSBORO, NC 27419

REGULATORY ACTION IN SUPPORT OF WHICH THIS PACKAGE IS SUBMITTED

6(a)(2) INFORMATION ON ATRAZINE

SUBMISSION DATE

2/27/92

LIST OF SUBMITTED STUDIES:

LETTER TO ROBERT TAYLOR DATED
4/22/92 2/20/92 RESPONDING TO LETTER
DATED 2/29/92 REQUESTING
ADDITIONAL INFORMATION ON
FINDINGS OF ATRAZINE IN
GROUNDWATER IN WALWORTH
COUNTY, WI.

CIBA-GEIGY

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

422287- 01

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
JANUARY 29, 1992
REQUEST FOR ADDITIONAL INFORMATION ON FINDINGS OF
ATRAZINE IN GROUNDWATER IN WALWORTH COUNTY, WI

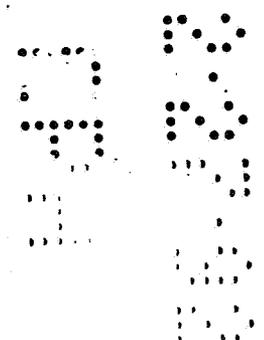
In accordance with the subject letter, attached is additional information pertaining to the finding of atrazine in groundwater in Walworth County, Wisconsin as described in correspondence to you dated November 27, 1991 and January 3, 1992.

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

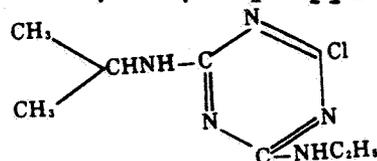
Attachment



1. **CHEMICAL:** Common name(s): atrazine and metolachlor

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

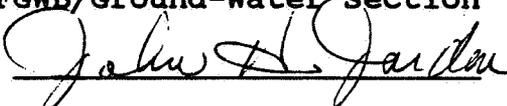
Structure (s):



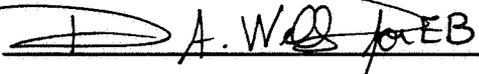
2. **TEST MATERIAL:** N/A

3. **STUDY/ACTION TYPE:** 6(a)2 follow-up Action. The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) is conducting the study. Some detections of atrazine and metolachlor from the study were reported by Ciba-Geigy as 6(a)2 information in this action.

4. **STUDY IDENTIFICATION:** Study not received to date - atrazine, metolachlor residue detections were reported. The title of the study is, "Pesticides Mixing/loading Site Assessment Study" conducted by the Wisconsin Department of Agriculture, Trade & Consumer Protection (DATCP) in Walworth County, Wisconsin. Split water samples were taken by Ciba-Geigy on request of the site owner.

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

Date: 11/25/92

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

Date: 11/25/92

7. **CONCLUSIONS:** The study referenced above in STUDY IDENTIFICATION has been requested from WDATCP-ARM and the data will be incorporated in the Pesticides and Ground-Water Data Base.

8. **RECOMMENDATIONS:** The registrant should continue to report 6(a)2 information so that the Agency can develop a worthwhile data base and also, in cooperation with the states and registrants, monitor pesticide levels in ground water.

9. **BACKGROUND/DISCUSSIONS:** Additional specific information was requested (EFEB # 92-0465 - 10/6/92) to locate/identify and evaluate the reported detections of pesticide residues in ground water. The present Ciba-Geigy submission, in EFGWB # 92-0679, contains none of the information requested and refers EFGWB to the original study director at WDATCP-ARM. The pesticide detections reported by Ciba-Geigy under 6(a)2 were follow-up detections from samples of an original monitoring study conducted by WDATCP-ARM. The study director was Paul Morrison of Wisconsin DATCP-ARM. EFGWB Branch/Ground Water Technology Section has requested the DATCP study for inclusion in the Pesticides and 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 [REDACTED]

LOCATION: COUNTRY [REDACTED] COUNTY [REDACTED] STATE [REDACTED]

SOIL PROPERTIES
SERIES [REDACTED]

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

LOCATION: COUNTRY [REDACTED] COUNTY [REDACTED] STATE [REDACTED]

SOIL PROPERTIES
SERIES [REDACTED]

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

LOCATION: COUNTRY [REDACTED] COUNTY [REDACTED] STATE [REDACTED]

SOIL PROPERTIES
SERIES [REDACTED]

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

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]

