

DP Barcode : D173549
PC Code No. : 080803
EFGWB Out : 10-6-92

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

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

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

Attached, please find the EFGWB review of...

Reg./File # : ID# 283-144

Common Name : ATRAZINE

Product Name : AATREX

Company Name : Ciba-Geigy

Purpose : Acknowledge 6(a)(2) data - ATRAZINE AND degradate in well-wisc.

Type Product : Herbicide

Action Code : 405 [6(a)(2)] EFGWB #(s): 93-0465

Total Review Time = 1/2 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

DP BARCODE: D173549

CASE: 283144
SUBMISSION: S410303

DATA PACKAGE RECORD
BEAN SHEET

DATE: 01/27/92
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: MISCELLANEOUS ACTION: 405 DATA-ADVERSE DATA
CHEMICALS: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylami 0.0000%

ID#: 283144

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: 01/13/92

DUE OUT DATE: 03/23/92

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 173549 EXPEDITE: N DATE SENT: 01/27/92 DATE RET.: / /
CHEMICAL: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylamino)-s-tri
DP TYPE: 001 Submission Related Data Package

ADMIN DUE DATE: 02/21/92

CSF: N

LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	01/29/92	/ /
BRAN: EFGB	/ /	/ /
SECT: GTS	/ /	9/20/92
REVR :	/ /	/ /
CONTR:	/ /	/ /

* * * DATA REVIEW INSTRUCTIONS * * *

Please review attached 6(a)(2) report (MRID# 421663-01) of findings of atrazine in a dealer well in Walworth County, Wisconsin.

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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EF6#: 0465

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283144

CIBA-GEIGY

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

421663- *Q1*

Certified Mail

January 3, 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: REPORT OF CIBA-GEIGY CHEMICALS FOUND IN
GROUND WATER - WALWORTH COUNTY, WISCONSIN

CIBA-GEIGY recently confirmed the presence of atrazine at 3.6 ppb in a dealer well in Walworth County, Wisconsin. Atrazine metabolites were found at levels of 1.6, 4.8 and 6.6 ppb. The dealer has retained a legal consultant to represent him in dealing with the state on remediation measures to be taken.

Sincerely,

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

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TRANSMITTAL DOCUMENTNAME AND ADDRESS OF SUBMITTER

Ciba-Geigy Corp.
P.O. Box 18300
Greensboro, NC 27419-8300

REGULATORY ACTION IN SUPPORT OF WHICH THIS PACKAGE IS SUBMITTED

FIFRA 6(a)(2)

TRANSMITTAL DATE

1/13/92

LIST OF SUBMITTED STUDIES

Letter to Robert Taylor dated 1/3/92 from Karen Stumpf concerning a report of Ciba-Geigy chemicals found in ground water - Walworth County, Wisconsin.

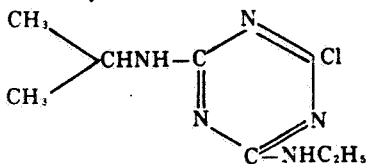
1 pg.

42166301

1. CHEMICAL: Common name(s): atrazine

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

Structure (s):



2. TEST MATERIAL: N/A

3. STUDY/ACTION TYPE: Acknowledge receipt of atrazine and degradate detections from a dealer's well.

4. STUDY IDENTIFICATION: A documentation of atrazine degradate detections in well water samples.

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

Date: 9/30/92

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

Date: 9/30/92

7. CONCLUSIONS: The registrant notified EPA of atrazine and degradates in a dealer's well in Walworth County, Wisconsin. Atrazine was detected at 3.6 ppb; atrazine degradates were detected at 1.6, 4.8, and 6.6 ppb. Remediation measures will be taken. More detailed information is required as specified in the attached form. The information will be included in EPA's Pesticides in Ground Water Database.

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 atrazine and degradate analyses in samples of well water. The level reported for atrazine was above the maximum contaminant level (MCL=3 ppb) which may result in unreasonable adverse effects. Combined residue concentrations substantially exceed the atrazine MCL.

2.

Additional specific information is required to locate/identify and evaluate the reported detections of the atrazine 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.

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 Database.

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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

WELL NUMBER:

WELL USE:

WELL DEPTH

WELL
SCREEN TOP
SCREEN BOTTOM
ALTITUDE
WATER TABLE

WELL LOCATION

LATITUDE
LONGITUDE
CITY
COUNTY
STATE

WELL NUMBER:

WELL USE:

WELL DEPTH

WELL
SCREEN TOP
SCREEN BOTTOM
ALTITUDE
WATER TABLE

WELL LOCATION

LATITUDE
LONGITUDE
CITY
COUNTY
STATE

WELL NUMBER:

WELL USE:

WELL DEPTH

WELL
SCREEN TOP
SCREEN BOTTOM
ALTITUDE
WATER TABLE

WELL LOCATION

LATITUDE
LONGITUDE
CITY
COUNTY
STATE

WELL NUMBER:

WELL USE:

WELL DEPTH

WELL
SCREEN TOP
SCREEN BOTTOM
ALTITUDE
WATER TABLE

WELL LOCATION

LATITUDE
LONGITUDE
CITY
COUNTY
STATE

WELL NUMBER:

WELL USE:

WELL DEPTH

WELL
SCREEN TOP
SCREEN BOTTOM
ALTITUDE
WATER TABLE

WELL LOCATION

LATITUDE
LONGITUDE
CITY
COUNTY
STATE

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

[illegible]