

Review Action

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

Common Name:	atrazine	Trade name:	various ones
Company Name:	Ciba-Geigy		
ID #:	ID# 284143		
Purpose:	Acknowledge receipt of 6(a)2 data and request locations of contaminated wells		

Type Product:	Action Code:	EFGWB #(s):	Review Time:
Herbicide	405	93-0102	1.0 day

STATUS OF DATA REQUIREMENTS ADDRESSED IN THIS PACKAGE:

[illegible][illegible]

**A=Acceptable U=Upgradeable C=Auxiliary I=Invalid.
S=Satisfied P=Partially satisfied N=Not satisfied R=Reserved W=Waived.**

DP BARCODE: D184382

CASE: 284143
SUBMISSION: S428768

DATA PACKAGE RECORD
BEAN SHEET

DATE: 11/06/92
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: MISCELLANEOUS ACTION: 405 6(A)(2) ADVERSE DATA
CHEMICALS: 080803 Atrazine (ANSI)

0.0000%

ID#: 284143

COMPANY:

PRODUCT MANAGER: 25 ROBERT TAYLOR

703-305-6800 ROOM: CM2 241

PM TEAM REVIEWER: WESLEY ALLEN

703-305-5706 ROOM: CM2 251

RECEIVED DATE: 10/19/92 DUE OUT DATE: 12/28/92

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 184382 EXPEDITE: N DATE SENT: 11/06/92 DATE RET.: / /

CHEMICAL: 080803 Atrazine (ANSI)

DP TYPE: 001 Submission Related Data Package

ADMIN DUE DATE: 12/01/92

CSF: N

LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	11/11/92	/ /
BRAN: EFGB	/ /	/ /
SECT: GTS	/ /	/ /
REVR : J920W	6/2/93	6/8/93
CONTR:	/ /	/ /

* * * DATA REVIEW INSTRUCTIONS * * *

please review ground water findings-atrazine-maine

Att. Betty Ball

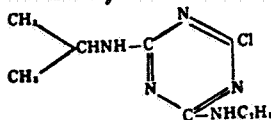
* * * ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION * * *

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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1. CHEMICAL: Common Name: Atrazine, simazine, metolachlor and chlorotriazine metabolites.

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

Structure (s):

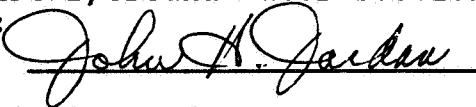


2. TEST MATERIAL: N/A

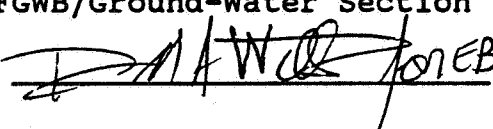
3. STUDY/ACTION TYPE: 6(a)2 Action. January/February 1992 and August, 1992 cooperative monitoring program results of Ciba-Geigy and the Maine Board of Pesticide Control (MBPC).

4. STUDY IDENTIFICATION: Analyses of 58 split water sample analyses resulted in atrazine, simazine, and metolachlor detections below the MCL/HAS. Atrazine, simazine and chlorotriazine metabolites were first reported in January, 1992 by Ciba-Geigy in EFGWB # 92-1220.

Residue Test Report RS-WM-008-92, Report nos. 17, 18, 20, 21, 23, 24, 26, and 27.

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

Date: 6/7/93

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

Date: 6/8/93

7. CONCLUSIONS:

Atrazine residues were detected in 28 of the 58 samples <MCL/HAL of 3 ppb ranging from 0.10 ppb to 1.6 ppb. Simazine residues <MCL/HAL of 4 ppb were detected in 3 samples at levels ranging from 0.25 ppb to 1.3 ppb. Metolachlor residues were detected in 5 samples, <MCL/HAL of 100 ppb, ranging from 0.12 to 0.46 ppb. Chlorotriazine metabolites were found in 29 samples ranging from 0.11 to 1.8 ppb.

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.

The specific location of contaminated wells was neither reported in the January nor the August monitoring data. Detections without the identifying coordinates do not allow the Agency to track contamination of ground water. Please collect the location of wells as the data are reported to you by the state agencies. Also, ask the state agencies for the information requested in the enclosed work sheet for each ground-water study location.

9. BACKGROUND/DISCUSSIONS:

Ciba-Geigy is cooperating with the MBPC in a split water sample analysis project as part of a ground-water monitoring program. Samples were submitted in January/February, 1992 (EFGWB # 92-1220) and again in August, 1992 (EFGWB # 93-0102). Analyses were made in Ciba-Geigy's laboratories from samples taken by the MBPC.

Parent atrazine residues were not detected in 30 of the 58 well samples. Simazine was not detected in 55 of the 58 well samples, and metolachlor residues were not detected in 53 of the 58 well samples. Chlorotriazine metabolite residues were not detected in 29 of the 58 well samples.

Chlorotriazine metabolites:

2-Amino-4-chloro-6-isopropylamino-s-triazine
2-Amino-4-chloro-6-ethylamino-s-triazine
2,4-Diamino-6-chloro-s-triazine

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.

Page ____ is not included in this copy.

Pages 5 through 7 are not included.

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.

X 6(a)(2) DATA

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.

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 (%)		PCT ORGANIC CARBON	
SAND		PCT MOISTURE @15BAR	
SILT		PCT MOISTURE @0.3BAR	
CLAY		BULK DENSITY (g/cm ³)	
HYDRAULIC CONDUCTIVITY		PORE VOLUME (%)	

LOCATION: COUNTRY COUNTY STATE

SOIL PROPERTIES

SERIES

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

LOCATION: COUNTRY COUNTY STATE

SOIL PROPERTIES

SERIES

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

(1)