

US EPA ARCHIVE DOCUMENT

DP Barcode : 181898
 PC Code No. : 080803
 EFGWB Out : 3/19/93

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 #: 283911
 Common Name : Atrazine
 Product Name : AATREX
 Company Name : Ciba-Geigy Corp.
 Purpose : Acknowledge Receipt of 6(a)2 data and Request Additional
 Type Product : Data (Jackson Co. Florida)
 Herbicide
 Action Code : 405 EFGWB #(s): 92-1314 Total Review Time = 1 days
 6(a)2

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: D181898

CASE: 283911
SUBMISSION: S424176

DATA PACKAGE RECORD
BEAN SHEET

DATE: 03/19/93
Page 1 of 1

*** CASE/SUBMISSION INFORMATION ***

CASE TYPE: MISCELLANEOUS ACTION: 405 6(A)(2) ADVERSE DATA 0.0000%
CHEMICALS: 080803 Atrazine (ANSI)

ID#: 283911
COMPANY: CIBA-GEIGY CORP.
PRODUCT MANAGER: 25 ROBERT TAYLOR 703-305-6800 ROOM: CM2 241
PM TEAM REVIEWER: ROOM:
RECEIVED DATE: 08/14/92 DUE OUT DATE: 10/23/92

*** DATA PACKAGE INFORMATION ***

DP BARCODE: 181898 EXPEDITE: N DATE SENT: 08/24/92 DATE RET.: / /
CHEMICAL: 080803 Atrazine (ANSI)
DP TYPE: 001 Submission Related Data Package
ADMIN DUE DATE: 09/18/92 CSF: N LABEL: N
ASSIGNED TO DATE IN DATE OUT
DIV : EFED 08/26/92 / /
BRAN: EFGB 08/26/92 03/19/93
SECT: GTS 08/27/92 03/16/93
REVR : JJORDAN 08/28/92 03/16/93
CONTR: / / / /

*** DATA REVIEW INSTRUCTIONS ***

Attention Betsy Behl:

Please review attached report MRID # 424430-01 which details findings of atrazine metolachlor and prometon in groundwater in Florida.

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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Page _____ is not included in this copy.

Pages 3 through 6 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.

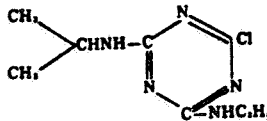
6(a)(2) DATA

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.

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

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 follow-up - atrazine, two metabolites and detections of metolachlor and prometon in Jackson County, Florida private wells. Previous detection of atrazine and 3 metabolites were reported in EFGW Branch Action # 92-0469 on 10-6-92. Split samples were sent to Ciba Geigy by the state of Florida.

4. STUDY IDENTIFICATION: MRID-4244300, Letter from Karen Stumpf to Robert Taylor of 8-10-92 Re: Follow-up to earlier detections in well water under MRID Nos. 42116101 and 42166501 - detections of metolachlor, atrazine, prometon, and chloro-triazine metabolites.

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

Date: 3/16/93

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

Date: 3/16/93

7. CONCLUSIONS: Results of ongoing registrant/state cooperative monitoring show that additional atrazine and also metolachlor and prometon (below the MCLs) have been detected in Jackson County Florida private wells. Atrazine was detected at concentrations ranging from 0.12 ppb to 1.9 ppb, metolachlor from 0.10 to 5.6 ppb, and prometon at the limit of detection (0.10 ppb). Residues of two chloro-triazine metabolites (G-30033 and G-28279) were found in 3 of 29 samples ranging from 0.13 to 0.31 ppb.

8. RECOMMENDATIONS: The registrant 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.

Additional specific information is required to locate/identify and evaluate reported detections of pesticide residues in ground water. 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. Please fill out the attached Study I.D. sheet. The monitoring results will be included in OPP's Pesticides in Ground-Water Data Base.

Monitoring 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. Computer disks must be accompanied by a description of rows (records) and columns (fields).

9. DISCUSSION

We have contacted the state of Florida and to date have not received locations of wells, residue concentrations, number of detections and specific information requested on the attached form. The data are needed for the 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?	_____

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]

GROUND WATER STUDIES - STUDY RESULTS

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

MRID
CAS NUMBER

WELL NUMBER	SAMPLE DATE	MEDIA	CONCENTRATION (ug/L)	LOD (ug/L)	CONTAM SOURCE