

DP Barcode : D173525
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
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 # : ID # 283170

Common Name : ATRAZINE

Product Name : AATREX

Company Name : Giba Geigy

Purpose : Acknowledge additional 60/2 follow-up data - Jackson Co. Florida

Type Product : Herbicide

Action Code : 405[60/2] EFGWB #(s): 92-0469 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: D173525

CASE: 283170
SUBMISSION: S410265

DATA PACKAGE RECORD
BEAN SHEET

DATE: 01/24/92
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#: 283170

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: 173525 EXPEDITE: N DATE SENT: 01/24/92 DATE RET.: / /
CHEMICAL: 080803 Atrazine (2-chloro-4-(ethylamino)-6-(isopropylamino)-s-tri

DP TYPE: 001 Submission Related Data Package

ADMIN DUE DATE: 02/18/92

CSF: N

LABEL: N

ASSIGNED TO DATE IN DATE OUT

DIV : EFED

BRAN: EFGB

SECT: GTS

REVR :

CONTR:

* * * DATA REVIEW INSTRUCTIONS * * *

Please review attached 6(a)(2) report (MRID# 421665-01) of findings of atrazine in wells in Jackson County, FL. This is a followup to earlier 6(a)(2) submission dated November 27, (MRID# 421161-01) which reported results of split sampling done earlier in June and July.

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

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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EF# : 0469

Page _____ is not included in this copy.

Pages 3 through 5 are not included.

The material not included contains the following type of information:

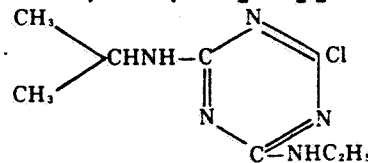
- ☐ Identity of product inert ingredients.
- ☐ Identity of product impurities.
- ☐ Description of the product manufacturing process.
- ☐ Description of quality control procedures.
- ☐ Identity of the source of product ingredients.
- ☐ Sales or other commercial/financial information.
- ☐ A draft product 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.

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

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 follow-up report for atrazine and degradate residues in Jackson County, Florida wells.

4. STUDY IDENTIFICATION: "MRID - report # 421665-01 of Ciba-Geigy Chemicals Found in Ground Water - Jackson Co., Florida", from October 1991 sampling. This is a follow-up to an earlier 6(a)2 submission dated 11/27/91 (MRID# 421161-01) which reports results of sampling in June and July 1991 (letter from Karen Stumpf to Robert J. Taylor; January 3, 1992).

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

Date: 9/30/92

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

Date: 9/30/92

7. CONCLUSIONS:

Twenty-three ground-water samples were analyzed for atrazine and three metabolites. Six samples (26%) contained atrazine residues ranging from 0.1 - 1.8 ppb. The other seventeen samples contained no detectable atrazine residues using a detection limit of 0.1 ppb. Analyses were also done for three metabolites (G-30033, G28273, and G28279); residues of G-30033 ranged from 0.12 to 0.30 ppb in 5 samples. No residues of G-28279 or G-28273 were detected in any of the samples. None of the atrazine residues in these ground-water samples exceeded the 3 ppb MCL. No MCL has been established for the degradates.

8. RECOMMENDATIONS: The registrant should continue to report results of cooperative monitoring for atrazine and metabolites in Jackson County, Florida. The registrant should fill out the attached 6(a)2 data work sheet and submit the information to the Agency.

9. BACKGROUND/DISCUSSIONS: Please refer to Summary - 6(A)2 Reporting of atrazine - ground water, Florida. Ground-water samples from wells in Jackson County, Florida have been analyzed for atrazine and atrazine metabolites since June 1991. Analyses are being done under a cooperative agreement between Ciba-Geigy and the Florida Department of Agriculture and Consumer Services.

2.

Other monitoring data collected in this study were submitted to OPP/GWTS and reviewed in EFGWB # 92-0322. The earlier submission reported determination of atrazine in 6 of 36 wells at concentrations ranging from 0.1 - 2.2 ppb. Two chlorotriazine metabolites were detected in 5 of 36 wells at concentrations of 0.12 - 0.28 ppb; the data reviewed in this submission are the results of follow-up sampling in October 1992 - approximately 4 - 5 months later.

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
MINERALOGY
USDA TEXTURE
TEXTURE (%) SAND
 SILT
 CLAY
HYDRAULIC CONDUCTIVITY

pH
CEC (meq/100g)
PCT ORGANIC MATTER
PCT ORGANIC CARBON
PCT MOISTURE @15BAR
PCT MOISTURE @0.3BAR
BULK DENSITY (g/cm³)
PORE VOLUME (%)

LOCATION: COUNTRY _____ COUNTY _____ STATE _____

SOIL PROPERTIES

SERIES

HYDROLOGIC GROUP
MINERALOGY
USDA TEXTURE
TEXTURE (%) SAND
 SILT
 CLAY
HYDRAULIC CONDUCTIVITY

pH
CEC (meq/100g)
PCT ORGANIC MATTER
PCT ORGANIC CARBON
PCT MOISTURE @15BAR
PCT MOISTURE @0.3BAR
BULK DENSITY (g/cm³)
PORE VOLUME (%)

LOCATION: COUNTRY _____ COUNTY _____ STATE _____

SOIL PROPERTIES

SERIES

HYDROLOGIC GROUP
MINERALOGY
USDA TEXTURE
TEXTURE (%) SAND
 SILT
 CLAY
HYDRAULIC CONDUCTIVITY

pH
CEC (meq/100g)
PCT ORGANIC MATTER
PCT ORGANIC CARBON
PCT MOISTURE @15BAR
PCT MOISTURE @0.3BAR
BULK DENSITY(g/cm³)
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

ENVIRONMENTAL FATE DATA EXTRACTION SHEET

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

MRID

CAS NUMBER

[illegible]