

US EPA ARCHIVE DOCUMENT

DP Barcode : 189539
 PC Code No. : 080803
 EFGWB Out : 5/13/93

TO: Robert Taylor
 Product Manager # 25
 Registration Division (H7505C)

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

THRU: Henry Jacoby, Chief *Henry Jacoby 5/12/93*
 Environmental Fate & Ground Water Branch/EFED (H7507C)

Attached, please find the EFGWB review of...

Reg./File # : ID#: 284533

Common Name : ATRAZINE

Product Name : AATREX

Company Name : Ciba-Geigy

Purpose : To Acknowledge Receipt of Specific Residue Data And
 Request Well Location/Identification

Type Product : Herbicide

Action Code : 405 6(a)2 EFGWB #(s): 93-0535 Total Review Time = 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: D189539

CASE: 284533
SUBMISSION: S437579

DATA PACKAGE RECORD
BEAN SHEET

DATE: 05/12/93
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

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

ID#: 284533

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: 03/24/93 DUE OUT DATE: 06/02/93

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 189539 EXPEDITE: N DATE SENT: 03/24/93 DATE RET.: / /

CHEMICAL: 080803 Atrazine (ANSI)

DP TYPE: 001 Submission Related Data Package

ADMIN DUE DATE: 04/18/93 CSF: N LABEL: N

| ASSIGNED TO | DATE IN | DATE OUT |
|----------------|----------|----------|
| DIV : EFED | 03/25/93 | / / |
| BRAN: EFGB | 03/29/93 | 05/12/93 |
| SECT: GTS | 03/29/93 | 05/12/93 |
| REVR : JJORDAN | 05/04/93 | 05/07/93 |
| CONTR: | / / | / / |

* * * DATA REVIEW INSTRUCTIONS * * *

PL;EASE REVIEW GROUND WATER DETECTION TEXAS
A`TT BETSY BHEL

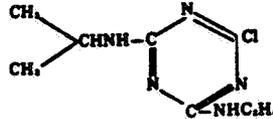
* * * ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION * * *

| DP BC | BRANCH/SECTION | DATE OUT | DUE BACK | INS | CSF | LABEL |
|-------|----------------|----------|----------|-----|-----|-------|
|-------|----------------|----------|----------|-----|-----|-------|

1. **CHEMICAL:** Common name(s): Prometon, atrazine, simazine and chloro-triazazine metabolites.

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

Structure (s):



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

3. **STUDY/ACTION TYPE:** 6(a)2 Action. This action, EFGWB # 93-0535, has the actual residue data referred to in a previous action EFGWB # 92-0819. The previous action quoted only the residue ranges.

This action acknowledges receipt of the specific residue data detections obtained from the resampling of 9 wells in Texas known to have prometon residue from a previous survey, and also, 11 samples in California all of which contained simazine.

4. **STUDY IDENTIFICATION:** Letter of 3/3/93 from Ciba-Geigy to R.J. Taylor addressing residue detections in Texas and California ground water. The monitoring data were sent by the registrant in the reports listed below:

Ciba-Geigy residue test report RS-WM-003-92, Report Nos. 1, 2, and 3, and Residue Test Report RS-WM-020-91, Report Nos. 01, 02, 04 and 05.

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

Date: 5/7/93

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

Date: 5/12/93

7. **CONCLUSIONS:** A previous EFGWB 6(a)2 action, # 92-0819, referred to specific monitoring data but gave only residue concentration ranges. The ranges are repeated in paragraphs 2 and 3 on page 2 of this action (EFGWB # 93-0535). This action contains the actual detections in copies of the original reports, above, under Study Identification. The data will be included in OPP's Pesticides in Ground-Water Data Base.

Paragraphs Taken from Previous Action - # 92-0814

In Texas, parent prometon residues were found in 8 of the 9 samples at levels below the current MCL of 100 ppb, ranging from 0.15 ppb to 5.5 ppb. Parent atrazine residues were found in two of the 9 samples at levels, below the current MCL of 3 ppb, ranging from 0.16 ppb to 0.69 ppb. Parent simazine residues were found in 1 of the 9 samples at 0.17 ppb, which is below the current MCL of 4 ppb. Residues of two chloro-triazine metabolites were found in 5 of 9 samples ranging from 0.10 ppb to 0.22 ppb; metabolites were: 2-amino-4-chloro-6-isopropylamino-s-triazine and 2-amino-4-chloro-6-ethylamino-s-triazine.

In California, parent atrazine residues were found in all 11 samples at levels below the MCL/HAL ranging from 0.14 ppb to 0.97 ppb. Parent simazine residues were found in all 11 samples below the MCL/HAL, ranging from 0.30 ppb to 0.85 ppb.

8. RECOMMENDATIONS: Ciba-Geigy should continue to send monitoring reports for inclusion in the Pesticides in Ground-Water Data Base. Location of the wells is unknown because the registrant did not obtain well identification/location information. The registrant should ask the Texas Department of Agriculture and Bookman-Edmonston Engineering for well location/identification information, because the residue detections without the specific well locations are of much less value in preventing/mitigating ground-water contamination.

The registrant should complete the attached work-sheet in as much detail as possible when 6(a)2 data are submitted to EFGWB.

9. BACKGROUND/DISCUSSIONS: Ciba-Geigy has been cooperating with the Texas Department of Agriculture. The Texas Department of Agriculture re-sampled nine wells known to contain prometon residues from a previous survey. Well samples were collected from North Central Texas in January, 1992 and submitted to Ciba-Geigy for analyses.

Also, Ciba-Geigy has been cooperating with Bookman-Edmonston Engineering in Glendale, California in a split sample analysis program. Well water samples were collected in December, 1991 and submitted to Ciba-Geigy for analysis.

Page _____ is not included in this copy.

Pages 5 through 26 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.
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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.
