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 #: 283184

Common Name: atrazine

Product Name: AATREX

Company Name: Ciba-Geigy

Purpose: Acknowledge Receipt of Detections in Wells & Request Additional Information.

Type Product: Herbicide

Action Code: 405  
EFGWB # (s): 92-0463  
Total Review Time = 1/4 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
CASE: 283148  BEAN SHEET  DATE: 01/24/92
SUBMISSION: S410262

* * * CASE/SUBMISSION INFORMATION * * *

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

ID#: 283148
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: 173517 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 01/29/92 / /
BRAN: EFG8 / / 06/25/92
SECT: GTS / / 06/25/92
REVR : / / / /
CONTR: / / / /

* * * DATA REVIEW INSTRUCTIONS * * *

Please review attached 6(a)(2) report (MRID# 421666-01) of findings of atrazine in groundwater monitored by the Wisconsin DATCP.

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

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

EG #: D463
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 pesticide residue detections in wells and request additional information.


5. REVIEWED BY: John H. Jordan, Ph.D.
    OPP/EFED/EFGWB/Ground-Water Section
    Signature: [Signature] Date: 6/22/92

6. APPROVED BY: Elizabeth Behl, Head
    OPP/EFED/EFGWB/Ground-Water Section
    Signature: [Signature] Date: 6/22/92

7. CONCLUSIONS:
   Ciba-Geigy reported detections of parent atrazine above the 3 ppb MCL/HAL in 16 of 238 Wisconsin well-water samples. Concentrations ranged from 3.5 to 16 ppb; the average parent residue in the 16 samples was 6.9 ppb. The remaining 222 samples contained from <0.10 to 2.9 ppb atrazine. Detectible residues of three metabolites, 2-amino-4-chloro-6-isopropylamino-s-triazine, 2-amino-4-chloro-6-ethylamine-s-triazine, and 2,4-Diamino-6-chloro-s-triazine in 214 of the 238 samples ranged from 0.1-9.9 ppb; no MCL/HAL has been established for the metabolites.

8. RECOMMENDATIONS: Ciba-Geigy should complete the final report documenting the Wisconsin detections of atrazine and its metabolites as soon as possible and submit the report to the Agency.

9. BACKGROUND/DISCUSSIONS: In 1990, Ciba-Geigy cooperated with the Wisconsin State Department of Agriculture, Trade and Consumer Protection in a rural well survey of atrazine and chloro-triazine metabolites. Samples from twenty-two hundred (2200) wells in vulnerable areas were screened by immunoassay at the level of 0.10 ppb. Wells containing 0.35 ppb atrazine, or above, were sampled again and analyzed by GC/MS at Ciba-Geigy's laboratory.
Ciba-Geigy is completing the final atrazine/metabolites report and indicated that a copy would be sent to the Agency within approximately one month from the date of this action. This action (EFGWB # 92-0463) is an interim report; another action will be written when the final report is received from Ciba-Geigy.
Page five is not included in this copy.
Pages 5 through 62 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.